

ISUZU COMMERCIAL TRUCK OF AMERICA

WARRANTY LABOR TIME GUIDE

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COMMERCIAL VEHICLE FLAT RATE MANUAL FOREWORD

This Foreword section provides essential information for the proper and accurate use of the Isuzu Commercial Medium Duty Labor Time Guide. (Medium Duty Vehicles including GM-W Series)

Publication Format

This publication provided in an Adobe PDF file format and is accessed using Adobe Reader 8 available from Adobe Systems. For a free download, visit the Adobe site at <http://www.adobe.com>.

The Labor Time Guide consists of individual PDF files (Chapters or Sections) allowing easy word searches. (See "Searching the Labor Time Guide" section for instructions on searching)

PAGE FORMAT

Reading from left to right are the "Operation Descriptions" followed by the "Operation Numbers". On the right hand side of the page is an area designating the vehicles by model with their corresponding times.

LABOR TIME ALLOWANCES

The "LABOR TIME ALLOWANCES" published have been developed and provided by the manufacturer. They were established using standard production models. Standard technicians' hand tools, dealer essential and available tools are used in performing the labor time studies. No power operated tools are used for labor time study development. Procedures outlined in the Service Manuals, Service Publications and good shop practices are used when developing the times for the Labor Time Guide.

The established labor times include the actual time required to perform the operation plus an additional allowance for operating variables and diagnostics. Established labor times do not include time to remove and replace components other than manufacturer options and accessories.

"NEXT TO" OPERATION

The Labor Time Guide is not intended to list all possible Labor Operations, because to place all such data in the Guide would make it difficult to use. Therefore, two situations may occur when performing a repair, 1) no labor operation

number or operation description is listed for the repair performed; and/or 2) a hyphen appears in the labor time column for a specific model. When a hyphen appears for a specific operation number, it **CANNOT** be used to apply for warranty compensation, even if the vehicle is equipped with the component. In both instances, (1 and 2), it will be necessary to use a "NEXT TO" operation for warranty claim submissions.

Selection of a "NEXT TO" labor operation should be from a labor operation **valid** to the model and is as close to the actual labor performed with less than or equal to labor time. Warranty compensation for repairs where the **"NEXT TO"** labor time is less than the actual time for the repair will require obtaining an authorization for "additional labor" from your District Service & Parts Manager.

GLOSSARY OF TERMS

Operation Descriptions

Each labor "OPERATION DESCRIPTION" identifies the repair that is allowable on the component.

Add Conditions

Additional time allowances, which may be required for performing an Operation, or supplement an Operation, are included in the "ADD" sections under the operation description. Each "ADD" is preceded by a letter designation which should be placed on the shop repair order under the Operation Number if the "ADD" is performed.

Exchange

The word "EXCHANGE" is used when the component is involved in a vendor exchange program, i.e. radios.

Replace

The word "REPLACE" is used when the part or assembly is subject to replacement only.

R&R

"R & R" indicates that the part or assembly is repairable and can be removed, repaired, and reinstalled. This can be a labor only operation.

REPAIR ALIGN ADJUST TIGHTEN

The above or preceding descriptions indicate the type of work (repair) to be performed. These can also be labor only operations.

R & R or Replace

The "R&R OR REPLACE" notation indicates the part or assembly can be repaired, aligned, or adjusted on the vehicle or removed, repaired, and/or reinstalled or replaced, depending on the extent of failure. This can be a labor only operation when no part or assembly is required.

Recondition

When "RECONDITION" is used, an assembly is removed from the vehicle, disassembled, cleaned, inspected, reconditioned with same or new parts, reinstalled and adjusted. When this term is used in an "ADD" Operation, it does not include Remove and Reinstall, but only that work necessary to recondition an assembly once it is removed from the vehicle.

Includes

The "INCLUDES" which follows some of the descriptions are "highlights" provided to assist in knowing whether or not certain items or functions are included within the operation. These **are not all encompassing** because to place all such data in the Guide would make it difficult to use. If there are any questions as to whether something is included or not, the Request to Review form may be used to question or recommend changes.

Notes

Throughout this Labor Time Guide, various "NOTES" will be inserted to assist in the use of the Guide.

Policy Codes

The "POLICY CODES" applicable to any labor operation(s) are noted under the major operation description. Each letter indicates a policy as it applies to an Operation. Some operations may have multiple policy codes. Policy Codes and Descriptions used are:

- A - Requires Authorization
- C – Eligible Labor Operations for Certified Engine Repair Dealers (IECSC)
- E - Emission Related Operation
- K - Engine and Drivetrain Warranties
- S - Sublet

The "E" indicators designate labor operations that do not require authorization (unless accompanied by an "A" indicator) when performed within the applicable Emissions warranty period.

Those Engine and Power train repairs identified with "K" may be covered beyond the basic New Vehicle Warranty. This includes instances where an Engine may have a warranty beyond the Basic Warranty for the Vehicle.

Diagnosis/Additional Labor Time "Repair diagnosis" time is included in most labor time operations. In some instances additional diagnosis time is allowed and identified by a note below the Labor Operation description.. Your DSPM should be contacted for assistance in circumstances requiring extensive diagnosis. It is reasonable to assume that "Additional Labor Time" may be required when unusual conditions are encountered. Warranty compensation for extensive diagnosis/additional time requires that the claim meet punch time procedures and be approved by the DSPM.

3 C's, Additional Hours and Autho Comment Requirements.

The Complaint, Cause and Correction are required comments for warranty claims. Comments are also required for "Additional Hours" . "Other" comments are required for all claims submitted with an "Autho" code.

Request For Review

Questions and/or suggestions regarding labor operations or labor time allowances in the Labor Time Guide must be submitted on a "Requests for Review" form.

Dealership personnel are encouraged to complete the "Request for Review" form. A properly completed form will provide Isuzu the detailed information, which identifies the technician's difficulties in performing a labor operation within the published labor time allowances.

Completing the Request For Review

When completing this form, it is important that all vehicle identification data affecting or influencing the operation in question be provided.

Your request for review must include a (detailed step by step) description of your labor procedure in the space provided. This will allow Isuzu to both understand your concern and potential cause(s) for the variance between your actual time and the published labor time.

Upon completion of the "Request for Review" form, the District Service & Parts Manager must review the Request with both the dealership Service Manager and Technician. Following this review, the DSPM will forward the review form to the warranty LTG department for review and resolution.

ABBREVIATIONS

	Description
A/C	Air Conditioning
ADJ	Adjust
ASSY	Assembly
AUTO	Automatic
CONT'D	Continued
CYL	Cylinder
D & C	Disconnect and Connect
DIFF	Differential
EVAC	Evacuate
EXC	Except
INC	Includes
IP	Instrument Panel
MAN	Manual
MPI	Multi-Port Injection
NEC	Necessary
OHC	Overhead cam
PIB	Power Brake
PCV	Positive Crankcase Ventilation
PIS	Power Steering
R & R	Remove & Reinstall
TBI	Throttle Body Injection
TRANS	Transmission
U-JOINT	Universal Joint
VIN	Vehicle Identification Number
Wi	With
W/B	Wheel Base
W/O	Without

PAINT

NOTE: All warrantable paint and/or perforation repairs require prior authorization.

The labor time allowances provided in the Paint Sections include time for cleaning, preparing, and finishing the particular area involved. The letters below each Labor Time is the "Material Indicator". This indicator represents the amount of mixed paint reduced to spraying consistency as well as additional supplies needed such as sandpaper, masking tape, paper, primer, surface fillers, etc. needed for each paint operation.

Spot/Partial Panel Repair

"SPOT REPAIR" applies to paint repair of an area (up to 150 sq. in.) that may result in the undercoat being disturbed or removed during the sanding operation, possibly resulting in exposure of bare metal. These repair operations may require sanding, cleaning of contaminants (oil, wax, silicone, etc.) masking and priming as necessary, sanding primer, sealing, applying color, clear coat and buff polish when dry.

Color Coat

"COLOR COAT" applies to paint repair operations that do not require the use of primer but merely involve removing wax by wiping the surface with a solvent, sanding the original color coat, masking the area as necessary, applying color coat and buff polish when dry. Color coat operations should be used when correcting conditions such as thin paint, off color, rub through or surface scratches.

Paint Refinish

"PAINT REFINISH" applies to paint repair of a panel or specified section of a panel when paint damage is of such a nature that the undercoat is disturbed or removed during the sanding operation, usually resulting in the exposure of several bare metal areas. Paint refinish operations require sanding, cleaning panel of contaminants (oil, wax, silicone, etc.) masking the area as necessary, priming, filling when necessary, sanding primer, sealing, applying color and buff polish when dry. Paint refinish operations would be used when correcting any conditions extending into or through the paint undercoats.

The refinish labor time allowance includes time to spot prime up to 50% of the panel or panels involved. Removal of more than 50% of the complete finish from a panel is considered stripping. In these unusual cases, where stripping is required, an additional time and material allowance (equal to 25% of the existing refinish time and material allowance) must be included in the authorization as additional labor. Additional labor must appear in the other hours column of the Warranty Claim Document. Additional materials are summed and entered in the N-P-N Items Column of the Warranty Claim Document.

TROUBLE CODE	DESCRIPTION
00	RDRPDI
01	BROKEN
02	BROKEN WELD
03	STRIPPED
04	TORN OR PUNCTURED
05	CRACKED
06	WORN
07	SCORED OR SCRATCHED
08	POOR METAL FINISH
09	CHIPPED
10	SOILED OR STAINED
11	BENT
12	FOREIGN MATERIAL
13	OVERHEATED
14	BURNED
15	SEIZED
16	PAINT-DIRT OR FOREIGN MATRL
17	PAINT-DRY SPRAY, MOTTLING SAGS
18	PAINT-FILM MARRED OR SCRATCHED
19	PAINT - THIN OR RUBBED THROUGH
20	PAINT - CORROSION, CRAZING/CRKNG
21	PAINT - POOR REPAIR
22	PAINT - FILM SPOTTED
23	PAINT - FINISH COMES OFF
24	CHROME PLATING DEFECTIVE
25	MISALIGNED
26	MIS'ADJUSTED
27	LOOSE
29	PART OMITTED
30	POROSITY
31	POOR MACHINING
32	GLASS - POOR VISION
33	WEAK
34	OUT OF BALANCE

TROUBLE CODE	DESCRIPTION
35	OUT OF ROUND
36	VIBRATES
37	POOR ENGAGEMENT
38	DOES NOT SEAT
39	GRABS
40	NOISY
41	CHATTERS
42	LEAKS
43	SHIFTS HARD
44	SLIPS OUT OF GEAR
45	WIND NOISE
46	FLOODS
47	HESITATES
48	DISCOLORED
49	PITTED
50	ELECTRICAL FAILURES
51	NOT CONNECTED
52	BINDS, STICKS
53	NOT DRILLED
54	WRONG PART
55	POOR FIT
56	INOPERATIVE
57	REGISTERS INCORRECTLY

Using the Labor Time Guide

The Labor Time document package of PDF files organized into chapters that cover the various warranty categories such as engines, transmissions, brakes, etc. Users familiar with Adobe Reader should find it easy to move around the file. Below are a few tips that might help when viewing and search the PDF files.

1. Click on the view buttons in the lower menu bar. Use the left view to see each chapter file and select the desired topic.
2. Use the left and right buttons in the center of the lower tool bar to scroll through the various chapters.

Searching

Using the Binoculars search symbol located in the center tool bar allows the user to define the search criteria. If the Binocular Symbol isn't visible, enable this option in the Toolbars option by selecting "More Tools" to add it to the Toolbar. Using this method will allow the user search the current file or all files. Selecting "In selected PDF documents" will return all occurrences of the search word found in the current chapter. Selecting "in the current PDF document will return the first occurrence of the search word.

A second method of searching is to use the "Find" box in center tool bar. This search will return the first occurrence of the search word in the current document, but will also allow the user to "find next".

Printing

The Labor Time Guide documents can be printed individually or as a complete document.

Isuzu Commercial Truck of America
(Isuzu)

Isuzu Request for Flat Rate Time Review

Dealership _____ Dealer Code _____
Address _____
Date _____ Submitted by _____

Review is requested because:

- Operation Not Listed Operation Description Incorrect
 Not Enough Time Allowed Additional Work is Required
 Other _____

Model Affected _____

Operation Description _____

Operation Number _____

How much time does it take your Technician to perform this repair?

Hours _____ VIN _____ Tech ID # _____

Describe the repair process:

Isuzu Use Only

List here any accessories that may impact repair time

**This form must be reviewed with your DSPM
who will forward it to the National Warranty
Department for review and resolution**

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PAINT EXTERIOR									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR	
BUMPER, FRONT									
POLICY: A									
COLOR COAT	A0020	.6 PC	.6 PC	.6 PC	.6 PC	.9 PE	.9 PE	1.7 GK	
REFINISH	A0030	.8 PC	.8 PC	.8 PC	.8 PC	1.1 PF	1.1 PF	2.5 GO	
VALANCE, FRONT BUMPER									
POLICY: A									
COLOR COAT	A0040	-	-	-	-	.7 PB	.7 PB	-	
REFINISH	A0050	-	-	-	-	.8 PB	.8 PB	-	
PANEL, FRONT END									
POLICY: A									
SPOT/PARTIAL REPAIR	A0139	.5 PC	.5 PC	.5 PC	.5 PC	.5 PC	.5 PC	-	
COLOR COAT									
UPPER RIGHT CORNER	A0142	.3 PA	.3 PA	.3 PA	.3 PA	-	-	-	
UPPER LEFT CORNER	A0143	.3 PA	.3 PA	.3 PA	.3 PA	-	-	-	
LOWER RIGHT CORNER	A0144	.4 PA	.4 PA	.4 PA	.4 PA	-	-	-	
LOWER LEFT CORNER	A0145	.4 PA	.4 PA	.4 PA	.4 PA	-	-	-	
CENTER	A0147	.9 PE	.9 PE	.9 PE	.9 PE	2.3 PI	2.3 PI	-	
REFINISH									
UPPER RIGHT CORNER	A0152	.3 PA	.3 PA	.3 PA	.3 PA	-	-	-	
UPPER LEFT CORNER	A0153	.3 PA	.3 PA	.3 PA	.3 PA	-	-	-	
LOWER RIGHT CORNER	A0154	.4 PA	.4 PA	.4 PA	.4 PA	-	-	-	
LOWER LEFT CORNER	A0155	.4 PA	.4 PA	.4 PA	.4 PA	-	-	-	
CENTER	A0157	1.1 PH	1.1 PH	1.1 PH	1.1 PH	2.5 PN	2.5 PN	-	

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PAINT EXTERIOR								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
GRILLE								
POLICY: A								
INC: R&R grille, emblem and headlight bezels.								
COLOR COAT	A0260	1.1 PC	1.1 PC	1.1 PC	1.1 PC	.7 PB	.7 PB	1.3 GG
REFINISH	A0270	- -	-	-	-	.8 PB	.8 PB	1.6 GI
HOOD - COLOR/CLEAR COAT (SIDE PANEL								
SIDE PANEL - RIGHT	A0360	-	-	-	-	-	-	4.2 GT
SIDE PANEL - LEFT	A0361	-	-	-	-	-	-	4.0 GU
CENTER PANEL	A0366	-	-	-	-	-	-	2.2 GK
FRONT	A0368	-	-	-	-	-	-	1.7 GE
HOOD - REFINISH/CLEAR COAT								
SIDE PANEL - RIGHT	A0370	-	-	-	-	-	-	5.0 HA
SIDE PANEL - LEFT	A0371	-	-	-	-	-	-	4.8 HB
CENTER PANEL	A0376	-	-	-	-	-	-	2.8 GN
FRONT	A0378	-	-	-	-	-	-	2.1 GG
EXTENSION, FRONT FENDER - COLOR/CLEAR COAT								
RIGHT	A0500	-	-	-	-	-	-	1.0 GF
LEFT	A0501	-	-	-	-	-	-	1.0 GF
EXTENSION, FRONT FENDER - REFINISH/CLEAR COAT								
RIGHT	A0510	-	-	-	-	-	-	1.2 GH
LEFT	A0511	-	-	-	-	-	-	1.2 GH
FENDER, FRONT (COMPLETE)								
POLICY: A								
SPOTIPARTIAL REPAIR RIGHT	A0679	-	-	-	-	.5 PC	.5 PC	-
LEFT	A0689	-	-	-	-	.5 PC	.5 PC	-
COLOR COAT RIGHT	A0680	-	-	-	-	.7 PC	.7 PC	-
LEFT	A0681	-	-	-	-	.7 PC	.7 PC	-
REFINISH RIGHT	A0690	-	-	-	-	.9 PF	.9 PF	-
LEFT	A0691	-	-	-	-	.9 PF	.9 PF	-

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PAINT EXTERIOR									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR HD	FRR 0	FSR FTR FVR	HTR HVR HXR	
ROOF POLICY: A									
SPOT/PARTIAL REPAIR	A0879	.5 PC	.5 PC	.5 PC	.5 PC	.5 PC	.5 PC	- -	- -
COLOR COAT	A0880	1.2 PK	1.2 PK	1.2 PK	1.2 PK	1. PH	1. PH	1. PH	1. PH
4 DOOR		-	-	-	-	-	-	-	3.8 GZ
REFINISH	A0890	1.5 PP	1.5 PP	1.5 PP	1.5 PP	1.3 PK	1.3 GE	1.3 GE	1.3 GE
4DOOR		-	-	-	-	-	-	-	4.8 HH
ROCKER - COLOR/CLEAR COAT									
4 DOOR									
RIGHT	A1040	-	-	-	-	-	-	-	1.0 GE
LEFT	A1041	-	-	-	-	-	-	-	1.0 GE
ROCKER REFINISH/CLEAR COAT									
4 DOOR									
RIGHT	A1050	-	-	-	-	-	-	-	1.5 GG
LEFT	A1051	-	-	-	-	-	-	-	1.5 GG
BOAR, RUNNING - COLOR/CLEAR COAT									
4 DOOR									
RIGHT	A1060	-	-	-	-	-	-	-	1.7 GL
LEFT	A1061	-	-	-	-	-	-	-	1.7 GL
BOARD, RUNNING - REFINISH/CLEAR COAT									
4 DOOR									
RIGHT	A1070	-	-	-	-	-	-	-	2.1 GP
LEFT	A1071	-	-	-	-	-	-	-	2.1 GP
FRAME, FRONT DOOR WINDOW - COLOR/CLEAR COAT									
RIGHT	A1100	-	-	-	-	-	-	-	0.9 GE
LEFT	A1101	-	-	-	-	-	-	-	0.9 GE
FRAME, FRONT DOOR WINDOW - REFINISH/CLEAR COAT									
RIGHT	A1110	-	-	-	-	-	-	-	1.3 GF
LEFT	A1111	-	-	-	-	-	-	-	1.3 GF
DOOR, FRONT (BELOW BREAK LINE) - COLOR/CLEAR COAT									
RIGHT	A1214	-	-	-	-	-	-	-	2 GI
LEFT	A1215	-	-	-	-	-	-	-	2
DOOR, FRONT (BELOW BREAK LINE) - REFINISH/CLEAR COAT									
RIGHT	A1216	-	-	-	-	-	-	-	2.5 GL
LEFT	A1217	-	-	-	-	-	-	-	2.5 GL

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PAINT EXTERIOR									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR	
DOOR, FRONT									
POLICY: A									
INC: Door window frame, R&R mirror.									
SPOT/PARTIAL REPAIR									
RIGHT	A1219	0.5	0.5	.5	.5	0.5	0.5	-	
		PC	PC	PC	PC	PC	PC	-	
LEFT	A1229	.5	.5	0.5	.5	0.5	0.5	-	
		PC	PC	PC	PC	PC	PC	-	
COLOR COAT									
RIGHT	A1220	0.7	0.7	0.7		1.2	1.2	2	
		PG	PG	PG	PG	PE	PE	GJ	
LEFT	A1221	.7	.7	.7		1.2	1.2	2	
		PG	PG	PG	PG	PE	PE	GJ	
REFINISH									
RIGHT	A1230	1.4	1.4	1.4	1.4	1.4	1.4	2.6	
		PH	PH	PH	PH	PF	PF	GM	
LEFT	A1231	1.4	1.4	1.4	1.4	1.4	1.4	2.6	
		PH	PH	PH	PH	PF	PF	GM	
PANEL, CAB SIDE									
POLICY: A									
SPOT/PARTIAL REPAIR									
RIGHT	A1299	.5	.5	.5	.5	.5	.5	-	
		PC	PC	PC	PC	PC	PC	-	
LEFT	A1309	.5	.5	.5	.5	.5	.5	-	
		PC	PC	PC	PC	PC	PC	-	
COLOR COAT									
RIGHT	A1300	.7	.7	.7	.7	.8	.8	.7	
		PB	PB	PB	PB	PF	PF	GE	
LEFT	A1301	.7	.7	.7	.7	.8	.8	.7	
		PB	PB	PB	PB	PF	PF	GE	
REFINISH									
RIGHT	A1310	.8	.8	.8	.8	1.1	1.1	1.0	
		PC	PC	PC	PC	PF	PF	GF	
LEFT	A1311	.8	.8	.8	.8	1.1	1.1	1.0	
		PC	PC	PC	PC	PF	PF	GF	
PANEL, CAB BACK									
POLICY: A									
Inc. Side panel rear of door.									
SPOT/PARTIAL REPAIR									
	A1359	.5	.5	.5	.5	.5	.5	-	
		PC	PC	PC	PC	PC	PC	-	
COLOR COAT									
	A1360	1.2	1.2	1.2	1.2	1.7	1.7	2.8	
		PH	PH	PH	PH	PH	PH	GN	
REFINISH									
	A1370	1.4	1.4	1.4	1.4	2.0	2.0	3.4	
		PK	PK	PK	PK	PK	PK	GR	
FRAME, REAR DOOR WINDOW									
COLOR COAT									
4DOOR									
RIGHT	A1400					0.5	0.5	1.1	
						GD	GD	GE	
LEFT	A1401	-	-			0.5	0.5	1.1	
		-	-			GD	GD	GE	
REFINISH									
4DOOR									
RIGHT	A1410	-	-			0.6	0.6	1.4	
		-	-			GE	GE	GG	
LEFT	A1411	-	-			0.6	0.6	1.4	
		-	-			GE	IGE	GG	

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PAINT EXTERIOR										
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR		
DOOR, REAR (BELOW BREAK LINE) <div style="text-align: right; padding-right: 20px;"> COLOR/CLEAR COAT 4DOOR RIGHT LEFT REFINISH/COLOR COAT 4DOOR RIGHT LEFT </div>	A1514	-	-	-	-	-	-	-	2.0 GI	
	A1515	-	-	-	-	-	-	-	2.0 GI	
	A1516	-	-	-	-	-	-	-	2.5 GL	
	A1517	-	-	-	-	-	-	-	2.5 GL	
	DOOR, REAR <div style="text-align: right; padding-right: 20px;"> COLOR COAT/CLEAR COAT 4DOOR RIGHT LEFT REFINISH/CLEAR COAT 4DOOR RIGHT LEFT </div>	A1520	-	.8 GG	-	-	-	-	-	2.0 GK
		A1521	-	.8 GF	-	-	-	-	-	2.0 GK
		A1530	-	1.0 GI	-	-	-	-	-	2.7 GN
A1531		-	1.0 GI	-	-	-	-	-	2.7 GN	
WHEELS POLICY: A <div style="text-align: right; padding-right: 20px;"> COLOR COAT RIGHT FRONT LEFT FRONT RIGHT REAR LEFT REAR ONE WHEEL - DISC </div>		A3300	.6 PB	.6 PB	.6 PB	.6 PB	.6 PB	.6 PB	.6 PB	.6 GB
		A3301								
	A3320									
	A3321									
	A3400	.5 GD	.5 GD	.5 GD	.5 GD	.5 GD	.5 GD	.6 PC	.3 GC	
BOX, BATTERY POLICY: A <div style="text-align: right; padding-right: 20px;"> REFINISH </div>	A3450	.6 PC	.6 PC	.6 PD	.6 PD	.6 PC	.6 PC	.6 GC		
	A4340	.5		.5	.5	.5	-	-		
STRIPE, DECAL- REPLACE <div style="text-align: right; padding-right: 20px;"> FRONT END PANEL HOOD PANEL RIGHT LEFT FRONT DOOR PANEL RIGHT LEFT </div>	A4360	.5		.5	.5	.5	-	-		
	A4361	.5		.5	.5	.5	-	-		
	A4480	.5		.5	.5	.5	-	-		
	A4481	.5		.5	.5	.5	-	-		

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PAINT EXTERIOR								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
RAIL DUST REMOVAL - OXALIC ACID PRODUCTS Note: You may claim 0.5 to 1.2 hours depending on the actual time performing the repair	A5575	-	-	-	-	-	ST	ST
RAIL DUST REMOVAL - NON ACID PRODUCTS Note: You may claim 0.5 to 1.2 hours depending on the actual time performing the repair	A5580	-	-	-	-	-	ST	ST
CAB, ENTIRE POLICY: A DOES NOT INC: Hood, fender, grille, bumper valance, or running board on conv. series.								
COLOR COAT	A5600	6.1	-	6.1	6.1	8.6	8.6	8.6
		QJ	-	QJ	QJ	QM	QM	QM
REFINISH	A5610	7.6	-	7.6	7.6	10.1	10.1	10.1
		RA	-	RA	RA	RG	RG	RG
FOUR DOOR								
COLOR COAT	A5600	-	-	-	-	-	-	22.4
								KM
REFINISH	A5610	-	-	-	-	-	-	28.5
								LY
INTERIOR PAINT - REPAIR Note: This labor operation is for painting any Interior metal surface up to 150 square inches.	A7100	-	-	-	-	-	0.4 GD	0.4 GD

A1

PAINT EXTERIOR								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
PANEL, BODY LOCK OR HINGE PILLAR								
POLICY: A								
COLOR COAT								
RIGHT	A7620	.4	.4	.4	.4	.5	-	-
		PA	PA	PA	PA	PB	-	-
LEFT	A7621	.4	.4	.4	.4	.5	-	-
		PA	PA	PA	PA	PB	-	-
REFINISH								
RIGHT	A7630	.5	.5	.5	.5	.6	-	-
		PB	PB	PB	PB	PC	-	-
LEFT	A7631	.5	.5	.5	.5	.6	-	-
		PB	PB	PB	PB	PC	-	-
DOOR, FRONT								
POLICY: A								
SPOT REPAIR								
RIGHT	A7679	.5	.5	.5	.5	.5	-	-
		PA	PA	PA	PA	PA	-	-
LEFT	A7689	.5	.5	.5	.5	.5	-	-
		PA	PA	PA	PA	PA	-	-
COLOR COAT								
RIGHT	A7680	1.0	1.0	1.0	1.0	.8	-	-
		PE	PE	PE	PE	PB	-	-
LEFT	A7681	1.0	1.0	1.0	1.0	.8	-	-
		PE	PE	PE	PE	PB	-	-
REFINISH								
RIGHT	A7690	1.2	1.2	1.2	1.2	.9	-	-
		PH	PH	PH	PH	PC	-	-
LEFT	A7691	1.2	1.2	1.2	1.2	.9	-	-
		PH	PH	PH	PH	PC	-	-
PANEL, CAB BACK								
POLICY: A								
COLOR COAT								
	A7960	-	-	-	-	1.0	-	-
		PG	-	-
REFINISH								
	A7970	-	-	.	.	1.2	-	-
		-	-	.	.	PH	-	-

A8

PANEL REPAIRS								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
<p>THE FOLLOWING OPERATION NUMBERS ARE FOR WARRANTY CLAIMS ONLY AND SHOULD BE USED TO IDENTIFY METAL FINISH REPAIRS ON THE PANELS OR COMPONENTS INDICATED. THESE OPERATIONS INCLUDE ALL METAL AND PAINT WORK REQUIRED FOR REPAIRS SUCH AS DENTS, WAVES, RIPPLES, DINGS, ROUGH WELDS AND WELD SPATTER.</p> <p>NOTE: DO NOT USE THESE OPERATIONS WHERE ONLY PAINT REPAIRS ARE REQUIRED.</p> <p>NOTE: THESE A9000 SERIES OPERATIONS ARE NOT ALLOWED FOR USE ON TRANSPORTATION CLAIMS.</p>								
GRILLE, RADIATOR - REPAIR	A9060	.5	.5	.5	.5	.5	-	-
PANEL, FRONT, CENTER- REPAIR	A9100	.5	.5	.5	.5	.5	-	-
PANEL ASM, BODY SIDE- REPAIR	RIGHT LEFT	A9150	.5	.5	.5	.5	-	-
		A9151	.5	.5	.5	.5	-	-
PANEL, ROOF- REPAIR	A9220	.5	.5	.5	.5	.5	-	-
PAN, FLOOR- REPAIR	FRONT	A9300	.5	.5	.5	.5	-	-
PANEL, FRONT DOOR OUTER- REPAIR	RIGHT	A9340	.5	.5	.5	.5	-	-
	LEFT	A9341	.5	.5	.5	.5	-	-
PANEL, CAB REAR OUTER- REPAIR	UPPER	A9402	.5	.5	.5	.5	-	-
	RIGHT	A9780	.5	.5	.5	.5	-	-
	LEFT	A9781	.5	.5	.5	.5	-	-

B1

BUMPERS AND FRONT END								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
BRACKET, FRONT LICENSE PLATE MOUNTING - REPLACE	B0140	-	-	-	-	-	0.2	0.2
BAR, FRONT BUMPER FACE- REPLACE ONE PIECE ADD: A - To Color Coat	B0218	.5 .5 PC	.5 .5 PC	.5 .5 PC	.4 .5 PL	.3 1.0 PL	.9 .9 PE	.4 - -
CAP, FRONT BUMPER OUTER END- REPLACE RIGHT LEFT ADD: A - To Color Coat	B0240 B0241	.2 .2 .3 PB	.2 .2 .3 PB	.2 .2 .3 PB	.2 .2 .3 PB	.2 .2 .3 PB	.2 .2 .3 PB	- - - -
TOW HOOK - FRONT - REPLACE RIGHT LEFT BOTH	B0344 B0345 B0346	- - -	- - -	- - -	- - -	- - -	- - -	.4 .4 .7
GRILLE ASSEMBLY - REPLACE 2007 + New Cab GRW Grille V22 Grille	B1308	.2 .1 - -	.2 .1 - -	.2 .1 - -	.2 .1 - -	.4 - -	.2 - -	- .2 .3
HOOD AND/OR LATCH ASSEMBLY - ALIGN/ADJUST	B1500	-	-	-	-	-	-	.1-0.3
LATCH, HOOD - R&R OR REPLACE	B1540	-	-	-	-	-	-	0.3
BUMPERS, HOOD - REPLACE	B1650	-	-	-	-	-	-	0.2
BUSHING, HOOD HINGE - REPLACE - ONE OR ALI	B1660	-	-	-	-	-	-	0.4
HINGE, HOOD - RIGHT - REPLACE - TILT HOOD	B1710	-	-	-	-	-	-	0.6
HINGE, HOOD - LEFT - REPLACE - TILT HOOD	B1711	-	-	-	-	-	-	0.6
CABLE OR SPRING, HOOD CHECK - RIGHT - REPLACE	B1720	-	-	-	-	-	-	0.4
CABLE OR SPRING, HOOD CHECK - LEFT - REPLACE	B1721	-	-	-	-	-	-	0.4
CABLE OR SPRING, HOOD CHECK - BOTH - REPLACE	B1727	-	-	-	-	-	-	0.5

B2

BUMPERS AND FRONT END									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR	
RETAINER AND/OR BOLTS, BATTERY - REPLACE	B1780	-	-	-	-	-	0.2	.2	
TRAY OR SUPPORT, BATTERY - REPLACE	B1782	-	-	-	-	-	0.4	.7	
BLADE AND/OR INSERT, WIPER SYSTEM - REPLACE	B1783	-	-	-	-	-	0.2	.2	
ARM, WIPER - WINDSHIELD (ONE OR BOTH) - REPLACE	B1784	-	-	-	-	-	0.3	.2	
TRANSMISSION ASSEMBLY, WIPER - WINDSHIELD - RIGHT - REPLACE	B1786	-	-	-	-	-	1.0	-	
TRANSMISSION ASSEMBLY, WIPER - WINDSHIELD - LEFT - REPLACE	B1787	-	-	-	-	-	1.0	-	
TRANSMISSION ASSEMBLY, WIPER - W/S - REPLACE	B1788	-	-	-	-	-	-	0.8	
LINK AND/OR CRANK, WINDSHIELD WIPER (ONE OR BOTH) - REPLACE	B1789	-	-	-	-	-	0.5	.7	
HOSES, NOZZLES OR STOPS, WIPER FRONT - REPAIR OR REPLACE	B1790	-	-	-	-	-	.1-0.3	.1-0.3	
CONTAINER, WASHER - WINDSHIELD - REPLACE	B1794	-	-	-	-	-	0.3	.5	
VALVE, WASHER PUMP - REPLACE	B1798	-	-	-	-	-	0.2	-	
CAP, WINDSHIELD WASHER CONTAINER - REPLACE	B1800	-	-	-	-	-	0.2	0.2	
SKIRT, FRONT FENDER INNER - REPLACE									
	RIGHT	B1860	.3	.3	.3	.3	.4	.9	.2
	LEFT	B1861	.3	.3	.3	.3	.4	.9	.2
	BOTH	B1867	.5	.5	.5	.5	.5	1.4	-
STEP, CAB ASSIST- REPLACE									
	RIGHT	B1920	0.2	0.2	0.2	0.2	0.5	0.5	0.5
	LEFT	B1921	0.2	0.2	0.2	0.2	0.5	0.5	0.5
ADD: A - To R&R Upper Step draoB and Side Stay			-		-	-	0.1	0.1	0.1
STEP, CAB REAR ASSIST (CREW CAB)									
	Right	B1924	-	0.4	-	-	-	-	-
	Left	B1925	-	0.4	-	-	-	-	-

B3

DOORS AND ATTACHING PARTS									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR	
DOOR ASSEMBLY, FRONT - ALIGN	RIGHT	B4000	.4	.4	.4	.4	.4	.1-0.3	.1-0.3
	LEFT	B4001	.4	.4	.4	.4	.4	.1-0.3	.1-0.3
HINGE, FRONT DOOR (BOLT ON) - REPLACE									
INC:Adjust door lock striker plate and door assy to door opening									
	RIGHT UPPER	B4012	.5	.5	.5	.5	.5	.8	.7
	LEFT UPPER	B4013	.5	.5	.5	.5	.5	.8	.7
	RIGHT LOWER	B4014	.5	.5	.5	.5	.5	.8	.7
	LEFT LOWER	B4015	.5	.5	.5	.5	.5	.8	.7
ADD:									
A - To Refinish									
			.2	.2	.2	.2	.2	.5	.5
			PA	PA	PA	PA	PA	PA	PA
HANDLE, FRONT DOOR OUTSIDE - REPLACE									
	RIGHT	B4120	.4	.4	.4	.4	.4	.4	.5
	LEFT	B4121	.4	.4	.4	.4	.4	.4	.6
	2007 + New Cab		.6	.6	.6	.6			
HANDLE, BODY ASSIST - REPLACE									
	RIGHT	B4140	.2	.2	.2	.2	.2	.2	.2
	LEFT	B4141	.2	.2	.2	.2	.2	.2	.2
MIRROR, OUTSIDE REAR VIEW - REPLACE									
	Right	B4155	.3	.3	.3	.3	.3	.3	.4
	Left	B4156	.3	.3	.3	.3	.3	.3	.4
CYLINDER, FRONT DOOR LOCK - R&R OR REPLACE									
	RIGHT	B4180	.3	.3	.3	.3	.4	.5	.5
	LEFT	B4181	.3	.3	.3	.3	.4	.5	.7
	2007 + New Cab		.6	.6	.6	.6	-	-	-
ADD:									
A - To Code Cyl									
			.3	.3	.3	.3	.3	.3	.3
STRIKER, FRONT DOOR LOCK - REPLACE									
DOES NOT INC: Aligning door assy to door opening.									
	RIGHT	B4240	.2	.2	.2	.2	.2	-	-
	LEFT	B4241	.2	.2	.2	.2	.2	-	-
LOCK, FRONT DOOR - R&R OR REPLACE									
	RIGHT	B4260	.3	.3	.3	.3	.6	.6	.7
	LEFT	B4261	.4	.4	.4	.4	.6	.6	.7
	2007 + New Cab		.7	.7	.7	.7	-	-	-
HANDLE, FRONT DOOR INSIDE OPENING - R&R OR REPLACE									
	RIGHT	B4280	.3	.3	.3	.3	.3	.2	.5
	LEFT	B4281	.3	.3	.3	.3	.3	.2	.5

B4

DOORS AND ATTACHING PARTS									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR	
CONTROL, FRONT DOOR LOCK REMOTE- REPLACE	RIGHT	B4290	.3	.3	.3	.3	.3	.3	.3
	LEFT	B4291	.3	.3	.3	.3	.3	.3	.3
ADD: A - To R&R Armrest (Either Side)			-		-		.1	.1	.1
LATCH ASSEMBLY, FRONT DOOR- REPLACE	RIGHT	B4310	-		-		.5	.5	.5
	LEFT	B4311	-		-		.5	.5	.5
ROD, FRONT DOOR INSIDE LOCKING	RIGHT	B4360	-	-	-	-	-	-	.8
	LEFT	B4361	-	-	-	-	-	-	.7
CABLE, FRONT DOOR INSIDE LOCKING 2007 + New Cab	Left	B4370	.6	.6	.6	.6	-	-	-
	Right	B4371	.6	.6	.6	.6	-	-	-
STRIKER, FRONT/REAR - ADJUST OR REPLACE		B4379	-	.2	-	-	-	.2	.2
DOOR ASSY. REAR - ALIGN	RIGHT	B4400	-	0.3	-	-	-	-	0.3
	LEFT	B4401	-	0.3	-	-	-	-	0.3
HINGE, REAR DOOR (BOLTON) - REPLACE	UPPER								
	RIGHT	B4412	-	0.4	-	-	-	-	0.7
	LEFT	B4413	-	0.4	-	-	-	-	0.7
	LOWER								
	RIGHT	B4414	-	0.4	-	-	-	-	0.7
	LEFT	B4415	-	0.4	-	-	-	-	0.7
Add: To Color/Clear Coat	BOTH RIGHT	B4419	-	-	-	-	-	-	37
	BOTH LEFT	B4415	-	-	-	-	-	-	37
			-	-	-	-	-	-	0.2
			-	-	-	-	-	-	PA
LINK, REAR DOOR CHECK - REPLACE	RIGHT	B4450							0.2
	LEFT	B4451							0.2
PIN AND/OR BUSHING, BACK DOOR - REPLACE	UPPER RIGHT	B4452							0.6
	UPPER LEFT	B4453							0.6
	LOWER RIGHT	B4454							0.6
	LOWER LEFT	B4455							0.6
CONDUIT, REAR DOOR HINGE PILLAR - REPLACE	RIGHT	B4500							3.0
	LEFT	B4501							3.0

B5

EXTERIOR TRIM								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
HANDLE, REAR SIDE DOOR INSIDE - REPLACE	B4517	-	0.4	-	-	-	-	-
	B4518	-	0.4	-	-	-	-	-
HANDLE, REAR DOOR, OUTSIDE - REPLACE								
	RIGHT LEFT	B4520 B4521	- -	0.4 0.4	- -	- -	- -	0.7 0.5
LOCK, REAR DOOR - R&R OR REPLACE	RIGHT	B4660		0.4				0.7
	LEFT	B4661		0.4				0.7
HANDLE REAR DOOR INSIDE OPENING - R&R OR REPLACE	RIGHT	B4680		0.4				
	LEFT	B4681		0.4				
OR REPLACE	RIGHT	B4700	-	-	-	-	-	1
	LEFT	B4701	-	-	-	-	-	1
ROD, REAR DOOR INSIDE LOCKING - R&R OR REPLACE	RIGHT	B4730	-	-	-	-	-	0.3
	LEFT	B4731	-	-	-	-	-	0.3
BODY - RESEAL	B5410	-	-	-	-	-	-	0.1-0.4
VALVE, BODY/CAB PRESSURE RELIEF - REPLACE	RIGHT	B6306	-	-	-	-	-	0.2
	LEFT	B6307	-	-	-	-	-	0.2
EMBLEM AND/OR NAMEPLATE - ONE - REPLACE		B7010	0.2	0.2	0.2	0.2	0.2	0.2
	Add: To Replace Each Additiona		0.1	0.1	0.1	0.1		
BEZEL - HEADLAMP - REPLACE	RIGHT	B7240	-	-	-	-	0.2	0.2
	LEFT	B7241	-	-	-	-	0.2	0.2
HEADLAMP - AIM	B7280	-	-	-	-	-		0.3
FLAPS, MUD - FRONT - REPLACE	FRONT	B7786	-	-	-	-	-	0.3
	REAR	B7787	-	-	-	-	-	0.3
HEADLAMP ASSY COMPOSITE	RH	B7288	0.5	0.5	0.5	0.5	-	-
	2007 + New Cab		0.4	0.4	0.4	0.4	-	-
	LH	B7289	0.5	0.5	0.5	0.5	-	-
	2007 + New Cab		0.6	0.6	0.6	0.6	-	-
LENS AND/OR GASKET, EXTERIOR LIGHTING - REPLACE	B9598	-	-	-	-	-	0.2	0.2
LAMP ASSEMBLY, EXTERIOR - PARK AND TURN SIGNAL - REPLACE	RIGHT	B9616	-	-	-	-	0.2	0.3
	LEFT	B9617	-	-	-	-	0.2	0.3
LAMP ASSEMBLY, EXTERIOR - AUXILIARY LIGHTING - REPLACE	B9622	-	-	-	-	-	0.2	0.3
LAMP ASSEMBLY, EXTERIOR - STOP, TAIL AND TURN SIGNAL - REPLACE	RIGHT	B9640	-	-	-	-	0.2	0.2
	LEFT	B9641	-	-	-	-	0.2	0.2

C1

GLASS									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
NOTE: THESE LABOR OPERATIONS INCLUDE ALIGNMENT, ADJUSTMENT AND NECESSARY LUBRICATION WHEN APPLICABLE.									
COWL AREA - RESEAL	C0010	-	-	-	-	-	.1-0.4	.1-0.4	
GLASS, WINDSHIELD - RESEAL INC: Water test.	C0020	0.5	0.5	0.5	0.5	0.5	.1-0.5	.1-0.5	
GLASS, WINDSHIELD - REPLACE POLICY: S INC: Water test and extra man's assistance.	ONE PIECE C0034	1.7	1.7	1.7	1.7	1.7	1.2	1.0	
MIRROR, INSIDE REAR VIEW - REPLACE	C0040	-	-	-	-	-	-	0.2	
SUPPORT, INSIDE REAR VIEW MIRROR- R&R OR REPLACE INC: Transfer or replacement of mirror to support.	C0050	-	-	-	-	-	-	0.3	
GLASS, FRONT DOOR - ALIGN	RIGHT LEFT C0100 C0101	0.4 0.4	0.4 0.4	0.4 0.4	0.4 0.4	0.4 0.4	.1-0.4 .1-0.4	.1-0.4 .1-0.4	
GLASS, FRONT DOOR - R&R INC: Necessary lubrication and adjustments.	RIGHT LEFT C0110 C0111	1.0 1.0	1.0 1.0	1.0 1.0	1.0 1.0	0.8 0.8	0.8 0.8	0.8 0.8	
ADD: A- To R&R Armrest (Either Side) B- To Replace Window Regulator C ~ To Replace Rubber Channel (Either Side)		. 0.3 0.1	. 0.3 0.1	- 0.3 0.1	. 0.3 0.1	0.1 0.1 0.2	0.1 0.1 0.2	0.1 0.1 0.2	
GLASS, FRONT DOOR- REPLACE INC: Necessary lubrication and adjustments.	RIGHT LEFT C0114 C0115 2007 + New Cab RIGHT LEFT C0114 C0115	1.2 1.2 0.6 0.6	1.2 1.2 0.6 0.6	1.2 1.2 0.6 0.6	1.2 1.2 0.6 0.6	0.9 0.9 0.9 0.9	0.9 0.9 0.9 0.9	0.4 0.4 0.4 0.4	

C2

GLASS AND ATTACHING PARTS									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
STRIP AND/OR RETAINER, FRONT DOOR WINDOW INNER SEALING - R&R OR REPLACE	RIGHT	C0120	0.2	0.2	0.2	0.2	0.4	0.4	0.6
	LEFT	C0121	0.2	0.2	0.2	0.2	0.4	0.3	0.6
	2007 + New Cab Both		0.3	0.3	0.3	0.3	-	-	-
STRIP, FRONT DOOR WINDOW OUTER SEALING - R&R OR REPLACE	RIGHT	C0130	0.2	0.2	0.2	0.2	0.3	0.3	0.4
	LEFT	C0131	0.2	0.2	0.2	0.2	0.3	0.3	0.4
	2007 + New Cab Both		0.1	0.1	0.1	0.1	-	-	-
CHANNEL, FRONT DOOR WINDOW RUN - R&R OR REPLACE INC: R&R door glass as necessary.	RIGHT	C0140	0.4	0.4	0.4	0.4	0.6	0.6	0.5
	LEFT	C0141	0.4	0.4	0.4	0.4	0.6	0.6	0.5
	2007 + New Cab Both		0.5	0.5	0.5	0.5	-	-	-
CHANNEL AND/OR RETAINER, FRONT DOOR WINDOW RUN R&R OR REPLACE	RIGHT	C0146	-	-	-	-	-	-	1.2
	LEFT	C0144	-	-	-	-	-	-	1.2
CHANNEL, FRONT DOOR WINDOW REGULATOR SASH RPL.	RIGHT	C0166	1.1	1.1	1.1	1.1	-	-	-
	LEFT	C0167	1.1	1.1	1.1	1.1	-	-	-
HANDLE, FRONT DOOR WINDOW REGULATOR - REPLACE	RIGHT	C0170	0.2	0.2	0.2	0.2	0.2	0.2	0.3
	LEFT	C0171	0.2	0.2	0.2	0.2	0.2	0.3	0.3
REGULATOR, FRONT DOOR WINDOW - R&R OR REPLACE INC: D&C glass, prop in up position and transfer motor where necessary.	RIGHT MANUAL	C0180	0.6	0.6	0.6	0.6	0.8	1.0	0.7
	LEFT MANUAL	C0181	0.6	0.6	0.6	0.6	0.8	0.9	0.7
POWER REGULATOR, FRONT DOOR WINDOW - R&R OR REPLACE INC: D&C glass, prop in up position and transfer motor where necessary.	RIGHT POWER	C0182	0.5	0.5	0.5	0.5	-	1.0	0.8
	LEFT POWER	C0183	0.5	0.5	0.5	0.5	-	1.0	0.8
	2007 + New Cab Both		0.7	0.7	0.7	0.7	-	-	-
GLASS, REAR DOOR - ALIGN - 4 DOOR	RIGHT	C0300	-	-	-	-	-	-	.1-0.4
	LEFT	C0301	-	-	-	-	-	-	.1-0.4
GLASS, REAR DOOR - REPLACE 4 DOOR	RIGHT	C0314	-	0.4	-	-	-	-	0.4
	LEFT	C0315	-	0.4	-	-	-	-	0.4
STRIP, REAR DOOR WINDOW SEALING - R&R OR REPLACE 4 DOOR	INNER RIGHT	C0320	-	0.1	-	-	-	-	0.5
	LEFT	C0321	-	0.1	-	-	-	-	0.5
	OUTER RIGHT	C0330	-	0.1	-	-	-	-	0.3
	LEFT	C0331	-	0.1	-	-	-	-	0.3
Channel And/Or Retainer, Rear Door Window Run (Front) (Front) 4 DOOR	RIGHT	C0354	-	0.4	-	-	-	-	0.7
	LEFT	C0355	-	0.4	-	-	-	-	0.7

C3

GLASS AND ATTACHING PARTS								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
HANDLE, REAR DOOR WINDOW REGULATOR - REPLACE								
4 DOOR								
RIGHT	C0370	-	0.1	-	-	-	-	0.3
LEFT	C0371	-	0.1	-	-	-	-	0.3
REGULATOR, REAR DOOR WINDOW - R&R OR REPLACE								
MANUAL								
4 DOOR								
RIGHT	C0380	-	0.4	-	-	-	-	0.4
LEFT	C0381	-	0.4	-	-	-	-	0.4
REGULATOR, REAR DOOR WINDOW - R&R OR REPLACE								
POWER								
4 DOOR								
RIGHT	C0382	-	-	-	-	-	1.0	0.4
LEFT	C0383	-	-	-	-	-	1.0	0.4
GLASS - SIDE STATIONARY (RIGHT OR LEFT) - RESEAL	CO450	-	-	-	-	-		-
GLASS, REAR CORNER - RESEAL								
INC: Water test.								
RIGHT	C0610	-	-	-	-	0.5	0.5	-
LEFT	C0611	-	-	-	-	0.5	0.5	-
GLASS, REAR CORNER - REPLACE								
POLICY: S								
INC: R&R rubber channel where necessary, water test.								
RIGHT	C0620	-	-	-	-	0.3	0.3	-
LEFT	C0621	-	-	-	-	0.3	0.3	-
GLASS, BACK WINDOW - RESEAL	C0650	0.5	0.5	0.5	0.5	0.5	0.5	.1-0.5
INC:Water test.								
GLASS, BACK WINDOW - REPLACE	C0660	0.6	0.6	0.6	0.6	0.6	0.4	1.6
POLICY: S								
INC: R&R rubber channel where necessary, water test and extra man's assistance.								
GLASS, BACK WINDOW SLIDING - COMPLETE - REPLACE	CO687	-	-	-	-	-	-	1.6
LATCH, BACK WINDOW SLIDING - REPLACE	C0690	-	-	-	-	-	-	0.2

C4

WEATHERSTRIPS									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
WEATHERSTRIP - ALIGN OR REPLACE									
FRONT DOOR									
RIGHT	C1060	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
LEFT	C1061	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
WEATHERSTRIP - REAR DOOR - ALIGN OR REPLACE									
4 DOOR									
RIGHT	C1120	-	0.3	-	-	-	-	-	0.2
LEFT	C1121	-	0.3	-	-	-	-	-	0.2
WEATHERSTRIP - ALIGN OR REPLACE									
QUARTER WINDOW (SWING OUT)									
RIGHT	C1240	-	-	-	-	0.2	-	-	-
LEFT	C1241	-	-	-	-	0.2	-	-	-

C5

INTERIOR TRIM									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
WINDSHIELD GARNISH MOLDING REPLACEMENT	RIGHT LEFT	C2000 C2001	- -	- -	- -	- -	- -	0.2 0.2	
SUNSHADE AND/OR SUPPORT- R&R OR REPLACE INC: Transfer sunshade to new support.	RIGHT LEFT	C2020 C2021	0.2 0.2	0.2 0.2	0.2 0.2	0.2 0.2	0.2 0.2	0.2 0.2	
(INSTRUMENT PANEL) - ADJUST OR REPLACE		C2120	-	-	-	-	0.3 0.3	-	
DOOR ASSEMBLY, GLOVE COMPARTMENT (INSTRUMENT PANEL) - R&R OR REPLACE INC:Align compartment door latch catch.		C2140	0.2	0.2	0.2	0.2	0.2	-	
BOX, GLOVE COMPARTMENT (INSTRUMENT PANEL) - REPLACE INC: D&C door assembly. 2007 + New Cab		C2160	0.3 1.6 0.1	 1.6 0.1	0.3 1.6 0.1	0.3 1.6 0.1	0.3 - -	- - -	
ASH TRAY, INSTRUMENT PANEL - R&R OR REPLACE		C2200	0.2	0.2	0.2	0.2	0.2	0.5 -	
PLATE, INSTRUMENT PANEL TRIM - STEERING COLUMN LOWER - R&R OR REPLACE		C2327	-	-	-	-	-	0.6	
CLUSTER, METER, INSTRUMENT PANEL - REPLACE 2007 + New Cab		C2340	0.3	0.3	0.3	0.3	-	-	
PAD, INSTRUMENT PANEL COVER- REPLACE 2007 + New Cab ADD: A - To Color Coat		C2500	4.5 1.6 - -	4.5 1.6 - -	4.5 1.6 - -	4.5 1.6 - -	0.5 - 0.6 PC	1.2 - 0.6 PC	- - - -
PANEL/PAD ASSEMBLY, INSTRUMENT PANEL - REPLACE		C2540	-	-	-	-	-	-	1.3
SIDE	RIGHT LEFT	C2600 C2601	- -	- -	- -	- -	- -	0.2 0.2	
LENS, LAMP INTERIOR AND/OR REAR COMPARTMENT - REPLACE		C2684	-	-	-	-	-	0.2	
LAMP ASSEMBLY, INTERIOR AND/OR REAR COMPARTMENT - REPLACE		C2686	-	-	-	-	-	0.1-0.3	

C6

INTERIOR TRIM								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
CONSOLE ASSEMBLY- R&R OR REPLACE	C2860	0.2	0.2	0.2	0.2	0.2	0.2	0.2
BEZEL ROOF CONSOLE - REPLACE	C2865	-	-	-	-	-	0.7	-
PLATE, ROOF CONSOLE BACKING - REPLACE Diagnosis Time: You may claim up to the allowable labc hours depending on actual time performing diagnosis.	C2868	-	-	-	-	-	1.3 0-03	-
CONSOLE, ROOF - R&R OR REPLACE	C2870	-	-	-	-	0.8	0.7	0.7
LATCH, ENGINE COVER - REPLACE	C2880	-	-	-	-	-	-	0.2
COVER, ENGINE - REPLACE	C2890	-	-	-	-	-	-	0.2
KNOB, CONTROL AND/OR SHAFT - ONE OR ALL - REPLACE	C2990	-	-	-	-	-	0.2	0.2
MOLDING AND/OR PAD, SIDE ROOF RAIL GARNISH ONE PIECE - R&R OR REPLACE								
RIGHT	C3028	-	-	-	-	-	-	0.2
LEFT	C3038	-	-	-	-	-	-	0.2
HEADLINING ASSY ~ R&R OR REPLACE	C3108	0.7	0.7	0.7	0.7	-	-	-
TWO PIECE - FRONT	C3122	-	-	-	-	-	1.3	-
TWO PIECE - REAR	C3123	-	-	-	-	-	.7	-
ONE PIECE	C3128	-	-	-	-	-	1.5	1.1
2007 + New Cab	C3128	0.6	0.6	0.6	0.6	-	-	-
ARMREST, FRONT DOOR - R&R OR REPLACE								
RIGHT	C3320	-	-	-	-	0.2	0.2	-
LEFT	C3321	-	-	-	-	0.2	0.2	-
ADD:								
A - To Color Coat		-	-	-	-	0.2	0.2	-
		-	-	-	-	PB	PB	-
TRIM ASSEMBLY, FRONT DOOR - R&R OR REPLACE POLICY: S								
RIGHT UPPER	C3342	-	-	-	-	0.3	0.3	-
LOWER	C3343	-	-	-	-	0.2	0.2	-
ONE PIECE	C3348	0.3	0.3	0.3	0.3	-	-	0.4
LEFT UPPER	C3352	-	-	-	-	0.3	0.3	-
LOWER	C3353	-	-	-	-	0.2	0.2	-
ONE PIECE	C3358	0.3	0.3	0.3	0.3	-	-	0.4
ADD:								
A- To Color Coat, Lower		-	-	-	-	0.4	0.4	-
		-	-	-	-	PB	PB	-

C7

INTERIOR TRIM									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
PLATE AND/OR INSERT, FRONT DOOR SILL- REPLACE	RIGHT	C3360	0.2	0.2	0.2	0.2	-	0.2	0.2
	LEFT	C3361	0.2	0.2	0.2	0.2	-	0.2	0.2
TRIM ASSEMBLY, REAR DOOR- R&R OR REPLACE	RIGHT	C3540	-	-	-	-	-	-	0.4
	LEFT	C3541	-	-	-	-	-	-	0.4
PLATE AND/OR INSERT, REAR DOOR SILL - REPLACE	RIGHT	C3560	-	-	-	-	-	-	0.2
	LEFT	C3561	-	-	-	-	-	-	0.2
STRAP (HANDLE) AND/OR ESCUTCHEON, ASSIST REAR - R&R OR REPLACE	RIGHT	C3900	-	-	-	-	-	-	0.2
	LEFT	C3901	-	-	-	-	-	-	0.2
GRIP, FRONT UPPER- R&R	RIGHT	C3904	-	-	-	-	-	0.2	0.2
CARPET, FLOOR - R&R OR REPLACE POLICY: S INC: Loosen trim panel.	RIGHT	C4200	-	-	-	-	0.3	0.3	-
	LEFT	C4201	-	-	-	-	0.3	0.3	-
FRONT FLOOR PANEL CARPET REPLACEMENT 2007 + New Cab		C4202	-	-	-	-	-	-	1.4
COVER, RUBBER FLOOR - R&R OR REPLACE INC: R & R drivers seat, loosen trim panel	FRONT	C4222	0.2	-	0.2	0.2	-	-	0.5
	REAR	C4223	0.3	-	0.3	0.3	-	-	-
	CENTER	C4226	0.2	-	0.2	0.2	-	-	-
Molding, Back Window Garnish - R&R Or Replace	UPPER	C4282	-	-	-	-	-	-	0.2
	LOWER	C4283	-	-	-	-	-	-	1.5

C8

Seats and Seat Trim									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
ADJUSTER ASSEMBLY, FRONT SEAT MANUAL- R&R OR REPLACE									
BENCH	C6000	-	-	-	-	-	-	0.6	
BUCKET PASSENGER	C6010	-	-	-	-	-	-	0.4	
BUCKET DRIVER	C6011	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
ADJUSTER ASSEMBLY, FRONT SEAT MANUAL - SPLIT/DIVIDED SEAT PASSENGER - R&R OR REPLACE	C6020	-	-	-	-	-	0.5	-	
WIRE, SEAT ADJUSTER LOCKING - BENCH SEAT - R&R OR REPLACE	C6130	-	-	-	-	-	-	0.4	
HANDLE, SEAT ADJUSTER - REPLACE	C6150	-	-	-	-	-	-	0.2	
SPRING, SEAT ADJUSTER - BENCH SEAT - R&R OR REPLACE	C6160	-	-	-	-	-	-	0.4	
SPRING, SEAT ADJUSTER - R&R OR REPLACE BUCKET SEAT	C6170	-	-	-	-	0.2	0.2	0.4	
RISER ASSEMBLY, BUCKET SEAT - PASSENGER - REPLACE	C6210							0.4	
RISER ASSEMBLY, BUCKET SEAT - DRIVER - REPLACE	C6211							0.4	
AIR RIDE MECHANISM, SEAT - REPAIR	C6230							1.1	
ACTUATOR, FRONT SEAT BACK (MANUAL RECLINING OR RELEASE UNIT) - PASSENGER - R&R OR REPLACE	C6510							0.4	
ACTUATOR, FRONT SEAT BACK (MANUAL RECLINING OR RELEASE UNIT) - DRIVER - R&R OR REPLACE	C6511							0.4	
SEAT ASSEMBLY, FRONT - REPLACE									
PASSENGER	C6820	0.2	0.2	0.2	0.2	0.3	0.3	-	
DRIVER	C6821	0.2	0.2	0.2	0.2	0.3	0.3	-	
SEAT ASSEMBLY, FRONT - BENCH - REPLACE	C6822	-	-	-	-	-	-	1.4	
SEAT ASSEMBLY, FRONT - SPLIT/DIVIDED SEAT - PASSENGER	C6823	-	-	-	-	-	0.3	0.3	
SEAT ASSEMBLY, FRONT - SPLIT/DIVIDED SEAT - DRIVER REPLACE	C6824	-	-	-	-	-	0.3	0.3	
COVER AND/OR PAD, FRONT SEAT CUSHION - R&R OR REPLACE	C6860	-	-	-	-	-	-	0.8	
COVER AND/OR PAD, FRONT SEAT CUSHION - R&R OR REPLACE POLICY: S									
PASSENGER	C6870	1.3	1.3	1.3	1.3	0.6	0.3	0.3	
DRIVER	C6871	0.4	0.4	0.4	0.4	0.7	0.3	0.3	
ADD: A - To Replace Seat Frame (Inc: Transfer seat adjusters.)		0.1	0.1	0.1	0.1	0.1	0.1	-	

C9

Seats and Seat Trim									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
COVER AND/OR PAD, FRONT SEAT BACK CUSHION- R&R OR REPLACE POLICY: S PASSENGER DRIVER ADD: A - To Replace Seat Back Frame (INC: Transfer seat back lock assembly.)	C7050	1.3	1.3	1.3	1.3	0.7	0.3	0.3	
	C7051	0.4	0.4	0.4	0.4	0.7	0.3	0.3	
		0.1	0.1	0.1	0.1	0.1	0.1	-	
HINGE, FOLDING SECOND SEAT BACK - RIGHT - REPLACE RIGHT LEFT	C7500	-	-	-	-	-	-	0.6	
	C7501	-	-	-	-	-	-	0.6	
PANEL, FOLDING SECOND SEAT CUSHION - SINGLE SEAT R&R OR REPLACE	C7570	-	-	-	-	-	-	0.2	
COIL (SUPPLEMENTAL INFLATABLE RESTRAINT SYSTEM) R&R OR REPLACE	C8800	-	-	-	-	-	-	0.8	
SENSOR, FORWARD DISCRIMINATING (SUPPLEMENTAL INFLATABLE RESTRAINT SYSTEM) - R&R OR REPLACE	C8810	-	-	-	-	-	-	0.3	
MODULE, SDM (SUPPLEMENTAL INFLATABLE RESTRAINT SYSTEM) - REPLACE	C8817	-	-	-	-	-	-	0.8	
MODULE, INFLATABLE RESTRAINT STEERING WHEEL - REPLACE	C8835	-	-	-	-	-	-	0.4	
MODULE, INFLATABLE RESTRAINT INSTRUMENT PANEL REPLACE	C8836	-	-	-	-	-	-	1.5	
MODULE, RESISTOR (SUPPLEMENTAL INFLATABLE RESTRAINT SYSTEM) - R&R OR REPLACE	C8840	-	-	-	-	-	-	1.9	
SEAT BELT, FRONT {BUCKLE SIDE}- REPLACE RIGHT LEFT	C9020	0.2	0.2	0.2	0.2	0.2	0.4	0.2	
	C9021	0.2	0.2	0.2	0.2	0.2	0.4	0.2	
SEAT BELT, FRONT {RETRACTOR SIDE} - R&R OR REPLACE RIGHT LEFT	C9040	0.2	0.2	0.2	0.2	0.2	0.6	0.6	
	C9041	0.2	0.2	0.2	0.2	0.2	0.6	0.6	
SEAT BELT, FRONT CENTER - REPLACE	C9100	0.3		0.3	0.3	-	0.2	0.2	
BELT ASSEMBLY, SAFETY FRONT - REPLACE 2007 + New Cab Right Left	C9180	0.4	0.4	0.4	0.4	-	-	-	
	C9181	0.4	0.4	0.4	0.4	-	-	-	
BELT, SAFETY REAR {RETRACTOR SIDE} - REPLACE RIGHT LEFT	C9200	-	-	-	-	-	-	0.2	
	C9201	-	-	-	-	-	-	0.2	

C10

Seats and Seat Trim								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BELT, SAFETY REAR CENTER· REPLACE	C9206	-	0.3	-	-	0.2	-	0.7
Cover/Bezel And/Or Guide, Seatbelt - Replace	C9289	-	-	-	-	-	-	.1-0.3

D1

Heating and Air Conditioning								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR 4	N/W CREW	NQR 5	NRR HD	FRR 0	FTR FVR FXR	HTR HVR HXR
FOR THOSE OPERATIONS IN THIS SECTION WHICH HAVE AN "ADD" FOR RECOVER/RECHARGE OF THE A/C SYSTEM, THIS "ADD" CAN ONLY BE USED ONCE PER REPAIR ORDER. KNOB, CONTROL ASSEMBLY - REPLACE INC:One or all.	D0100	0.2	0.2	0.2	0.2	0.2	0.2	0.2
LEVER, CONTROL ASSEMBLY - REPLACE SELECTOR 2007 + New Cab	D0128	0.4 0.5	0.4 0.5	0.4 0.5	0.4 0.5	0.4 -	0.4 -	- -
SWITCH, CONTROL ASSEMBLY BLOWER MOTOR - REPLACE actual time performing diagnosis.	D0220	0.3 0-3	0.3 0-3	0.3 0-3	0.3 0-3	0.3 0-3	0.3 0-3	0.6 0-3
SWITCH, CONTROL ASSEMBLY BLOWER MOTOR - A/C - REPLACE actual time performing diagnosis.	D0222	- -	- -	- -	- -	- -	0.3 0-3	0.7 0-3
SWITCH, CONTROL ASSEMBLY MASTER ELECTRICAL - REPLACE NOTE: A/C on-off switch. actual time performing diagnosis.	D0240	0.4 0-3	0.4 0-3	0.4 0-3	0.4 0-3	0.4 0-3	0.4 0-3	- 0-3
CONTROL ASSEMBLY - REPLACE actual time performing diagnosis.	D0360	0.8 0-3	0.8 0-3	0.8 0-3	0.8 0-3	1.2 0-3	1.2 0-3	0.4 0-3
CONTROL ASSEMBLY HVAC (INSTRUMENT PANEL) HEATER (NON A/C) - REPLACE actual time performing diagnosis.	D0362	- -	- -	- -	- -	- -	0.2 0-3	0.4 0-3
CABLES, AIR DISTRIBUTION - R&R OR REPLACE VENT (NON AIC) RIGHT	D0420	- -	- -	- -	- -	0.3 -	0.3 -	- -
AIR RECIRCULATION 2007 + New Cab	D0430	1.1 0.6	1.1 0.6	1.1 0.6	1.1 0.6	- -	- -	- -
HEATER (NON AIC) AIR INLET	D0436	- -	- -	- -	- -	0.5 -	- -	- -
TEMPERATURE DEFROSTER	D0437	0.8 -	0.8 -	0.8 -	0.8 -	0.5 -	- -	- -
AIR CONDITIONING TEMPERATURE 2007 + New Cab	D0447	0.9 0.6	0.9 0.6	0.9 0.6	0.9 0.6	- -	- -	- -
AIR CONDITIONING CONTROL 2007 + New Cab	D0448	0.9 0.6	0.9 0.6	0.9 0.6	0.9 0.6	- -	- -	- -
RESISTOR, BLOWER MOTOR - REPLACE actual time performing diagnosis.	D1000	0.2 0-3	0.2 0-3	0.2 0-3	0.2 0-3	0.3 0-3	0.3 0-3	0.3 0-3
RESISTOR, BLOWER MOTOR - REPLACE (AC)	D1002	0.4	0.4	0.4	0.4	-	0.2	0.2

D2

Heating and Air Conditioning

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SWITCH, THERMOSTATIC CONTROL - REPLACE ADD: A-Recover/Recharge A/C System actual time performing diagnosis.	D1140	0.5	0.5	0.5	0.5	-	-	-
		1.3	1.3	1.3	1.3	-	-	-
		0-3	0-3	0-3	0-3	-	-	-
SWITCH, PRESSURE CYCLING - REPLACE	D1180	-	-	-	-	-	1.8	0.2
TUBE, BLOWER MOTOR COOLING - REPLACE	D1300	-	-	-	-	-	-	0.2
MOTOR AND/OR FAN, BLOWER - R&R OR REPLACE INC: D&C electrical connections. R&R blower, R&R wheel from motor. ADD: actual time performing diagnosis.	D1320	0.3	0.3	0.3	0.3	1.3	0.8	0.3
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
MOTOR AND/OR FAN, BLOWER - A/C - R&R OR REPLACE 2007 + New Cab	D1322	-	-	-	-	-	0.4	0.5
		0.4	0.4	0.4	0.4	-	-	-
Motor And/Or Fan, Blower - A/C Cond. - R&R Or Replace actual time performing diagnosis.	D1323	0.5	0.9	0.5	0.5	-	-	-
		0-3	0-3	0-3	0-3	-	-	-
HOUSING, BLOWER MOTOR - R&R OR REPLACE	D1340	0.9	0.9	0.9	0.9	1.9	1.7	0.7
DUCT AND/OR HOSES, AIR DISTRIBUTION - REPAIR	D1410	-	-	-	-	-	-	-
DUCT ASSEMBLY, DEFROSTER - REPLACE 2007 + New Cab - Right 2007 + New Cab - Left 2007 + New Cab - Center	D1420 D1421 D1426	1.2 1.2 1.3	1.2 1.2 1.3	1.2 1.2 1.3	1.2 1.2 1.3	- - -	- - -	- - -
DEFLECTOR (GRILLE), AIR - REPLACE 2007 + New Cab RIGHT 2007 + New Cab LEFT 2007 + New Cab RIGHT CENTER 2007 + New Cab LEFT CENTER LEFT CENTER	D1440 D1441 D1442 D1443	0.2 0.3 0.3 0.3 0.2	0.2 0.3 0.3 0.3 0.2	0.2 0.3 0.3 0.3 0.2	0.2 0.3 0.3 0.3 0.2	- - - - -	0.8 0.4 - - -	0.2 0.5 0.4 - 0.4
HARNESS, VACUUM HOSE - REPAIR	D1700	-	-	-	-	-	-	.1-5
PUMP, VACUUM CONTROL HVAC - REPLACE	D1741	-	-	-	-	-	-	0.4
ACTUATOR, AIC MODE CONTROL - R&R OR REPLACE actual time performing diagnosis. Add: To Recover and Recharge A/C System	D1807	-	-	-	-	-	0.4 0-3 0.5	0.7 0-3 -
ACTUATOR, AIC CHANGEOVER OUTSIDE AIR- R&R OR REPLACE actual time performing diagnosis. Add: To Recover and Recharge A/C System	D1810	-	-	-	-	-	0.2 0-3 0.5	3.1 0-3 -
ACTUATOR, AIC TEMPERATURE CONTROL- R&R OR REPLACE actual time performing diagnosis.	D1811	-	-	-	-	-	2.2 0-3	1.4 0-3
VENT ASSEMBLY, OUTSIDE FRESH AIR - REPLACE	D1920	0.4	0.4	0.4	0.4	0.4	0.4	0.4
CASE,HEATER-REPLACE INC.: R&R glove box and door assembly, D&C control cables.	D2220	2.5	2.5	2.5	2.5	2	3.3	2.2

D3

Heating and Air Conditioning

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
CASE, EVAPORATOR - R&R OR REPLACE ADD: A - Recover/Recharge AIC System	D2510	1 1.3	1 1.3	1 1.3	1 1.3	2.3 1.3	2.3 0.5	2.1 0.5
CLAMP, HEATER/COOLING SYSTEM-REPOSITION Note: This labor operation can only be used within 12 months from date of purchase, and cannot be used with any part replacement or R&R labor code operation	D2708	.1-.3	.1-.3	.1-.3	.1-.3	.1-.3	.1-.3	.1-.3
HOSES, HEATER (WITHOUT AIR CONDITIONING) - REPLACE INLET OUTLET BOTH	D2744 D2745 D2747	- - -	- - -	- - -	- - -	- - -	0.4 0.4 0.5	0.4 0.4 0.5
HOSES, HEATER (WITHOUT AIR CONDITIONING) - REPLACE ONE BOTH	D2746 D2747	0.5 0.8	0.5 0.8	0.5 0.8	0.5 0.8	0.4 0.5	- -	- -
HOSES, HEATER (WITH AC) - INLET- REPLACE	D2774	0.5	0.5	0.5	0.5	-	-	0.5
HOSES, HEATER (WITH AC) - OUTLET- REPLACE	D2775	0.5	0.5	0.5	0.5	-	-	0.6
HOSES, HEATER (WITH AIR CONDITIONING) - REPLACE WATER PUMP TO CORE ALL HOSES	D2780 D2787	- -	- -	- -	- -	- -	0.9 1.1	- 0.7
CORE,HEATER-REPLACE HEATER 2007 + New Cab AIC	D2822 D2823	2.2 1.7 3.8	2.2 1.7 3.8	2.2 1.7 3.8	2.2 1.7 3.8	1 - 1	0.9 - 1	3.2 - 3.2
AIC SYSTEM - LEAK TEST DISCHARGED SYSTEM NOTE: This labor operation to be used when necessary to partially charge (1 lb. max.) the AIC system to locate a leak. "Other Labor Hours" not allowed with this labor operation. This operation may only be claimed in conjunction with a failed part operation.	D3000	0.3	0.3	0.3	0.3	0.3	-	-
CORE, SCHRADER VALVE - REPLACE ADD: A - Recover/Recharge AIC System	D3020	0.2 1.3	0.2 1.3	0.2 1.3	0.2 1.3	0.2 0.5	1.4 0.5	1 0.5
SEALS, REFRIGERANT-O-RING - COMPRESSOR REPLACE ADD: A - Recover/Recharge AIC System	D3040	-	-	-	-	-	0.3 0.3	0.9 0.8

D4

Heating and Air Conditioning

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SEALS, REFRIGERANT O-RING - CONDENSER - REPLACE ADD: A - Recover/Recharge AIC System	D3041	-	-	-	-	-	0.5	0.5
SEALS, REFRIGERANT O-RING - EVAPORATOR - REPLACE ADD: A - Recover/Recharge AIC System	D3044	-	-	-	-	-	1.2 0.5	1.1 0.5
SEALS, REFRIGERANT O-RING - ACCUMULATOR - RPL. ADD: A - Recover/Recharge AIC System	D3045	-	-	-	-	-	1.2 0.5	0.7 0.5
SEALS, REFRIGERANT O-RING - PRESSURE SWITCH - RPL. ADD: A - Recover/Recharge AIC System	D3047	-	-	-	-	-	1 0.5	1 0.5
SEALS, REFRIGERANT O-RING - FILTER DRYER - REPLACE ADD: A - Recover/Recharge AIC System	D3048	-	-	-	-	-	1.3 0.5	0.7 0.5
HOSES, REFRIGERANT - ACCUMULATOR TO COMPRESSOR (SUCTION) - REPAIR ADD: A - Recover/Recharge AIC System	C3060	-	-	-	-	-	1.1 0.5	1.6 0.5
HOSES, REFRIGERANT - COOPRESSOR TO CONDENSER (DISCHARGE) - REPAIR ADD: A - Recover/Recharge AIC System	C3061	-	-	-	-	-	1.7 0.5	1.5 0.5
HOSES, REFRIGERANT - REPAIR RECEIVER DRIER TO EVAPORATOR EVAPORATOR TO COMPRESSOR ADD: A - Recover/Recharge AIC System	D3062 D3064	0.3 0.3	0.3 0.3	0.3 0.3	0.3 0.3	0.3 0.3	1.1 1.1	0.9 1.1
		1.3	1.3	1.3	1.3	0.5	0.5	0.5
HOSES AND/OR LINES, REFRIGERANT - REPLACE ACCUMULATOR CONDENSER INLET CONDENSER TO EVAPORATOR (LIQUID LINE) EVAPORATOR TO COMPRESSOR RECEIVER DRIER TO EVAPORATOR RECEIVER DRIER TO CONDENSER DEHYDRATOR TO CONDENSER FILTER DRYER TO CONDENSER ORIFICE TUBE TO EVAPORATOR ADD: A - Recover/Recharge AIC System	D3080 D3081 D3083 D3086 D3087 D3090 D3095 D3096 D3098	- 0.3 - 0.3 0.3 0.3 - - -	- 0.3 - 0.3 0.3 0.3 - - -	- 0.3 - 0.3 0.3 0.3 - - -	- 0.3 - 0.3 0.3 0.3 - - -	- 0.3 - 0.3 0.3 0.3 - - -	1.3 1.9 1.3 1.5 1.5 1.5 1.8 1.5 1.2	1 1 0.9 - 0.7 1.8 1.8 1.5 1.2
		1.3	1.3	1.3	1.3	0.5	0.5	0.5
CONDENSER-REPLACE ADD: A - Recover/Recharge AIC System B - Transfer fans, accumulator and other parts when replacing the condenser only.	D3140	1 1.3 -	1 1.3 -	1 1.3 -	1 1.3 -	1.7 0.5 1.5	2.9 0.5 1.5	0.9 0.5 -
RECEIVER DRIER - REPLACE ADD: A - Recover/Recharge AIC System	D3180	0.3 1.3	0.3 1.3	0.3 1.3	0.3 1.3	0.6 0.5	1.6 0.5	- -
TUBE, EXPANSION (ORIFICE) - REPLACE	C3200	-	-	-	-	-	-	0.8
VALVE, EXPANSION - REPLACE 2007 + New Cab ADD: A - Recover/Recharge AIC System	D3220	1.4 1.7 1.3	1.4 1.7 1.3	1.4 1.7 1.3	1.4 1.7 1.3	- - -	- - -	- - -

D5

Heating and Air Conditioning

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
DRYER, IN-LINE FILTER - REPLACE	C3250	-	-	-	-	-	-	0.7
ACCUMULATOR ASSEMBLY - REPLACE	D3280	-	-	-	-	-	2.3	0.8
ADD: A - Recover/Recharge A/C System		-	-	-	-	-	0.5	0.5
CORE, EVAPORATOR-REPLACE	D3320	1	1	1	1	2.7	0.4	3.4
INC: D&C electrical connections, R&R evap. cover from cowl, R&R cover and seal on reinstallation. R&R evaporator core. 2007 + New Cab		1.8	1.8	1.8	1.8	-	-	-
ADD: A - Recover/Recharge A/C System		1.3	1.3	1.3	1.3	0.5	1.3	1.3
PULLEY, IDLER AND/OR BRACKET - REPLACE	D4020	0.3	1.1	0.3	0.3	0.3	0.3	1.2
VALVE, COMPRESSOR - PRESSURE RELIEF - REPLACE	C4200	-	-	-	-	-	-	1.4
CLUTCH PLATE AND HUB ASSEMBLY, COMPRESSOR - REPLACE	D4240	1.2	2.5	1.2	1.2	0.7	0.7	0.9
INC: D&C compressor from mounting bracket, R&R hub and drive plate assy, check air gap and cycle clutch to seat mating parts.								
ADD: A - Recover/Recharge A/C System		1.3	1.3	1.3	1.3	0.5	0.5	0.5
Rotor And/Or Bearing, Compressor - Replace	C4260	-	-	-	-	-	-	1.4
COIL AND/OR PULLEY, COMPRESSOR CLUTCH- REPLACE	D4280	1.1	1.1	1.1	1.1	0.9	0.9	1.3
ADD: A - Recover/Recharge A/C System		1.3	1.3	1.3	1.3	0.5	0.5	0.5
actual time performing diagnosis.		0-3	0-3	0-3	0-3	0-3	0-3	0-3
SEAL, SEAT AND/OR "O" RING, COMPRESSOR SHAFT - REPLACE	D4300	1.7	1.7	1.7	1.7	1	1.6	1.4
INC: R&R clutch hub and drive plate assy and adj. belt tension.								
ADD: A - Recover/Recharge A/C System		1.3	1.3	1.3	1.3	0.5	0.5	0.5
HEAD, REED ASSEMBLY, GASKET AND/OR "O" RING, FRONT - REPLACE	D4320	1.7	1.7	1.7	1.7	1.1	1.6	-
ADD: A - Recover/Recharge A/C System		1.3	1.3	1.3	1.3	0.5	0.5	-
HEAD, REED ASSEMBLY, GASKET AND/OR "O" RING, REAR - REPLACE	D4335	2.1		2.1	1.2	1.2	1.2	-
ADD: A - Recover/Recharge A/C System		1.3	1.3	1.3	1.3	0.5	0.5	-
WASHERS, COMPRESSOR THRUST - REPLACE	4BD2-TC, 4HE1-TC D4360	2.6	2.6	2.6	-	-	-	-
A - Recover/Recharge A/C System		1.3	1.3	1.3	-	-	-	-
CYLINDER AND SHAFT ASSEMBLY, COMPRESSOR - REPLACE	4BD2-TC, 4HE1-TC D4420	2.6	2.6	2.6	-	-	-	-
ADD: A - Recover/Recharge A/C System		1.3	1.3	1.3	-	-	-	-
INTERNAL CYLINDER ASSEMBLY, COMPRESSOR- R&R	4BD2-TC, 4HE1-TC D4430	2.7	2.7	2.7	-	-	-	-
ADD: A - Recover/Recharge A/C System		1.3	1.3	1.3	-	-	-	-
B - To Recondition		0.5	0.5	0.5	-	-	-	-

D6

Heating and Air Conditioning

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
COMPRESSOR ASSEMBLY - REPLACE POLICY: A 4HE1-TC 4HK1-TC ADD: A - Recover/Recharge A/C System (exc. V8-EFI)	D4440	0.5	0.5	0.5	0.5	2.6	2.6	0.8
		1.4	1.4	1.4	-	-	-	-
		0.5	0.5	0.5	0.5	-	-	-
		1.3	1.3	1.3	1.3	0.5	0.5	0.5
A/C SYSTEM - ANALYZE Note: ACR2000 diagnostic check. Use this operation if no leaks were found or performance normal ADD: A - To Recover and Recharge A/C System	D4450	0.3	0.3	0.3	0.3	0.3	0.3	0.3
		0.4		0.4	0.4	0.4	0.4	0.4
Customer Concern Not Duplicated	D9995	-	-	-	-	-	.1-0.3	.1-0.3

E1

WHEELS AND TIRES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PULL AND TORQUE STEER ANALYSIS	E0100	0.4	0.4	0.4	0.4	0.4	0.4	0.4
WHEEL - BALANCE								
ONE	E0200	0.5	0.5	0.5	0.5	0.5	0.4	0.4
TWO	E0201	0.8	0.8	0.8	0.8	0.8	0.7	0.7
THREE	E0202	0.8	0.8	0.8	0.8	0.8	0.9	0.9
FOUR	E0203	1.8	1.8	1.8	1.8	1.8	1.1	1.1
SIX	E0204	2.2	2.2	2.2	2.2	2.2	1.4	1.4
WHEEL AND/OR TIRE - REPLACE								
INC: R&R wheel to hub. Dual wheels are considered as one wheel on dual wheeled models.								
ONE FRONT	E0420							
SIX STUD DISC WHEEL		0.3	0.3	0.3	0.3	0.3	-	-
EIGHT STUD DISC WHEEL		-	-	-	-	0.5	-	-
TEN STUD DISC WHEEL		-	-	-	-	-	0.9	0.9
REAR								
SIX STUD DISC WHEEL		0.5	0.5	0.5	0.5	0.5	-	-
EIGHT STUD DISC WHEEL		-	-	-	-	0.8	-	-
TEN STUD DISC (FLANGE TYPE)		-	-	-	-	-	0.9	0.9
ADD: A - To Replace Each Additional Wheel, Rim Or Tire								
OPPOSITE SIDE								
SIX STUD DISC WHEEL		0.2	0.2	0.2	0.2	0.2	-	-
EIGHT STUD DISC WHEEL		-	-	-	-	0.3	-	-
TEN STUD DISC WHEEL		-	-	-	-	-	-	-
REAR								
FIVE OR SIX STUD DISC		0.4	0.4	0.4	0.4	0.4	-	-
EIGHT STUD DISC WHEEL		-	-	-	-	0.6	-	-
TEN STUD DISC (FLANGE TYPE)		-	-	-	-	-	-	-
SAME SIDE REAR DUAL (ONE)		0.4	0.4	0.4	0.1	0.1	-	-
STUD, WHEEL MOUNTING - REPLACE								
INC: R&R wheel and hub as an assy.								
RIGHT FRONT	E0474							
LEFT FRONT	E0475							
SIX STUD DISC WHEEL (ONE)		0.9	0.9	0.9	0.8	0.8	-	-
SIX STUD DISC WHEEL (ALL)		1	1	1	1	1	-	-
EIGHT STUD DISC WHEEL (ONE)		-	-	-	-	1	-	-
EIGHT STUD DISC WHEEL (ALL)		-	-	-	-	1.3	-	-
TEN STUD DISC WHEEL (ONE)		-	-	-	-	-	0.7	0.7
TEN STUD DISC WHEEL (ALL)		-	-	-	-	-	-	-
RIGHT REAR	E0484							
LEFT REAR	E0485							
FIVE OR SIX STUD DISC WHEEL (ONE)		1.2	1.2	1.2	1.2	1.2	-	-
FIVE OR SIX STUD DISC WHEEL (ALL)		1.4	1.4	1.4	1.4	1.4	-	-
EIGHT STUD DISC WHEEL (ONE)		-	-	-	-	1.5	-	-
EIGHT STUD DISC WHEEL (ALL)		-	-	-	-	1.8	-	-
TEN STUD DISC WHEEL (ONE)		-	-	-	-	-	1.2	1.2
TEN STUD DISC WHEEL (ALL)		-	-	-	-	-	-	-

E2

FRAME								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
CUSHION, PAD AND/OR BOLT, BODY - R&R OR REPLACE								
MOUNT POSITION - CENTER								
RIGHT	E1155	-	-	-	-	0.2	0.9	-
LEFT	E1156	-	-	-	-	0.2	2.7	-
MOUNT POSITION - FRONT								
RIGHT	E1162	-	1.2	-	-	1.8	1.8	1.2
4DOOR								
LEFT	E1163	-	1.2	-	-	1.8	0.7	1.2
4DOOR								
MOUNT POSITION - REAR								
RIGHT	E1164	0.2	0.2	0.2	0.2	-	1.1	1.2
4DOOR								
LEFT	E1165	0.2	0.2	0.2	0.2	-	0.5	1.2
4DOOR								
CENTER	E1170	-	-	-	-	0.2	0.2	-
SPRING, REAR CAB MOUNT AIR - REPLACE	E1171	0.5	0.5	0.5	0.5	-	-	-
SHOCK ABSORBER, REAR CAB MOUNT - REPLACE	E1172	0.3	0.3	0.3	-	-	-	-
LATCH, CAB HOLD DOWN - REPLACE	E1300	-	-	-	-	0.2	-	-
SUPPORT, CAB CENTER - REPLACE	E1325	-	-	-	-	0.7	-	-
SUPPORT, CAB REAR - REPLACE								
DOES NOT INC. R & R Control	E1330	1.9	1.5	1.9	1.9	0.9	-	-
BAR, CAB TORSION - REPLACE								
UPPER	E1352	-	-	-	-	0.6	1.2	-
LOWER	E1353	-	-	-	-	0.6	2.7	-
BOTH	E1357	-	-	-	-	1.1	1.9	-
ONE PIECE	E1358	1.5	-	3.1	3.1	-	-	-
HOOK, CAB REAR HOLD DOWN SAFETY - REPLACE								
BOTH SIDES	E1400	0.4	-	0.4	0.4	0.4	0.4	-
LOCK ASSEMBLY, CAB REAR - R&R OR REPLACE								
INC: Raise and lower cab.								
RIGHT	E1410	0.3	-	0.3	-	-	-	-
4DOOR								
LEFT	E1411	0.3	-	0.3	0.3	-	-	-
BOTH	E1417	0.5	-	0.5	0.5	-	-	-
CROSS MEMBER, FRAME - REPLACE	E1770	0.5	0.5	0.5	0.5	0.5	1.1	1.1

E3

FRONT SUSPENSION								
OPERATION DESCRIPTION	OPERATION	NPR	N/W	NQR	NRR	FRR	FTR	HTR
	NUMBER	W3/W4	CREW	W4/W5	W5500HD	WT5500	FVR FXR	HVR HXR
TOE-IN, FRONT SUSPENSION - ADJUST	E2000	0.9	0.9	0.9	0.9	1.2	0.6	0.6
WHEEL ALIGNMENT - CHECK AND/OR ALIGN INC: Measure and Adjust Toe-in, adjust wheel bearing preload POLICY: S (Authorization required for sublet repairs) 5000, 5290, 6080, 7500 LB AXLE ADD: A - To Adjust Camber (One Side) B - To Adjust Camber (Both Sides) C - To Adjust Caster (One Side) D - To Adjust Caster (Both Sides)	E2020	1.2	1.2	1.2	1.2	1.5	-	-
SHAFT, FRONT STABILIZER - REPLACE	E2160	-	-	-	-	0.7	1.2	1.2
INSULATOR AND/OR BRACKET, FRONT STABILIZER AT SHAFT FRAME - REPLACE	E2180	-	-	-	-	0.4	0.3	0.3
BEARING, FRONT WHEEL - ADJUST	R E2220	0.4	0.4	0.4	0.4	0.6	0.6	0.6
	L E2221	0.4	0.4	0.4	0.4	0.6	0.6	0.6
	B E2227	0.6	0.6	0.6	0.6	1	1	0.9
Add: A - With Oil Filled Hub Caps		-	-	-	-	-	0.3	0.3
CAP, FRONT WHEEL HUB DUST - REPLACE	R E2230	-	-	-	-	0.2	0.2	0.2
	L E2231	-	-	-	-	0.2	0.2	0.2
	B E2237	-	-	-	-	0.3	0.3	0.3
Add: A - With Oil Filled Hub Caps		-	-	-	-	-	0.3	0.3

E4

FRONT SUSPENSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BEARING, FRONT WHEEL - REPLACE								
INC: R&R wheel, clean and pack inner and outer bearings, replace seal, fill oiler cap. NOTE: Maximum time not to exceed operation number E2267.								
INNER RIGHT Add: A - To Replace One Bearing Cup B - With Oil Filled Hub Caps	E2240	0.7	0.7	0.7	0.7	1.3	1.5	1.1
INNER LEFT Add: A - To Replace One Bearing Cup B - With Oil Filled Hub Caps	E2241	0.7	0.7	0.7	0.7	1.3	1.5	1.1
INNER BOTH Add: A - To Replace One Bearing Cup B - With Oil Filled Hub Caps	E2247	1.3	1.3	1.3	1.3	2.4	2.6	2.6
OUTER RIGHT Add: A - To Replace One Bearing Cup B - With Oil Filled Hub Caps	E2250	0.7	0.7	0.7	0.7	1.3	1.4	1.4
OUTER LEFT Add: A - To Replace One Bearing Cup B - With Oil Filled Hub Caps	E2251	0.7	0.7	0.7	0.7	1.3	1.4	1.4
OUTER BOTH Add: A - To Replace One Bearing Cup B - With Oil Filled Hub Caps	E2257	1.3	1.3	1.3	1.3	2.4	2.5	2.5
INNER AND OUTER RIGHT Add: A - To Replace One Bearing Cup B - With Oil Filled Hub Caps	E2260	0.7	0.7	0.7	0.7	2.4	1.5	1.5

E5

FRONT SUSPENSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BEARING, FRONT WHEEL - REPLACE (CONT'D)								
<p style="text-align: right;">INNER AND OUTER LEFT</p> <p>Add: A - To Replace One Bearing Cup B - With Oil Filled Hub Caps</p>	E2261	0.7	0.7	0.7	0.7	1.3	1.5	1.5
		-	-	-	-	-	0.1	0.1
		-	-	-	-	-	0.2	0.2
<p style="text-align: right;">INNER AND OUTER BOTH</p> <p>Add: A - To Replace One Bearing Cup B - With Oil Filled Hub Caps</p>	E2267	1.3	1.3	1.3	1.3	2.4	1.7	1.7
		-	-	-	-	-	0.1	0.1
		-	-	-	-	-	0.2	0.2
SEAL, FRONT WHEEL BEARING - REPLACE								
INC: Clean, inspect and repack inner and outer bearings. Replace bearings if nee.								
<p style="text-align: right;">RIGHT LEFT</p> <p>Add: A - With Oil Filled Hub Caps</p>	E2280 E2281	0.7	0.7	0.7	0.7	1.1	1.5	1.5
							0.2	0.2
<p style="text-align: right;">BOTH</p> <p>ADD: A - To Replace Inner Bearing Cup (Each) B - To Replace Outer Bearing Cup (Each) C - To Clean Or Replace Brake Shoes (One Wheel) D - With Oil Filled Hub Caps</p>	E2287	1.3	1.3	1.3	1.3	2	2.6	2.6
		0.1	0.1	0.1	0.1	0.1	-	-
		0.1	0.1	0.1	0.1	0.1	-	-
		0.2	0.2	0.2	0.2	0.3	-	-
							0.4	0.4
HUB ASSEMBLY, FRONT WHEEL - REPLACE								
INC:Tone rings on vehicle equipped with air anti-lock brakes. INC: R&R wheel, hub bearings, cups, drum, oil seal and hub studs. Inspect, lubricate and adjust wheel bearings.								
<p style="text-align: right;">RIGHT LEFT</p> <p>SIX STUD DISC HUB EIGHT STUD DISC HUB HUB</p> <p>A - With Oil Filled Hub Caps</p>	E2340 E2341	1.1	1.1	1.1	1.1	1.5	-	-
		-	-	-	-	1.6	-	-
		-	-	-	-	-	1.8	1.8
							0.2	0.2
<p style="text-align: right;">BOTH</p> <p>FIVE OR SIX STUD DISC HUB EIGHT STUD DISC HUB HUB</p> <p>A - With Oil Filled Hub Caps</p>	E2347	2	2	2	2	2.8	-	-
		-	-	-	-	3.1	-	-
		-	-	-	-	-	2.3	2.3
		-	-	-	-	-	0.4	0.4

E6

FRONT SUSPENSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
KNUCKLE ASSEMBLY, STEERING - REPLACE								
INC: R&R wheel, hub, steering knuckles, king pins and thrust bearings. Adjust and lubricate front wheel bearings, adjust brakes and set toe-in.								
DOES NOT INC: Rebush steering knuckles.								
RIGHT	E2520	1.8	1.8	1.8	1.8	2.4	2.7	2.7
LEFT	E2521	1.8	1.8	1.8	1.8	2.4	2.9	2.9
Add: With Oil Filled Hub Caps								
BOTH	E2527	3.1	3.1	3.1	3.1	4.4	4.4	5
Add: A - With Oil Filled Hub Caps								
B - To Replace Tie Rod End (Each Side)								
Both Sides								
STOP, STEERING KNUCKLE - ADJUST OR REPLACE								
RIGHT	E2560	0.2	0.2	0.2	0.2	-	0.2	0.2
LEFT	E2561	0.2	0.2	0.2	0.2	-	0.2	0.2
BOTH	E2567	0.3	0.3	0.3	0.3	-	0.3	0.3
BUSHINGS, STEERING KNUCKLE - REPLACE								
INC: R&R wheels, hubs, steering knuckles, king pins and thrust bearings. Replace bushings and fit pins. Adjust brakes, front wheel bearings and toe-in.								
RIGHT	E2760	2	2	2	2	-	1.2	1.2
LEFT	E2761	2	2	2	2	-	2.9	2.9
BOTH	E2767	3.6	3.6	3.6	3.6	-	4.1	4.1
KING PINS AND THRUST BEARINGS - REPLACE								
INC: R&R wheel, hub, steering knuckles, king pins and thrust bearings. Adjust and lubricate front wheel bearings, adjust brakes and set toe-in.								
DOES NOT INC: Rebush steering knuckles.								
RIGHT	E2960	1.7	1.7	1.7	1.7	2.3	2.8	2.8
Add: With Oil Filled Hub Caps								
LEFT	E2961	1.7	1.7	1.7	1.7	2.3	2.9	2.9
Add: With Oil Filled Hub Caps								
BOTH	E2967	3	3	3	3	4.1	4.1	5.2
ADD:								
A - To Replace Tie Rod End (Each)								
B - To Replace Wheel Cyl (One)								
C - To Replace Front Brake Shoes (Each Side)								
D - To Rebush Steering Knuckle (Each Side)								
E - With Oil Filled Hub Caps								

E7

FRONT SUSPENSION									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
SPRING ASSEMBLY, FRONT LEAF - R&R	RIGHT	E3120	0.8	0.8	0.8	1.4	1.4	1.4	2.1
	LEFT	E3121	0.8	0.8	0.8	1.4	1.4	1.4	2.1
	BOTH	E3127	1.4	1.4	1.4	2.5	2.5	2.5	3.9
	ADD:								
	A - To Replace Center Bolt (Each) B - To Rebush Front Spring Eye-Hanger End (Each)		0.3 0.3	0.3 0.3	0.3 0.3	0.3 0.3	0.3 0.3	0.3 0.3	0.3 0.3
SPRING ASSEMBLY, FRONT LEAF - REPLACE POLICY: A	RIGHT	E3130	0.8	0.8	0.8	0.8	1.4	1.8	1.8
	LEFT	E3131	0.8	0.8	0.8	0.8	1.4	1.8	2.1
	BOTH	E3137	1.4	1.4	1.4	1.4	2.5	2.9	2.9
	ADD:								
LEAVES, FRONT SPRING - REPLACE	RIGHT	E3140	1.2	1.2	1.2	1.2	1.9	-	-
	LEFT	E3141	1.2	1.2	1.2	1.2	1.9	-	-
	BOTH	E3147	2	2	2	2	3.3	-	-
	ADD:								
	A - To Rebush Front Spring Eye-Hanger End (Each)		0.3	0.3	0.3	0.3	0.3	-	-
HANGER, FRONT LEAF SPRING - REPLACE POLICY: T	RIGHT FRONT	E3160	1.5	1.5	1.5	1.5	1.5	0.5	0.5
	LEFT FRONT	E3161	1.5	1.5	1.5	1.5	1.5	0.5	0.5
	RIGHT REAR	E3170	-	-	-	-	0.8	0.6	0.6
	LEFT REAR	E3171	-	-	-	-	0.8	0.6	0.6
	ADD:								
	A - To Rebush Spring Eye (Each Eye)		-	-	-	-	0.3	-	-
BUSHING, FRONT SPRING EYE - REPLACE	FRONT								
	RIGHT	E3180	0.5	0.5	0.5	0.5	0.7	0.7	0.7
	LEFT	E3181	0.5	0.5	0.5	0.5	0.7	0.7	0.7
	FRONT (HANGER BRACKET END)								
	REAR								
	RIGHT	E3190	0.5	0.5	0.5	0.5	0.7	0.7	0.7
	LEFT	E3191	0.5	0.5	0.5	0.5	0.7	0.7	0.7
REAR (SHACKLE END)									
SHACKLE AND/OR PIN, FRONT SPRING - REPLACE	INC:Shackle end only.								
	RIGHT	E3200	0.3	0.3	0.3	0.3	0.8	1	1
	LEFT	E3201	0.3	0.3	0.3	0.3	0.8	1	1

E8

FRONT SUSPENSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BOLT, FRONT SPRING EYE (HANGER END) - REPLACE								
RIGHT	E3220	0.3	0.3	0.3	0.3	0.5	1	1
LEFT	E3221	0.3	0.3	0.3	0.3	0.5	1	1
BOTH	E3227	0.5	0.5	0.5	0.5	0.9	1.6	1.6
U-BOL T, FRONT SPRING - REPLACE								
INC: Both U-bolts.								
RIGHT	E3240	0.4	0.4	0.4	0.5	0.5	1.3	1.3
LEFT	E3241	0.4	0.4	0.4	0.5	0.5	1.3	1.3
AXLE, I-BEAM - REPLACE								
POLICY: K								
caster,								
toe-in and front wheel bearings. Clean, inspect and pack bearings. DOES NOT INC: Replacement of any parts except I-beam and U-bolts.								
	E3600	3.8	3.8	3.8	3.8	5.1	3.1	3.1
ADD:								
A - To Replace Wheel Cyl (One)								
		0.4	0.4	0.4	0.4	-	-	-
B - To Replace Front Brake Shoes (Each Side)								
		0.2	0.2	0.2	0.2	0.4	-	-
C - To Rebush Steering Knuckles (Each Side)								
		0.4	0.4	0.4	0.4	0.4	-	-
SHOCK ABSORBER, FRONT - REPLACE								
RIGHT	E3800	0.2	0.2	0.2	0.2	0.4	0.4	0.4
LEFT	E3801	0.2	0.2	0.2	0.2	0.4	0.4	0.4
BOTH	E3807	0.3	0.3	0.3	0.3	0.5	0.7	0.7

E9

REAR SUSPENSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BAR, REAR STABILIZER - REPLACE INSULATOR AND/OR SUPPORT, REAR STABILIZER REPLACE	E4160	0.5	0.5	0.5	0.5	0.4	0.7	0.7
RIGHT	E4180	0.4	0.4	0.4	0.4	0.4	0.3	0.3
LEFT	E4181	0.4	0.4	0.4	0.4	0.4	0.3	0.3
BOTH	E4187	0.6	0.6	0.6	0.6	0.6	0.5	0.5
BEARINGS, REAR WHEEL - ADJUST								
RIGHT	E4230	0.6	0.6	0.6	0.6	0.9	0.7	0.7
LEFT	E4231	0.6	0.6	0.6	0.6	0.9	0.7	0.7
BOTH	E4237	1	1	1	1	1.5	-	-
BEARINGS, REAR WHEEL - REPLACE								
POLICY: K INC:R&R wheel and hub as an assembly. INC: (Inner/outer bearings) Clean, inspect, lubricate and adjust bearings. Replace oil seal if nee. DOES NOT INC:Replace bearing cups								
RIGHT	E4240	1	1	1	1	1.4	1.8	1.8
LEFT	E4241	1	1	1	1	1.4	1.8	1.8
ADD: A - To Replace Inner Bearing Cup (One Wheel) B - To Replace Outer Bearing Cup (One Wheel) C - To Replace One Bearing Cup								
		0.2	0.2	0.2	0.2	0.2	-	-
		0.2	0.2	0.2	0.2	0.2	-	-
							0.1	0.1

E10

REAR SUSPENSION

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SEAL, REAR WHEEL BEARING INNER OIL (ONE REPLACE)								
POLICY: K								
INC: R&R wheel and hub as an assembly.								
INC: Clean, inspect, lubricate, and adjust bearings. Clean brake shoes.								
DOES NOT INC: Replace bearing cups.								
RIGHT	E4270							
LEFT	E4271							
EXCEPT R040		2	2	2	2	1.4	1.8	2
R040		1	1	1	1	-	-	-
Oil BATH REAR AXLE		-	-	-	-	1.1	-	-
ADD:								
A - To Replace Inner Bearing Cup (One Wheel) EXCEPT R040		0.2	0.2	0.2	0.2	0.2	-	-
R040		0.1	0.1	0.1	0.1	-	-	-
Oil BATH REAR AXLE		-	-	-	-	0.1	-	-
B - To Replace Outer Bearing Cup (One Wheel) EXCEPT R040		0.2	0.2	0.2	0.2	0.2	-	-
R040		0.2	0.2	0.2	0.2	-	-	-
Oil BATH REAR AXLE		-	-	-	-	0.1	-	-
C - To Replace Or Reline Brake Shoes (One Wheel) EXCEPT R040		0.6	0.6	0.6	0.6	0.6	-	-
R040		0.2	0.2	0.2	0.2	0.2	-	-
HUB ASSEMBLY, REAR WHEEL - REPLACE								
INC: Tone rings on vehicles with air anti-lock brakes.								
INC: R&R wheel, axle shaft, hub bearings, cups, oil seal and hub studs. Inspect, lubricate and adjust bearings.								
	E4370	-	-	-	-	-	2.2	2
	E4371	-	-	-	-	-	2.2	2
5 STUD DISC HUB		1.7	1.7	1.7	1.7	-	-	-
6 STUD DISC HUB		2	2	2	2	1.9	-	-
6 STUD DISC HUB (Oil BATH REAR AXLE)		-	-	-	-	2.2	-	-
8 STUD DISC HUB (Oil BATH REAR AXLE)		-	-	-	-	2.4	-	-
8 STUD DISC HUB		-	-	-	-	2.1	-	-
10 STUD DISC HUB (FLANGE TYPE)		-	-	-	-	-	-	-
BUMPER, AXLE-REPLACE								
	E4400	0.2	0.2	0.2	0.2	-	-	-
	E4401	0.2	0.2	0.2	0.2	-	-	-
	E4407	0.3	0.3	0.3	0.3	-	-	-
BOLT, REAR LEAF SPRING CENTER - REPLACE								
INC: D&C spring to axle and align spring leaves. R&R wheels on forward rear axle.								
DOES NOT INC: VARIABLE RATE								
	E5100	1.8	1.8	1.8	1.8	1.5	1.5	1.5
	E5101	1.8	1.8	1.8	1.8	1.5	1.5	1.5
	E5107	3.4	3.4	3.4	3.4	2.9	2	2
ADD:								
A - To Rebush Spring Eye (Either Side)		0.3	0.3	0.3	0.3	0.3	-	-

E11

REAR SUSPENSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SPRING ASSEMBLY, REAR LEAF - REPLACE								
INC: D&C spring at both hangers and axle. R&R auxiliary where nee. Replace combined auxiliary if nee. R&R front or rear wheels same side. DOES NOT INC: Rebushing.								
VARIABLE RATE								
RIGHT	E5130	1.6	1.6	1.6	1.6	1.3	1.1	1.2
LEFT	E5131	1.6	1.6	1.6	1.6	1.3	0.9	1.2
BOTH	E5137	3	3	3	3	2.4	2.3	3.2
LEAVES, REAR SPRING - REPLACE								
INC: Remove, disassemble, clean, replace leaves as nee. Assemble and replace spring. R&R auxiliary spring where nee. Replace auxiliary spring leaves if nee. DOES NOT INC: Rebushing.								
VARIABLE RATE								
RIGHT	E5140	1.8	1.8	1.8	1.8	1.9	1.8	1.8
LEFT	E5141	1.8	1.8	1.8	1.8	1.9	1.8	1.8
BOTH	E5147	3.4	3.4	3.4	3.4	3.5	3.6	3.6
BUSHING, REAR LEAF SPRING EYE - REPLACE								
RATE								
RIGHT	E5180	0.6	0.6	0.6	0.6	0.7	0.6	0.6
LEFT	E5181	0.6	0.6	0.6	0.6	0.7	0.6	0.6
BOTH	E5187	0.9	0.9	0.9	0.9	1.1	1.1	1.1
SHACKLE AND/OR BUSHING, REAR LEAF SPRING - REPLACE								
RIGHT	E5200	0.6	0.6	0.6	0.6	0.6	0.5	0.5
LEFT	E5201	0.6	0.6	0.6	0.6	0.6	0.5	0.5
BOTH	E5207	0.9	0.9	0.9	0.9	1.1	0.6	0.6
SHACKLE PINS, REAR SPRING - REPLACE								
RIGHT	E5210	0.4	0.4	0.4	0.4	0.5	-	-
LEFT	E5211	0.4	0.4	0.4	0.4	0.5	-	-
BOTH	E5217	0.5	0.5	0.5	0.5	0.7	-	-

E12

REAR SUSPENSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
U-BOLT OR RETAINING BOLT, REAR LEAF SPRING - REPLACE								
INC: Both U-Bolts or Retaining Bolts.								
VARIABLE RATE								
RIGHT	E5220	0.7	0.7	0.7	0.7	0.6	0.5	0.7
LEFT	E5221	0.7	0.7	0.7	0.7	0.6	0.5	0.5
BOTH	E5227	1.1	1.1	1.1	1.1	1.1	1	1
BOLT, REAR LEAF SPRING EYE OR LINK - REPLACE								
RATE								
RIGHT	E5240	0.4		0.4	0.4	0.4	0.2	0.5
LEFT	E5241	0.4		0.4	0.4	0.4	0.2	0.5
BOTH	E5247	0.5		0.5	0.6	0.6	0.4	0.8
PLATE AND/OR CAPS, MAIN REAR SPRINGS - REPLACE								
RIGHT	E5440	0.7	0.7	0.7	0.7	0.6	0.8	0.8
LEFT	E5441	0.7	0.7	0.7	0.7	0.6	0.8	0.8
BOTH	E5447	1.1	1.1	1.1	1.1	1.1	1.5	1.5
SADDLE, REAR SPRING - RIGHT - REPLACE								
	E5460	-	-	-	-	-	1.8	1.8
SADDLE, REAR SPRING - LEFT - REPLACE								
	E5461	-	-	-	-	-	1.8	1.8
SADDLE, REAR SPRING - BOTH - REPLACE								
	E5467	-	-	-	-	-	3.5	3.5
BRACKET, TORQUE ROD - REPLACE								
	E5490	-	-	-	-	-	0.7	0.7
ROD, TORQUE - FRONT - R&R OR REPLACE								
	E5502	-	-	-	-	-	0.5	0.5
ROD, TORQUE - REAR - R&R OR REPLACE								
	E5503	-	-	-	-	-	0.6	0.6
ROD, TORQUE - BOTH - R&R OR REPLACE								
	E5507	-	-	-	-	-	0.8	0.8
EQUALIZING BEAM ASSEMBLY - RIGHT R&R								
	E5520	-	-	-	-	-	4.7	4.7
EQUALIZING BEAM ASSEMBLY - LEFT R&R								
	E5521	-	-	-	-	-	4.7	4.7
EQUALIZING BEAM ASSEMBLY - BOTH R&R								
	E5527	-	-	-	-	-	6.8	6.8
Add:								
A - To Replace Equalizing Beam Center Bushing								
		-	-	-	-	-	0.5	0.5
B - To Replace Equalizing Beam End Bushings								
		-	-	-	-	-	0.5	0.5
EQUALIZING BEAM ASSEMBLY - RIGHT - REPLACE								
	E5530	-	-	-	-	-	3	3
EQUALIZING BEAM ASSEMBLY - LEFT - REPLACE								
	E5531	-	-	-	-	-	3	3
EQUALIZING BEAM ASSEMBLY - BOTH - REPLACE								
	E5537	-	-	-	-	-	3	3
BRACKET, REAR AUXILIARY SPRING - REPLACE								
RIGHT	E5540	0.5	0.5	0.5	0.5	-	-	-
LEFT	E5541	0.5	0.5	0.5	0.5	-	-	-
SPRING ASSEMBLY, REAR AUXILIARY - REPLACE								
RIGHT	E5550	-	-	-	-	1.6	0.7	0.7
LEFT	E5551	-	-	-	-	1.6	0.7	0.7
BOTH	E5557	-	-	-	-	2.9	1.2	1.2
SHOCK ABSORBER, REAR - REPLACE								
RIGHT	E5800	0.2	0.2	0.2	0.2	-	0.2	0.2
LEFT	E5801	0.2	0.2	0.2	0.2	-	0.2	0.2
BOTH	E5807	0.3	0.3	0.3	0.3	-	0.3	0.3

E13

REAR SUSPENSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SPRING, AIR SUSPENSION - REPLACE	E6000	-	-	-	-	-	1	1
HEIGHT LEVELING VALVE, AIR SUSPENSION - REPLACE	E6002	-	-	-	-	-	0.7	1.2
RELIEF VALVE, AIR SUSPENSION - REPLACE	E6004	-	-	-	-	-	0.6	1.3
RELIEF VALVE SWITCH, AIR SUSPENSION - REPLACE	E6006	-	-	-	-	-	1	1
MAIN SUPPORT BEAM, AIR SUSPENSION - REPLACE	E6010	-	-	-	-	-	1	1

E14

STEERING								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
EMBLEM AND/OR PAD, HORN BUTTON - REPLACE	E7010	0.2	0.2	0.2	0.2	0.2	0.3	0.4
WHEEL, STEERING - REPLACE	E7020	0.2	0.2	0.2	0.2	0.3	0.3	0.3
LEVER, TURN SIGNAL - REPLACE	E7050	0.5	0.5	0.5	0.5	0.3	0.5	0.7
CAP, STEERING COLUMN HOUSING - R&R OR RPL.	E7075	-	-	-	-	-	0.4	0.4
LEVER, TILT WHEEL - REPLACE	E7080	0.2	0.2	0.2	0.2	0.1	0.4	0.4
HORN CONTACT AND/OR CANCELLING CAM - REPLACE	E7100	0.5	0.5	0.5	0.5	0.3	0.8	0.8
ADD: A - To Replace Upper Bearing And/Or Horn Wire Diagnosis time - You may claim up to the allowable labor hours depending on actual time performing diagnosis.		0.4	0.4	0.4	0.4	0.6	0.6	0.6
		0 - 0.3	0 - 0.3	0 - 0.3	0 - 0.3	0 - 0.3		
CYLINDER, IGNITION LOCK - R&R OR REPLACE	E7200	0.7	0.7	0.7	0.7	0.7	0.4	1.2
CASE, IGNITION LOCK CYLINDER (PASSLOCK) - REPLACE	E7202	-	-	-	-	-	1.3	1.5
COVER, LOCK HOUSING - REPLACE	E7220	-	-	-	-	-	1.4	1.3
STEERING COLUMN UPPER TRIM COVER REPLACEMENT	E7230	-	-	-	-	-	1.1	0.6
STEERING COLUMN LOWER TRIM COVER REPLACEMENT	E7231	-	-	-	-	-	1.1	0.2
COVER, STEERING COLUMN - BOTH - R&R OR REPLACE	E7237	-	-	-	-	-	1.4	0.8
BOWL, STEERING COLUMN SHIFT - STANDARD - REPLACE	E7240	-	-	-	-	-	1.3	1.4
SHIFT ASSEMBLY, LINEAR - REPLACE	E7260	-	-	-	-	-	1.4	1.4
BEARING AND/OR BUSHING, UPPER - STANDARD - REPLACE	E7320	-	-	-	-	-	1	1
BEARING AND/OR BUSHING, UPPER - REPLACE TILT	E7321	0.8	0.8	0.8	0.8	0.8	1	1
SHAFT AND/OR SPHERE ASSEMBLY - REPLACE	E7400	-	-	-	-	-	1.4	1.4
SHAFT, STEERING ASSEMBLY - R&R OR REPLACE								
INC: R&R steering wheel, directional signal. Adjust steering wheel height.	E7442	1.6	1.6	1.6	1.6	0.7	1.1	1.1
LOWER	E7443	1.6	1.6	1.6	1.6	0.4	1.3	1.3
COUPLING, SPLINED SHAFT OR INTERMEDIATE SHAFT INC: Recondition slip joint.	E7446	-	-	-	-	0.8	0.8	0.8
SHAFT, STEERING ASSEMBLY - ONE PIECE - R&R OR SPRING AND/OR GUIDE, STEERING COLUMN TILT - RPL.	E7447	-	-	-	-	-	-	1.4
	E7457	-	-	-	-	-	-	1.3
LOCKING PARTS, RACK/SECTOR/LOCK BOLT/ACTUATOR ROD STEERING COLUMN - STANDARD - REPLACE	E7500	-	-	-	-	-	1.3	1.3
LOCKING PARTS, RACK/SECTOR/LOCK BOLT/ACTUATOR ROD - STEERING COLUMN - TILT - REPLACE	E7501	-	-	-	-	-	1.2	1.2
BEARING AND/OR BUSHING, STEERING SHAFT LOWER - REPLACE	E7620	1.7	1.7	1.7	1.7	1.8	1.3	1.3
COLUMN ASSEMBLY, STEERING - R&R	E7660	1.6	1.6	1.6	1.6	1.2	0.6	-
COLUMN ASSEMBLY, STEERING - REPLACE	E7680	1.6	1.6	1.6	1.6	1.2	0.9	0.8
SHAFT, STEERING INTERMEDIATE - REPLACE	E7700	-	-	-	-	-	0.7	0.7

E15

STEERING								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
UNIVERSAL JOINT, STEERING SHAFT - R&R OR REPLACE								
UPPER	E7782	1.7	1.7	1.7	1.7	1.5	1.5	-
LOWER	E7783	1.7	1.7	1.7	1.7	0.2	0.2	-
ALL	E7787	2.1	2.1	2.1	2.1	1.9	0.9	-
ARM, PITMAN - REPLACE								
	E7900,	0.4	0.4	0.4	0.4	0.6	0.4	0.4
SEAL, PITMAN SHAFT - REPLACE INTEGRAL SYSTEM								
	E7920	0.4	0.4	0.4	0.4	0.6	0.4	1.2
DOES NOT INC: Check and adjust toe-in								
LINK, DRAG - REPLACE								
	E7940	0.5	0.5	0.5	0.5	0.9	0.8	0.8
ADD:								
A - To Replace Pitman Arm								
		0.4		0.4	0.4	0.4	-	-
TIE ROD END AND/OR ADJUSTER SLEEVE - REPLACE								
INC: Check and adjust toe-in.								
RIGHT	E8060	0.8	0.8	0.8	0.8	1	1.2	0.4
LEFT	E8061	0.8	0.8	0.8	0.8	1	1.2	0.4
BOTH	E8067	1.2	1.2	1.2	1.2	1.4	1.5	0.6
TIE ROD ASSEMBLY - R&R OR REPLACE								
	E8080	1.2	1.2	1.2	1.2	1	1.5	1
INC: Check and adjust toe-in.								
ARM, STEERING KNUCKLE - REPLACE								
INC: Adjust toe-in. R&R wheel and hub assy when nee.								
DOES NOT INC: Check caster or camber.								
RIGHT	E8100	0.9	0.9	0.9	0.9	1	1	1
LEFT	E8101	0.9	0.9	0.9	0.9	1	1	1
LEFT UPPER	E8105	-	-	-	-	0.8	1	1
CAP, POWER STEERING PUMP RESERVOIR - REPLACE								
	E8300	0.2	0.2	0.2	0.2	0.2	0.2	0.2
PULLEY, POWER STEERING PUMP - REPLACE								
	E8360	-	-	-	-	-	0.3	0.3
VALVE, POWER STEERING PUMP FLOW CONTROL-REPLACE								
	E8440	0.4	0.4	0.4	0.4	0.4	0.6	0.6
to the allowable labor hours depending on actual time performing time performing diagnosis.								
on actual time performing diagnosis.								
		0-5	0-5	0-5	0-5	0-5	0-5	0-5
HOSES, POWER STEERING HYDRAULIC- REPLACE								
INC: Bleed and refill reservoir.								
PUMP TO GEAR								
PRESSURE	E8642	0.5	0.5	0.5	0.5	0.5	0.9	0.5
RETURN	E8643	0.3	0.3	0.3	0.3	-	0.8	0.8
Both	E8647	-	-	-	-	-	1.3	
HOSE, POWER STEERING AUXILIARY RESERVOIR - REPLACE								
	E8800	0.4	0.4	0.4	0.4	0.5	0.5	0.5
COOLER, POWER STEERING OIL HYDRAULIC - REPLACE								
	E8940	-	-	-	-	-	0.9	0.9

E16

STEERING								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PUMP ASSEMBLY, POWER STEERING- R&R INC: Bleed hydraulic system. V-8 EFI 4HE1-TC ADD: A - To Replace Reservoir And/Or "0" Ring Seal B - To Recondition Pump	E9040	0.6	0.6	0.6	0.6	0.8	1.2	1.2
	0.9	1.7	1.7	-	-	-	-	-
	0.8	0.9	-	0.9	-	-	-	-
	0.1	0.1	0.1	0.1	0.1	0.1	-	-
	0.8	0.8	0.8	0.8	0.8	1.1	-	-
PUMP ASSEMBLY, POWER STEERING - REPLACE 2007 + New Cab	E9050	1.3	1.3	1.3	1.3	1.3	1.2	1.2
1.2	1.2	1.2	1.2	1.2	-	-	-	
RESERVOIR ASSEMBLY, POWER STEERING FLUID (REMOTE) - REPLACE INC: Bleed hydraulic system.	E9100	1.2	1.2	1.2	1.2	1.3	1	0.9
GEAR ASSEMBLY, POWER STEERING - ADJUST GEAR ASSEMBLY, POWER STEERING - R&R INC: R&R steering gear assy, drain and refill, bleed hydraulic system.	E9700	0.8	0.8	0.8	0.8	0.4	0.6	0.6
INTEGRAL SYSTEM ADD: A - To Replace Side Cover <i>And/Or</i> "0" Ring Seal B - To Replace End Cover <i>And/Or</i> "0" Ring Seal C - To Recondition Valve Body Assembly D - To Recondition Rack Piston Assembly Integral E - To Replace Housing F - To Recondition <i>P/S</i> Gear (Complete)	E9720	0.8	0.8	0.8	0.8	1.6	1.6	1.9
0.4	0.4	0.4	0.4	0.4	0.6	0.6	-	-
0.4	0.4	0.4	0.4	0.4	0.3	0.3	-	-
0.6	0.6	0.6	0.6	0.6	-	-	-	-
0.6	0.6	0.6	0.6	0.6	-	-	-	-
0.9	0.9	0.9	0.9	0.9	0.7	0.7	-	-
1.3	1.3	1.3	1.3	1.3	1.7	1.7	-	-
Diagnosis Time using Power Steering Analyzer: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	0-.5	0-.5	0-.5	0-.5	0-.5	0-.5	0.5	-
GEAR ASSEMBLY, POWER STEERING - REPLACE Diagnosis Time using Power Steering Analyzer: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	E9740	0.8	0.8	0.8	0.8	1.6	2.3	2.3
0-.5	0-.5	0-.5	0-.5	0-.5	0-.5	0-.5	0.5	-

F1

AXLE AND DIFFERENTIAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
ANGULARITY, DRIVE LINE - CHECK AND CORRECT INC: D & C propeller shafts.	F0020	0.5	0.5	0.5	0.5	0.5	1.3	2.3
BEARING, CENTER SUPPORT - REPLACE POLICY: K INC: D&C front and intermediate U-joints. R&R center bearing support to frame. R&R propeller shaft and hanger bearing to shaft.	F0040	1.1	1.1	1.1	1.1	1.2	1	1.6
SLIP JOINT, PROPELLER SHAFT (BETWEEN TRANS & REAR DIFFERENTIAL)- REPLACE POLICY: K SPICER 1550 TYPE INC:D&C yoke. Install slip joint and lubricate	F0060	-	-	-	-	0.5	1	1
UNIVERSAL JOINT, PROPELLER SHAFT - REPLACE POLICY: K								
FRONT F1002	1	1	1	1	1	1	1.2	1.2
ADD: A - W/Hanger Bearing	-	-	-	-	-	-	-	-
B - To Replace Trans Companion Flange W/INTERNAL EXPANDING BRAKE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
REAR F1003	1		1	1	1	1	1.2	1.2
INTERMEDIATE F1006 Without Slip Joint	1.1	1.1	1.1	1.1	1.1	- 0.7	1.5	1.5
-	-	-	-	-	-	-	-	-
PROPELLER SHAFT, FRONT - REPLACE POLICY: K INC:D&C one U-joint and remove propeller shaft from slip joint Where hanger bearing is used, D&C front and intermediate U-joints. R&R hanger bearing support to frame and R&F hanger bearing to shaft. NOTE: This operation also to be used for single prop shaft units.								
F1200	1.1	1.1	1.1	1.1	1.1	1.1	1	1
ADD: A - To Replace Trans Companion Flange	0.3	0.3	0.3	0.3	0.3	0.4	0.4	-
PROPELLER SHAFT, INTERMEDIATE - REPLACE POLICY: K	F1220	1.2	1.2	1.2	1.2	1.2	1.2	1.4

F2

AXLE AND DIFFERENTIAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PROPELLER SHAFT, REAR - REPLACE POLICY: K INC: D&C rear U-joint. Remove splined shaft from slip joint ADD: A - To Replace Pinion Shaft Companion Flange	F1240	0.6		0.6	0.6	0.6	0.5	1.3
		0.4		0.4	0.4	0.4	0.4	-
PROPELLER SHAFT, INTERMEDIATE AXLE - REPLACE	F1250	-	-	-	-	-	0.9	0.9
SHAFT, AXLE-REPLACE POLICY: K NOTE: In addition to replacing axle shafts, this operation is to be used when replacing axle shaft flange gaskets and/or seals DOES NOT INC: Additional operations which may be required to remove a broken axle shaft								
RIGHT	F1540	0.3	0.3	0.3	0.3	0.3	0.5	0.5
LEFT	F1541	0.3	0.3	0.3	0.3	0.3	0.5	0.5
ADD: A - To Replace Wheel Bearings (Either Side) B - To Replace Broken Axle Flange Studs		1.2	1.2	1.2	1.2	1.1	-	-
		0.3	0.3	0.3	0.3	0.3	-	-
SHAFT, AXLE - REAR TANDEM - RIGHT - REPLACE	F1550	-	-	-	-	-	1	1
SHAFT, AXLE - REAR TANDEM - LEFT - REPLACE	F1551	-	-	-	-	-	1	1
SEAL, PINION SHAFT OIL - REPLACE POLICY: K INC: D&C U-joint. R&R pinion flange and pinion oil seal retainer DOES NOT INC: R&R differential carrier assy	F2024	0.6	0.6	0.6	0.6	1	1.4	1
SEAL, PINION SHAFT OIL - REAR TANDEM - REPLACE	F2025	-	-	-	-	-	1.2	1.2
CARRIER ASSEMBLY - R&R POLICY: K INC: Drain and refill differential, D&C U-joint and R&R carrier assy to axle housing, replace gasket DOES NOT INC: Adjustment or replacement of any parts								
SINGLE SPEED - SINGLE AXLE	F2124	2.3	2.3	2.3	2	2	3.8	4.1
ADD: A - To Mount Carrier In Work Stand B - To Adjust Side Bearings And Gear Lash		0.5	0.5	0.5	0.5	0.5	-	-
SINGLE SPEED - SINGLE AXLE		0.6	0.6	0.6	1.1	1.1	-	-
EATON - 23065S		-	-	-	-	-	-	-
TWO SPEED - SINGLE AXLE		-	-	-	-	-	-	-
EATON - E17221, E22221		-	-	-	-	-	-	-
SPICER-M220T		-	-	-	-	-	-	-
C - To Replace Side Bearings INC: Add B.		1.3	1.3	1.3	1.6	1.6	-	-
SINGLE SPEED - SINGLE AXLE		-	-	-	-	-	-	-
EATON - 23065S		-	-	-	-	-	-	-
TWO SPEED - SINGLE AXLE		-	-	-	-	-	-	-
EATON - E17221, E22221		-	-	-	-	-	-	-
SPICER-M220T		-	-	-	-	-	-	-

F3

AXLE AND DIFFERENTIAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
CARRIER ASSEMBLY - R&R (CONT'D) D - To Replace Pinion Bearings INC:Add B. <div style="text-align: right;"> SINGLE SPEED - SINGLE AXLE TWO SPEED - SINGLE AXLE </div> E - To Replace All Bearings INC:Adds B,C,D. <div style="text-align: right;"> SINGLE SPEED - SINGLE AXLE TWO SPEED - SINGLE AXLE </div> F - To Replace Pinion Shaft Oil Seal - Except Eaton, Spicer NOTE: INCLUDED IN ADD D,E. <div style="text-align: right;"> REAR AXLE </div> G - To Replace Carrier Assembly - Except Eaton, Spicer	F2124	1.3 -	1.3 -	1.3 -	2.6 -	2.6 2.7	- -	- -
CARRIER ASSEMBLY COMPLETE - RECONDITION POLICY: K INC: R&R carrier assy mount in work stand and perform all required replacements and adjustments. <div style="text-align: right;"> SINGLE SPEED - SINGLE AXLE </div>	F2134	4.9	4.9	4.9	4.9	8	6.1	6.1
CARRIER ASSEMBLY COMPLETE - REAR TANDEM -	F2135	-	-	-	-	-	7.1	7.1
PAD, CARRIER RING GEAR THRUST - ADJUST	F2620	-	-	-	-	-	0.4	0.4
SEAL, THRU - SHAFT OUTPUT - REPLACE	F2680	-	-	-	-	-	0.9	0.9
SHAFT, THRU-SHAFT OUTPUT - REPLACE	F2683	-	-	-	-	-	1.2	1.2
BEARING AND/OR HOUSING, THRU-SHAFT - REPLACE	F2684	-	-	-	-	-	1.6	1.6
RETAINER, THRU-SHAFT OUTPUT BEARING - REPLACE	F2685	-	-	-	-	-	0.7	0.7
VALVE, LOCKOUT AIR CONTROL ASSEMBLY - R&R OR REPLACE	F2700	-	-	-	-	-	0.9	0.9
SOLENOID, ELECTRICALLY CONTROLLED AIR AXLE SHIFT REPLACE Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	F2710	-	-	-	-	-	1 0-3	1 0-3
LINE, AIR (AXLE CONTROL) - REPLACE	F2720	-	-	-	-	-	0.7	0.7
HOSE, AIR LINE (AXLE CONTROL) - REPLACE	F2740	-	-	-	-	-	0.5	0.5
CHAMBER OR CYLINDER, AIR AXLE SHIFT - R&R OR REPLACE	F2750	-	-	-	-	-	1 1.3	
CHAMBER OR CYLINDER, AIR DIFFERENTIAL LOCKOUT R&R OR REPLACE	F2810	-	-	-	-	-	1.3	
SHIFT ASSEMBLY, AXLE (ELECTRIC) - R&R OR REPLACE Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	F2820	-	-	-	-	-	0.6 0-3	0.6 0-3
SHIFT ASSEMBLY, AXLE (ELECTRIC) - R&R OR REPLACE Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	F2840	-	-	-	-	-	0.7 0-3	0.7 0-3

F4

AXLE AND DIFFERENTIAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SWITCH, AXLE SHIFT MOTOR - REPLACE Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	F2860	-	-	-	-	-	0.5	0.5
BLOCK, AXLE SHIFT SLIDING - REPLACE	F2880	-	-	-	-	-	0.9	0.9
SWITCH, AXLE SHIFT CONTROL - REPLACE Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	F2900	-	-	-	-	-	0.4	0.4
CIRCUIT BREAKER, AXLE SHIFT - REPLACE	F2920	-	-	-	-	-	0.4	0.4
HOUSING, AXLE - REPLACE POLICY: K INC: R&R axle assy. R&R carrier and parts not furnished with new axle housing. Adjust service brakes DOES NOT INC: Recondition diff carrier assy or replace hubs or hub bearings. REAR SINGLE SPEED Oil BATH REAR AXLE ADD: A - W/Hydraulic Brakes	F3062	4.4	4.4	4.4	4.4	7.1	3.8	3.8
		-	-	-	-	5.4	-	-
		0.4	0.4	0.4	0.4	0.4	-	-
HOUSING, AXLE - REAR TANDEM - REPLACE	F3063	-	-	-	-	-	4.9	4.9
AXLE ASSEMBLY, REAR - REPLACE POLICY: K DOES NOT INC: Recondition diff assy or any other repair or inspection operations. SINGLE SPEED	F3262	3.3	3.3	3.3	3.8	3.8	4.3	4.3
AXLE ASSEMBLY, REAR - TANDEM - REPLACE	F3263	-	-	-	-	-	3.6	3.6
VENTILATOR, AXLE-REPLACE	F3270	0.3	0.3	0.3	0.3	0.3	0.2	0.5
CUSTOMER CONCERN NOT DUPLICATED	F9995	0.3	0.3	0.3	0.3	0.3	0-3	0-3

ISUZU COMMERCIAL TRUCK OF AMERICA

WARRANTY LABOR TIME GUIDE

IN THIS SECTION

- FOREWORD
- ABBREVIATIONS
- TROUBLE CODES
- USING THE LABOR TIME GUIDE
- REQUEST FOR REVIEW FORM

COMMERCIAL VEHICLE FLAT RATE MANUAL FOREWORD

This Foreword section provides essential information for the proper and accurate use of the Isuzu Commercial Medium Duty Labor Time Guide. (Medium Duty Vehicles including GM-W Series)

Publication Format

This publication provided in an Adobe PDF file format and is accessed using Adobe Reader 8 available from Adobe Systems. For a free download, visit the Adobe site at <http://www.adobe.com>.

The Labor Time Guide consists of individual PDF files (Chapters or Sections) allowing easy word searches. (See "Searching the Labor Time Guide" section for instructions on searching)

PAGE FORMAT

Reading from left to right are the "Operation Descriptions" followed by the "Operation Numbers". On the right hand side of the page is an area designating the vehicles by model with their corresponding times.

LABOR TIME ALLOWANCES

The "LABOR TIME ALLOWANCES" published have been developed and provided by the manufacturer. They were established using standard production models. Standard technicians' hand tools, dealer essential and available tools are used in performing the labor time studies. No power operated tools are used for labor time study development. Procedures outlined in the Service Manuals, Service Publications and good shop practices are used when developing the times for the Labor Time Guide.

The established labor times include the actual time required to perform the operation plus an additional allowance for operating variables and diagnostics. Established labor times do not include time to remove and replace components other than manufacturer options and accessories.

"NEXT TO" OPERATION

The Labor Time Guide is not intended to list all possible Labor Operations, because to place all such data in the Guide would make it difficult to use. Therefore, two situations may occur when performing a repair, 1) no labor operation

number or operation description is listed for the repair performed; and/or 2) a hyphen appears in the labor time column for a specific model. When a hyphen appears for a specific operation number, it **CANNOT** be used to apply for warranty compensation, even if the vehicle is equipped with the component. In both instances, (1 and 2), it will be necessary to use a "NEXT TO" operation for warranty claim submissions.

Selection of a "NEXT TO" labor operation should be from a labor operation **valid** to the model and is as close to the actual labor performed with less than or equal to labor time. Warranty compensation for repairs where the **"NEXT TO"** labor time is less than the actual time for the repair will require obtaining an authorization for "additional labor" from your District Service & Parts Manager.

GLOSSARY OF TERMS

Operation Descriptions

Each labor "OPERATION DESCRIPTION" identifies the repair that is allowable on the component.

Add Conditions

Additional time allowances, which may be required for performing an Operation, or supplement an Operation, are included in the "ADD" sections under the operation description. Each "ADD" is preceded by a letter designation which should be placed on the shop repair order under the Operation Number if the "ADD" is performed.

Exchange

The word "EXCHANGE" is used when the component is involved in a vendor exchange program, i.e. radios.

Replace

The word "REPLACE" is used when the part or assembly is subject to replacement only.

R&R

"R & R" indicates that the part or assembly is repairable and can be removed, repaired, and reinstalled. This can be a labor only operation.

REPAIR ALIGN ADJUST TIGHTEN

The above or preceding descriptions indicate the type of work (repair) to be performed. These can also be labor only operations.

R & R or Replace

The "R&R OR REPLACE" notation indicates the part or assembly can be repaired, aligned, or adjusted on the vehicle or removed, repaired, and/or reinstalled or replaced, depending on the extent of failure. This can be a labor only operation when no part or assembly is required.

Recondition

When "RECONDITION" is used, an assembly is removed from the vehicle, disassembled, cleaned, inspected, reconditioned with same or new parts, reinstalled and adjusted. When this term is used in an "ADD" Operation, it does not include Remove and Reinstall, but only that work necessary to recondition an assembly once it is removed from the vehicle.

Includes

The "INCLUDES" which follows some of the descriptions are "highlights" provided to assist in knowing whether or not certain items or functions are included within the operation. These **are not all encompassing** because to place all such data in the Guide would make it difficult to use. If there are any questions as to whether something is included or not, the Request to Review form may be used to question or recommend changes.

Notes

Throughout this Labor Time Guide, various "NOTES" will be inserted to assist in the use of the Guide.

Policy Codes

The "POLICY CODES" applicable to any labor operation(s) are noted under the major operation description. Each letter indicates a policy as it applies to an Operation. Some operations may have multiple policy codes. Policy Codes and Descriptions used are:

- A - Requires Authorization
- C – Eligible Labor Operations for Certified Engine Repair Dealers (IECSC)
- E - Emission Related Operation
- K - Engine and Drivetrain Warranties
- S - Sublet

The "E" indicators designate labor operations that do not require authorization (unless accompanied by an "A" indicator) when performed within the applicable Emissions warranty period.

Those Engine and Power train repairs identified with "K" may be covered beyond the basic New Vehicle Warranty. This includes instances where an Engine may have a warranty beyond the Basic Warranty for the Vehicle.

Diagnosis/Additional Labor Time "Repair diagnosis" time is included in most labor time operations. In some instances additional diagnosis time is allowed and identified by a note below the Labor Operation description.. Your DSPM should be contacted for assistance in circumstances requiring extensive diagnosis. It is reasonable to assume that "Additional Labor Time" may be required when unusual conditions are encountered. Warranty compensation for extensive diagnosis/additional time requires that the claim meet punch time procedures and be approved by the DSPM.

3 C's, Additional Hours and Autho Comment Requirements.

The Complaint, Cause and Correction are required comments for warranty claims. Comments are also required for "Additional Hours" . "Other" comments are required for all claims submitted with an "Autho" code.

Request For Review

Questions and/or suggestions regarding labor operations or labor time allowances in the Labor Time Guide must be submitted on a "Requests for Review" form.

Dealership personnel are encouraged to complete the "Request for Review" form. A properly completed form will provide Isuzu the detailed information, which identifies the technician's difficulties in performing a labor operation within the published labor time allowances.

Completing the Request For Review

When completing this form, it is important that all vehicle identification data affecting or influencing the operation in question be provided.

Your request for review must include a (detailed step by step) description of your labor procedure in the space provided. This will allow Isuzu to both understand your concern and potential cause(s) for the variance between your actual time and the published labor time.

Upon completion of the "Request for Review" form, the District Service & Parts Manager must review the Request with both the dealership Service Manager and Technician. Following this review, the DSPM will forward the review form to the warranty LTG department for review and resolution.

ABBREVIATIONS

	Description
A/C	Air Conditioning
ADJ	Adjust
ASSY	Assembly
AUTO	Automatic
CONT'D	Continued
CYL	Cylinder
D & C	Disconnect and Connect
DIFF	Differential
EVAC	Evacuate
EXC	Except
INC	Includes
IP	Instrument Panel
MAN	Manual
MPI	Multi-Port Injection
NEC	Necessary
OHC	Overhead cam
PIB	Power Brake
PCV	Positive Crankcase Ventilation
PIS	Power Steering
R & R	Remove & Reinstall
TBI	Throttle Body Injection
TRANS	Transmission
U-JOINT	Universal Joint
VIN	Vehicle Identification Number
Wi	With
W/B	Wheel Base
W/O	Without

PAINT

NOTE: All warrantable paint and/or perforation repairs require prior authorization.

The labor time allowances provided in the Paint Sections include time for cleaning, preparing, and finishing the particular area involved. The letters below each Labor Time is the "Material Indicator". This indicator represents the amount of mixed paint reduced to spraying consistency as well as additional supplies needed such as sandpaper, masking tape, paper, primer, surface fillers, etc. needed for each paint operation.

Spot/Partial Panel Repair

"SPOT REPAIR" applies to paint repair of an area (up to 150 sq. in.) that may result in the undercoat being disturbed or removed during the sanding operation, possibly resulting in exposure of bare metal. These repair operations may require sanding, cleaning of contaminants (oil, wax, silicone, etc.) masking and priming as necessary, sanding primer, sealing, applying color, clear coat and buff polish when dry.

Color Coat

"COLOR COAT" applies to paint repair operations that do not require the use of primer but merely involve removing wax by wiping the surface with a solvent, sanding the original color coat, masking the area as necessary, applying color coat and buff polish when dry. Color coat operations should be used when correcting conditions such as thin paint, off color, rub through or surface scratches.

Paint Refinish

"PAINT REFINISH" applies to paint repair of a panel or specified section of a panel when paint damage is of such a nature that the undercoat is disturbed or removed during the sanding operation, usually resulting in the exposure of several bare metal areas. Paint refinish operations require sanding, cleaning panel of contaminants (oil, wax, silicone, etc.) masking the area as necessary, priming, filling when necessary, sanding primer, sealing, applying color and buff polish when dry. Paint refinish operations would be used when correcting any conditions extending into or through the paint undercoats.

The refinish labor time allowance includes time to spot prime up to 50% of the panel or panels involved. Removal of more than 50% of the complete finish from a panel is considered stripping. In these unusual cases, where stripping is required, an additional time and material allowance (equal to 25% of the existing refinish time and material allowance) must be included in the authorization as additional labor. Additional labor must appear in the other hours column of the Warranty Claim Document. Additional materials are summed and entered in the N-P-N Items Column of the Warranty Claim Document.

TROUBLE CODE	DESCRIPTION
00	RDRPDI
01	BROKEN
02	BROKEN WELD
03	STRIPPED
04	TORN OR PUNCTURED
05	CRACKED
06	WORN
07	SCORED OR SCRATCHED
08	POOR METAL FINISH
09	CHIPPED
10	SOILED OR STAINED
11	BENT
12	FOREIGN MATERIAL
13	OVERHEATED
14	BURNED
15	SEIZED
16	PAINT-DIRT OR FOREIGN MATRL
17	PAINT-DRY SPRAY, MOTTILING SAGS
18	PAINT-FILM MARRED OR SCRATCHED
19	PAINT - THIN OR RUBBED THROUGH
20	PAINT - CORROSION, CRAZING/CRKNG
21	PAINT - POOR REPAIR
22	PAINT - FILM SPOTTED
23	PAINT - FINISH COMES OFF
24	CHROME PLATING DEFECTIVE
25	MISALIGNED
26	MIS'ADJUSTED
27	LOOSE
29	PART OMITTED
30	POROSITY
31	POOR MACHINING
32	GLASS - POOR VISION
33	WEAK
34	OUT OF BALANCE

TROUBLE CODE	DESCRIPTION
35	OUT OF ROUND
36	VIBRATES
37	POOR ENGAGEMENT
38	DOES NOT SEAT
39	GRABS
40	NOISY
41	CHATTERS
42	LEAKS
43	SHIFTS HARD
44	SLIPS OUT OF GEAR
45	WIND NOISE
46	FLOODS
47	HESITATES
48	DISCOLORED
49	PITTED
50	ELECTRICAL FAILURES
51	NOT CONNECTED
52	BINDS, STICKS
53	NOT DRILLED
54	WRONG PART
55	POOR FIT
56	INOPERATIVE
57	REGISTERS INCORRECTLY

Using the Labor Time Guide

The Labor Time document package of PDF files organized into chapters that cover the various warranty categories such as engines, transmissions, brakes, etc. Users familiar with Adobe Reader should find it easy to move around the file. Below are a few tips that might help when viewing and search the PDF files.

1. Click on the view buttons in the lower menu bar. Use the left view to see each chapter file and select the desired topic.
2. Use the left and right buttons in the center of the lower tool bar to scroll through the various chapters.

Searching

Using the Binoculars search symbol located in the center tool bar allows the user to define the search criteria. If the Binocular Symbol isn't visible, enable this option in the Toolbars option by selecting "More Tools" to add it to the Toolbar. Using this method will allow the user search the current file or all files. Selecting "In selected PDF documents" will return all occurrences of the search word found in the current chapter. Selecting "in the current PDF document will return the first occurrence of the search word.

A second method of searching is to use the "Find" box in center tool bar. This search will return the first occurrence of the search word in the current document, but will also allow the user to "find next".

Printing

The Labor Time Guide documents can be printed individually or as a complete document.

Isuzu Commercial Truck of America
(Isuzu)

Isuzu Request for Flat Rate Time Review

Dealership _____ Dealer Code _____
Address _____
Date _____ Submitted by _____

Review is requested because:

- Operation Not Listed Operation Description Incorrect
 Not Enough Time Allowed Additional Work is Required
 Other _____

Model Affected _____

Operation Description _____

Operation Number _____

How much time does it take your Technician to perform this repair?

Hours _____ VIN _____ Tech ID # _____

Describe the repair process:

Isuzu Use Only

List here any accessories that may impact repair time

**This form must be reviewed with your DSPM
who will forward it to the National Warranty
Department for review and resolution**

H1

BRAKES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PADS, DISC BRAKE - R&R OR REPLACE LEFT AND RIGHT FRONT	H0042	0.9	1.1	0.9	0.9	-	1.7	1.7
Add: A - Reface Rotor, One Fron B - Reface Rotor, Both Fron		0.7 1	0.7 1	0.7 1	0.7 1	- -	- 2.7	- 2.7
PADS, DISC BRAKE, REAR - R&R OR REPLACE	H0043	-	-	-	-	-	1.8	1.8
ADD: A - Reface Rotor, Both Rea		-	-	-	-	-		3.2
CALIPER ASSEMBLY - R&R								
INC: R&R brake pads from caliper. Clean and inspect caliper and bleed brakes.								
FRONT								
RIGHT	H0080	0.6	0.6	0.6	0.6	-	1.2	1.2
LEFT	H0081	0.6	0.6	0.6	0.6	-	1.2	1.2
BOTH	H0087	0.9	0.9	0.9	0.9	-	2.1	2.1
ADD: A - To Recondition Each Caliper INC: Clean, inspect and assemble. R&R brake bleeder valve replace boot and seal.		0.4	0.4	0.4	0.4	-	0.1	0.1
CALIPER ASSEMBLY - REAR - RIGHT - R&R	H0090	-	-	-	-	-	1.4	1.4
CALIPER ASSEMBLY - REAR - LEFT - R&R	H0091	-	-	-	-	-	1.4	1.4
CALIPER ASSEMBLY - REAR -BOTH - R&R	H0097	-	-	-	-	-	2.3	2.3
Add: A - To Recondition Each Caliper INC: Clean, inspect and assemble. R&R brake bleeder valve replace boot and seal.		-	-	-	-	-	0.1	0.1
CALIPER ASSEMBLY - REPLACE								
INC: R&R brake pads from caliper and bleed brakes								
FRONT								
RIGHT	H0100	0.6	0.6	0.6	0.6	-	1.4	1.4
LEFT	H0101	0.6	0.6	0.6	0.6	-	1.2	1.2
BOTH	H0107	0.9	0.9	0.9	0.9	-	2.1	2.1
CALIPER ASSEMBLY - REAR - RIGHT - REPLACE	H0110	-	-	-	-	-	1.4	1.4
CALIPER ASSEMBLY - REAR - LEFT - REPLACE	H0111	-	-	-	-	-	1.4	1.4
CALIPER ASSEMBLY - REAR - BOTH - REPLACE	H0117	-	-	-	-	-	2.3	2.3

H2

BRAKES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
ROTOR ASSEMBLY - R&R OR REPLACE								
POLICY: S								
INC: D&C caliper assy and visually inspect. Check roto lateral runout and parallelism. Transfer seals, bearing; and races. Clean and repack wheel bearing as nee								
FRONT								
RIGHT	H0120	1.1	1.1	1.1	1.1	1.1	1.8	1.8
LEFT	H0121	1.1	1.1	1.1	1.1	1.1	1.8	1.8
BOTH	H0127	1.9	1.9	1.9	1.9	1.9	3.2	3.2
ADD:								
A - To R&R Front Wheel Studs								
ONE WHEEL		0.3	0.3	0.3	0.3	0.3	0.3	0.3
BOTH		0.6	0.6	0.6	0.6	0.6	0.6	0.6
B - To Reface Rotor								
ONE		0.7	0.7	0.7	0.7	0.7	0.6	0.6
BOTH		0.1	0.1	0.1	0.1	0.1	1.2	1.2
C - To Replace One Bearing Cup								
ROTOR ASSEMBLY - R&R OR REPLACE								
INC: D&C Caliper assy. and visually inspect. Cheek rotor later: runout and parallelism. Transfer seals, bearings and races								
REAR								
RIGHT	H0130	-	-	-	-	-	2.3	1.7
LEFT	H0131	-	-	-	-	-	2.3	2
BOTH	H0137	-	-	-	-	-	4.1	3.2
ADD:								
A- To Reface Rotor								
One - Rear		-	-	-	-	-	0.6	0.6
Both -Rear		-	-	-	-	-	1.2	1.2
BRAKES - ADJUST SINGLE AXLE								
FRONT	H0180	0.4	0.4	0.4	0.4	0.4	0.7	0.7
REAR		0.4	0.4	0.4	0.4	0.4	0.7	0.7
DRUM, BRAKE - R&R OR REPLACE								
INC: Adjust wheel bearings when nee to remove hub, adjust brak shoes.								
DOES NOT INC: Replace hub, bearings or oil seal. Adjus								
FRONT								
RIGHT	H0190	0.4	0.4	0.4	0.4	1.2	0.7	1
LEFT	H0191	0.4	0.4	0.4	0.4	1.2	0.7	0.7
BOTH	H0197	0.6	0.6	0.6	0.6	2.3	1.1	1.8
ADD:								
A - To Replace Wheel Bearing Oil Seal (One)								
		0.1	0.1	0.1	0.1	0.1	-	-
DRUM, BRAKE - R&R OR REPLACE								
REAF								
RIGHT	H0200	1.5	1.5	1.5	1.5	2.4	1.1	1.5
LEFT	H0201	1.5	1.5	1.5	1.5	2.4	1.1	1.5
BOTH	H0207	2.9	2.9	2.9	2.9	4.3	1.8	2.6
Add:								
A - To Replace Wheel Bearing Oil Seal								
		1	1	1	1	1	-	-
B - To Refinish Drum - Inboard Mounted Hydraulic								
		0.5	0.5	0.5	0.5	0.5	-	-
C - To Refinish Drum - Outboard Mounted Hydraulic								
		0.4	0.4	0.4	0.4	0.4	-	-

H3

BRAKES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SHOES AND LININGS, DRUM BRAKE - R&R OR REPLACE								
INC: R&R wheel, hub, drum and brake shoes. Clean shoes and drum. Clean and lubricate anchor pins and cam. Adjust wheel bearings and brake shoes								
DOES NOT INC: Reline brake shoes.								
FRONT								
RIGHT	H0240	-	-	-	-	-	1.1	1.3
LEFT	H0241	-	-	-	-	-	1.1	1.3
BOTH	H0247	-	-	-	-	-	1.9	2.5
ADD:								
A - To Recondition Or Replace Wheel Cyl (One)								
B - To Reface Drum								
ONE		-	-	-	-	-	-	-
BOTH		-	-	-	-	-	-	-
C - To Replace Drum (One)								
0- To Replace Front Wheel Bearing Oil Seal								
REAR								
RIGHT	H0250	0.9	0.9	0.9	0.9	1.9	1.2	1.7
LEFT	H0251	0.9	0.9	0.9	0.9	1.9	1.2	1.7
EXCEPT R050, Oil Bath Rear Axle								
R050, Oil Bath Rear Axle								
REAR								
BOTH	H0257						2.1	2.3
EXCEPT R050, Oil Bath Rear Axle								
R050, Oil Bath Rear Axle								
		2.3	2.3	2.3	2.3	3.6	-	-
		1.8	1.8	1.8	1.8	2.2	-	-
ADD:								
A - To Recondition Or Replace Wheel Cyl (Each)								
B - To Reface Drum (Each)								
BOTH		0.6	0.6	0.6	0.6	0.4	-	-
		0.3	0.3	0.3	0.3	0.3	-	-
		0.5	0.5	0.5	0.5	0.5	-	-
C - To Replace Drum (Each)								
		0.5	0.5	0.5	0.5	0.5	-	-

H4

BRAKES									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
SELF ADJUSTER, BRAKE - R&R OR REPLACE									
REAR									
RIGHT	H0340	0.9	1	0.9	0.9	-	-	-	
LEFT	H0341	0.9	1	0.9	0.9	-	-	-	
BOTH	H0347	1.8	1.8	1.8	1.8	-	-	-	
CYLINDER, BRAKE WHEEL - R&R OR REPLACE									
FRONT									
RIGHT	H0360	1	1	1	1	1.4	-	-	
LEFT	H0361	1	1	1	1	1.4	-	-	
BOTH	H0367	1.7	1.7	1.7	1.7	2.5	-	-	
REAR									
RIGHT	H0370	1.5	1.5	1.5	1.5	2	-	-	
LEFT	H0371	1.5	1.5	1.5	1.5	2	-	-	
BOTH	H0377	2.3	2.3	2.3	3.7	3.7	-	-	
ADD:									
A - To Replace Additional Cyl Same Wheel (Rear)		0.2	0.2	0.2	0.2	0.2	-	-	
SHIELD, REAR BRAKE DUST - RIGHT - R&R OR REPLACE	H0400	-	-	-	-	-	0.2	0.2	
SHIELD, REAR BRAKE DUST - LEFT - R&R OR REPLACE	H0401	-	-	-	-	-	0.2	0.2	
SHIELD, REAR BRAKE DUST - BOTH - R&R OR REPLACE	H0407	-	-	-	-	-	0.3	0.3	
PLATE, BRAKE SPACER OR BACKING - REPLACE									
INC: R&R wheel, hub and drum assy, brake shoes, air chamber & slack adjuster. Adjust wheel bearings, adjust brake shoes									
DOES NOT INC: Replace hub, oil seals									
FRONT									
RIGHT	H0440	-	-	-	-	-	2.4	1.8	
LEFT	H0441	-	-	-	-	-	2.4	1.8	
W/DUAL WHEEL CYL		-	-	-	-	-	-	-	
AIR BRAKES		-	-	-	-	-	-	-	
FRONT									
BOTH	H0447	-	-	-	-	-	3.2	3.2	
ADD:									
A - To Replace Front Wheel Bearing Oil Seal (Each)		-	-	-	-	-	-	-	
B - To Replace Front Brake Drum		-	-	-	-	-	0.8	0.8	
C - With Oil Filled Hub Caps		-	-	-	-	-	0.1	-	
Plate, Brake Spider Or Backing - Single Or Front Tandem - Replace									
REAR									
RIGHT	H0450	3.4	3.4	3.4	3.4	3.4	2.5	2.5	
LEFT	H0451	3.4	3.4	3.4	3.4	3.4	2.5	2.5	
OIL BATH REAR AXLE		-	-	-	-	2.3	-	-	
ADD:									
A - To Replace Rear Wheel Bearing Oil Seal (Either side)		0.1	0.1	0.1	0.1	0.1	-	-	
B - To Replace Brake Drum		0.7	0.7	0.7	0.7	0.7	1	1	
PLATE, BRAKE SPIDER OR BACKING - REAR TANDEM - RIGHT - REPLACE	H0454	-	-	-	-	-	2.5	2.5	
ADD:									
A - To Replace Brake Drurr		-	-	-	-	-	1	1	

H5

BRAKES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PLATE, BRAKE SPIDER OR BACKING - REAR TANDEM - LEFT - REPLACE	H0455	-	-	-	-	-	2.5	2.5
Add: A - To Replace Brake Drurr		-	-	-	-	-	1	1
CAMSHAFT, BRAKE-REPLACE								
INC: R&R wheel and hub assy and slack adjuster - front.								
FRONT								
RIGHT	H0460	-	-	-	-	-	1.5	0.9
LEFT	H0461	-	-	-	-	-	1.5	0.9
BOTH	H0467	-	-	-	-	-	2.4	1.6
REAR								
RIGHT	H0470	-	-	-	-	-	1.7	1.2
LEFT	H0471	-	-	-	-	-	1.7	1.2
BOTH	H0477	-	-	-	-	-	2.7	2.1
Add: With Oil Filled Hub Caps								
One		-	-	-	-	-	0.2	0.2
BOTH		-	-	-	-	-	0.3	0.3
ADJUSTER, BRAKESLACK-REPLACE								
FRONT								
RIGHT	H0480	-	-	-	-	0.3	1.7	1.3
LEFT	H0481	-	-	-	-	0.3	1.7	1.3
BOTH	H0487	-	-	-	-	0.5	3.2	2.2
REAR								
RIGHT	H0490	-	-	-	-	0.4	1.9	1.3
LEFT	H0491	-	-	-	-	0.4	1.9	1.3
BOTH	H0497	-	-	-	-	0.6	3.5	2.5
Add: With Oil Filled Hub Caps								
		-	-	-	-	-	0.2	0.2
BRACKET, BRAKE CAMSHAFT AND/OR CHAMBER - REPLACE								
Front Right	H0500	-	-	-	-	-	1.9	1
Front Left	H0501	-	-	-	-	-	1.9	1.9
Rear Right	H0510	-	-	-	-	-	2.1	1.1
Rear Left	H0511	-	-	-	-	-	2.1	1.1
Add: With Oil Filled Hub Caps								
		-	-	-	-	-	0.2	0.2
RESERVOIR, HYDRAULIC MASTER CYLINDER - REPLACE	H0615	0.6	0.6	0.6	0.6	-	-	0.7
CYLINDER, BRAKE MASTER - R&R	H0620	1.4	1.4	1.4	1.4	-	1	1
ADD: A - To Recondition MasterCyl		0.5	0.5	0.5	0.5	-	0.5	0.5
CYLINDER, BRAKE MASTER - REPLACE	H0640	1.4	1.4	1.4	1.4	-	1	1
ADD:								
BRAKE SYSTEM - BLEED	H0700	0.3	0.3	0.3	0.3	1.1	0.9	0.9
INC: D&C pressure bleeder, bleed master cyl as nec.								

H6

BRAKES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
HOSE, BRAKE-REPLACE								
FRONT								
RIGHT	H0720	0.4	0.4	0.4	0.5	0.5	0.8	0.6
LEFT	H0721	0.4	0.4	0.4	0.5	0.5	0.6	0.6
REAR								
RIGHT	H0730	0.5	0.5	0.5	0.5	0.5	0.5	0.5
LEFT	H0731	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Switch, Electro-Hydraulic Pump Flow Control - Replace	H0763	-	-	-	-	-	0.4	0.4
Relay, Electro-Hydraulic Pump - Replace	H0767	-	-	-	-	-	-	1.2
Diagnosis Time: You may claim up to allowable labor hours depending upon the actual time used performing diagnosis.		-	-	-	-	-	0-.3	0-.3
INTERNAL BLEED CONTROL (TR-3) VALVE - REPLACE	H0774	-	-	-	-	-	5	-
POLICY: K								
VALVE, BRAKE COMBINATION - REPLACE	H0780	0.5	0.5	0.5	0.5	-	1	1
SWITCH, LOW BRAKE FLUID WARNING - REPLACE	H0785	0.2	0.2	0.2	0.2	0.2	0.4	0.4
Diagnosis Time: You may claim up to allowable labor hours depending upon the actual time used performing diagnosis.		-	-	-	-	-	0-.3	0-.3
PIPE, BRAKE- REPLACE								
MASTER CYL TO CONNECTOR	H0800	-	-	-	-	0.7	0.7	0.7
CONNECTOR TO FRONT WHEEL FLEX HOSE		-	-	-	-	0.2	-	-
RIGHT	H0880	-	-	-	-	0.7	0.7	0.7
LEFT	H0881	-	-	-	-	0.7	0.7	0.7
ADD:								
A - To Replace Each Attached Flex Hose Or Connector		-	-	-	-	0.2	-	-
FRONT TO REAR	H0890	1	1	1	1	1	1	1
ADD:								
A - To Replace Each Attached Flex Hose Or Connector		0.2	0.2	0.2	0.2	0.2	-	-
PIPE, BRAKE - FRONT CROSSOVER - REPLACE	H0900	-	-	-	-	-	-	1.7
PIPE, BRAKE - AXLE HOUSING JUNCTION BLOCK TO REAR WHEEL CYL - REPLACE								
RIGHT	H0910	-	-	-	-	0.6	-	0.5
LEFT	H0911	-	-	-	-	0.6	-	0.5
ADD:								
A - To Replace Each Attached Flex Hose Or Connector		-	-	-	-	0.2	-	-
PIPE, BRAKE - REAR WHEEL UPPER TO LOWER CYL REPLACE								
RIGHT	H0920	0.6	0.6	0.6	0.6	0.6	-	1.2
LEFT	H0921	0.6	0.6	0.6	0.6	0.6	-	1.7
HOSE, TRAILER AIR BRAKE - REPAIR OR REPLACE	H0950	-	-	-	-	-	0.9	0.9
VACUUM TANK - REPLACE (ONE)	H0960	0.4	0.4	0.4	0.4	-	-	0.8
PUMP , ELECTRO - ELECTRO-HYDRAULIC - REPLACE	H0980	-	-	-	-	-	1.3	1.4
Diagnosis Time: You may claim up to allowable labor hours depending upon the actual time used performing diagnosis.		-	-	-	-	-	-	0-.3

H7

BRAKES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BOOSTER ASSEMBLY, VACUUM POWER BRAKE - R&R	H1100	2.5	2.5	2.5	2.5	0.8	-	-
ADD: A - To Recondition Vacuum Booster Assy (Vacuum booster assy. cannot be overhauled for NPR New Cab)		1	1	1	1	1	-	-
BOOSTER ASSEMBLY, VACUUM POWER BRAKE - REPLACE	H1120	2.5	2.5	2.5	2.5	0.8	-	-
ELECTRIC VACUUM PUMP - REPLACE	H1160	0.6	0.6	0.6	0.6	1.1	-	-
BOOSTER ASSEMBLY, HYDRAULIC POWER BRAKE - R&R	H1300	-	-	3.3	3.3	-	0.9	0.9
BOOSTER ASSEMBLY, HYDRAULIC POWER BRAKE- REPLACE	H1320	-	-	3.4	3.4	-	1.1	1.1
ACCUMULATOR, HYDRAULIC POWER BRAKE BOOSTER OIL - REPLACE	H1380	-	-	0.9	0.9	-	-	-
RESERVOIR, HYDRAULIC BRAKE BOOSTER - REPLACE	H1560	-	-	0.3	0.3	0.7	-	-
HOSE, AIR BRAKE- REPLACE								
FRONT								
RIGHT	H1700	-	-	-	-	-	0.3	0.3
LEFT	H1701	-	-	-	-	-	0.3	0.3
BOTH	H1707	-	-	-	-	-	0.4	0.4
HOSE, AIR BRAKE (WHEEL) - REAR - BETWEEN RELAY VALVE AND JUNCTION BLOCK - REPLACE	H1708	-	-	-	-	-	1	1
HOSE, AIR BRAKE (WHEEL) - REAR - BETWEEN JUNCTION BLOCK AND BRAKE CHAMBER - REPLACE	H1709	-	-	-	-	-	0.8	0.8
LINE, AIR BRAKE (ONE) - REPAIR OR REPLACE								
FRONT	H1722	-	-	-	-	0.5	0.5	0.5
REAR	H1723	-	-	-	-	0.5	0.8	0.8
LINE, AIR BRAKE (UNDER DASH) - REPAIR OR REPLACE	H1740	-	-	-	-	0.5	1.2	1.2
DRYER SYSTEM, AIR BRAKE - REPAIR	H1750	-	-	-	-	0.5	1.7	1.7
TANK, AIR - REPLACE								
MAIN TANK (WET)	H1760	-	-	-	-	0.5	1.9	0.9
FRONT SERVICE	H1762	-	-	-	-	0.5	0.9	0.9
REAR SERVICE	H1763	-	-	-	-	0.5	0.9	0.9
TANK, AIR - DUAL RESERVOIR - REPLACE	H1764	-	-	-	-	-	1.7	1.7
STRAP, AIR TANK - REPLACE								
MAIN TANK	H1770	-	-	-	-	0.3	0.3	0.3
FRONTTANK	H1772	-	-	-	-	0.3	0.7	0.7
REAR TANK	H1773	-	-	-	-	0.3	0.7	0.7

H8

BRAKES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
VALVE, BRAKE QUICK RELEASE - REPLACE	H1780	-	-	-	-	0.3	0.5	0.5
VALVE, TRAILER SUPPLY - REPLACE	H1800	-	-	-	-	-	0.5	0.5
VALVE, AIR TANK DRAIN - REPLACE	H1830	-	-	-	-	0.2	0.5	0.5
VALVE, AIR TANK CHECK - REPLACE	H1840	-	-	-	-	0.3	0.3	0.3
VALVE, BRAKE RELAY - REPLACE	H1860	-	-	-	-	-	1.1	1.1
ADD: A - To Recondition Brake Relay Valve		-	-	-	-	-	0.3	0.3
VALVE, PARKING BRAKE CONTROL - REPLACE	H1865	-	-	-	-	-	0.6	0.6
ADD: A - With Automatic Trans		-	-	-	-	-	0.3	0.3
VALVE, PARKING BRAKE RELAY - REPLACE	H1870	-	-	-	-	-	1	1.1
VALVE, AIR BRAKE LIMITING - REPLACE	H1880						1	1.2
ADD: A - To Recondition Valve							0.3	0.3
VALVE, SPRING BRAKE CONTROL - REPLACE	H1900	-	-	-	-	-	0.4	0.4
VALVE, TRACTOR PROTECTION (BREAK AWAY) - R&R OR REPLACE	H1920	-	-	-	-	-	0.4	0.4
VALVE, TRAILER HAND CONTROL - R&R OR REPLACE	H1980	-	-	-	-	-	0.5	0.5
ADD: A - To Recondition Hand Control Valve		-	-	-	-	-	0.3	0.3
VALVE, BRAKE SAFETY - REPLACE	H2000	-	-	-	-	0.3	0.3	0.3
VALVE, DOUBLE CHECK - REPLACE	H2020	-	-	-	-	-	0.5	0.5
VALVE, PRESSURE PROTECTION - REPLACE	H2100	-	-	-	-	-	0.4	0.4
VALVE, AIR PRESSURE MODULATOR - REPLACE	One Both	H2102 H2103	- -	- -	- -	- -	- -	2.3 3
VALVE, MOISTURE EJECTOR - REPLACE	H2150	-	-	-	-	0.2	0.2	0.2
BOOSTER, AIR - R&R OR REPLACE	H2180	-	-	-	-	2.1	2.1	2.1
ADD: A - To Recondition Booster		-	-	-	-	1.2	1.2	1.2
B - To Replace Mounting Bracket		-	-	-	-	0.5	0.5	0.5
COMPRESSOR, AIR - R&R								
INC: Drain and refill radiator on models equipped with water cooled compressor.	H2200	-	-	-	-	5.8	0.6	0.6
ADD: A - With Power Steering		-	-	-	-	0.4	-	-
B - To replace Compressor Brace		-	-	-	-	0.1	-	-
C - To recondition Compressor		-	-	-	-	1.9	1.9	1.9
o - With Air conditioning		-	-	-	-	0.2	0.2	0.2

H9

BRAKES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
COMPRESSOR, AIR - REPLACE INC: R&R strainer, pulley and fittings. Drain and refill radiator on models equipped with water cooled compressor. ADD: A - To Recondition Compressor	H2220	-	-	-	-	5.9	2.6	0.8
PULLEY, AIR COMPRESSOR DRIVE - REPLACE	H2260	-	-	-	-	-	1.1	1.1
LINE, AIR COMPRESSOR OIL - REPLACE								
	INLET H2302	-	-	-	-	0.3	0.3	0.3
	OUTLET H2303	-	-	-	-	0.4	0.4	0.4
HOSE, AIR COMPRESSOR WATER - INLET - REPLACE	H2312	-	-	-	-	-	0.8	0.8
HOSE, AIR COMPRESSOR WATER - OUTLET - REPLACE	H2313	-	-	-	-	-	0.9	0.9
VALVE ASSEMBLY, APPLICATION - R&R OR REPLACE INC: D&C air lines and brake treadle linkage. R&R all fittings from brake valve. ADD: A - To Recondition Application Valve DOES NOT INC: Hone cyl.	H2320	-	-	-	-	3.8	3.8	3.8
TUBE, APPLICATION VALVE EXHAUST - REPLACE	H2330	-	-	-	-	0.5	0.5	0.5
GOVERNOR, AIR - ADJUST	H2340	-	-	-	-	0.4	0.6	0.6
GOVERNOR, AIR - R&R OR REPLACE	H2360	-	-	-	-	0.3	0.3	0.3
CHAMBER, AIR BRAKE - R&R OR REPLACE INC: Bleed air tanks and R&R air brake hose. Nec safety steps to compress and release the brake chamber release bolt. DOES NOT INC: Adjust brakes.								
	FRONT							
	RIGHT H2380	-	-	-	-	-	0.3	0.3
	LEFT H2381	-	-	-	-	-	0.3	0.3
	BOTH H2387	-	-	-	-	-	0.4	0.4
	REAR							
	RIGHT H2390	-	-	-	-	-	0.8	0.8
	LEFT H2391	-	-	-	-	-	0.8	0.8
	BOTH H2397	-	-	-	-	-	1.6	1.6
ADD: A - To Recondition Air Chamber B - To Replace Slack Adjuster (Each)		-	-	-	-	-	0.6	0.6
		-	-	-	-	-	0.2	0.2
DIAPHRAGM, AIR BRAKE CHAMBER, W/PARKING BRAKE								
RIGHT (EXCEPT EATON AXLE)	H2400	-	-	-	-	-	0.6	0.6
LEFT (EXCEPT EATON AXLE)	H2401	-	-	-	-	-	0.6	0.6

H10

BRAKES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SENSOR,WHEELSPEED-REPLACE operation N6035								
FRONT								
RIGHT	H2410	0.3	0.3	0.3	0.3	-	0.2	0.2
LEFT	H2411	0.3	0.3	0.3	0.3	-	0.2	0.2
BOTH	H2412	0.5	0.5	0.5	0.5	-	0.3	0.3
REAR								
RIGHT	H2414	0.5	0.5	0.5	0.5	-	1.2	1.2
LEFT	H2415	0.4	0.4	0.4	0.4	-	1.2	1.2
BOTH	H2417	0.5	0.5	0.5	0.5	-	2	2
ADD: A - Diagnosis Time: You may claim 0.0 to 0.3 hours depending on actual performing diagnosis		0-0.3	0-0.3	0-0.3	0-0.3	-	0-0.3	0-0.3
VALVE, BRAKE PRESSURE MODULATOR (ABS) - R&R OR REPLACE	H2480	0.7	0.7	0.7	0.7	-	1.3	1.3
ADD: A - Diagnosis Time: You may claim 0.0 to 0.3 hours depending on actual performing diagnosis		0-0.3	0-0.3	0-0.3	0-0.3	-	0-0.3	0-0.3
MODULE, ELECTRONIC BRAKE AND/OR TRACTION CONTROL - FOUR WHEEL ANTI-LOCK - REPLACE	H2505	-	-	-	-	-	0.6	0.6
ADD: A - Diagnosis Time: You may claim 0.0 to 0.3 hours depending on actual performing diagnosis		-	-	-	-	-	0-0.3	0-0.3
PEDAL AND/OR BUSHING BRAKE - R&R OR REPLACE	H2640	1.8	1.8	1.8	1.8	1.3	0.3	1.2
PAD, BRAKE PEDAL-REPLACE	H2660	0.2	0.2	0.2	0.2	0.2	0.4	0.4
SPRING, BRAKE PEDAL RETURN - REPLACE	H2680	0.2	0.2	0.2	0.2	0.2	-	-
PARKING BRAKE - ADJUST	H2800	0.3	0.3	0.3	0.3	0.3	0.4	0.5
LEVER AND/OR SUPPORT, PARKING BRAKE ASSEMBLY - R&R OR REPLACE	H2860	0.6	0.6	0.6	0.6	0.6	1.2	1.2
2007 + New Cab		0.3	0.3	0.3	0.3	-	-	-
CABLE, PARKING BRAKE - REPLACE								
FRONT	H2882						1	1.2
REAR	H2888	1.3	1.7	1.3	1.3	0.9	0.6	1.2
SHOE AND/OR SUPPORT PLATE, PROPELLER SHAFT PARKING BRAKE (DRUM TYPE) INTERNAL - REPLACE	H3000	1.2	1.2	1.2	1.2	1.2	1.2	1.4
ADD: A - To Reline Parking Brake Shoe		-	-	-	-	0.4	-	-
LEVER, PROPELLER SHAFT PARKING BRAKE SHOE-REPLACE	H3010	0.6	0.6	0.6	0.6	0.6	1.1	1.4
LEVER, PROPELLER SHAFT PARKING BRAKE OPERATING - REPLACE	H03040	-	-	-	-	-	0.4	0.4
DRUM AND/OR DISC, PROPELLER SHAFT BRAKE-REPLACE	H3070	0.7	0.7	0.7	0.7	0.7	1.2	1.2
VALVE, PARKING BRAKE CONTROL- REPLACE	H3120	-	-	-	-	-	0.5	0.5
CUSTOMER CONCERN NOT DUPLICATED	H9991	0.1-0.3	0.1-0.3	0.1-0.3	0.1-0.3	0.1-0.3	.1-.3	.1-.3

J1

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
ENGINE OIL LEAK - ANALYZE POLICY: C INC:Add dye, run engine, inspect for leaks with black light.	J0030	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MANIFOLD AND/OR GASKET, EXHAUST - REPLACE POLICY:C, E, K	J0106							
4BD2-TC		1.9		-	-	-	-	-
4HE1-TC		1.8	1.8	1.8	-	-	-	-
4HK1-TC		1.8	1.8	1.8	1.8	-	-	-
2007 + New Cab 4HK1-TC		2.4	2.4	2.4	2.4			
6HE1-TC		-		-	-	1.9	1.9	1.9
6HK1-TC		-		-	-	-	1.9	4.8
ADD: A - WITH AIR CONDITIONING		0.6	0.6	0.6	0.6	0.6	-	-
PUMP, VACUUM-REPLACE POLICY: E	J0240							
4BD2-TC		0.3	0.3	0.3	-	-	-	-
4HE1-TC		0.3	0.9	0.3	-	-	-	-
4HK1-TC		0.8	0.8	0.8	0.8	-	-	-
2007 + New Cab 4HK1-TC		2.1	2.1	2.1	2.1			
MANIFOLD, INTAKE - REPLACE POLICY:C, E, K	J0250							
4BD2-TC		1.4	-	1.6	-	-	-	-
4HE1-TC		1	1.9	1	-	-	-	-
4HK1-TC		1	1	1	1	-	-	-
2007 + New Cab 4HK1-TC		2.3	2.3	2.3	2.3	-	-	-
6HE1-TC		-	-	-	-	1.6	1.5	1.5
6HK1-TC		-	-	-	-	1.5	3	3
GASKET, INTAKE MANIFOLD - REPLACE POLICY:C, E, K	J0251							
4BD2-TC		1.4	-	1.6	-	-	-	-
4HE1-TC		1	1.9	1	-	-	-	-
4HK1-TC		1	1	1	1	-	-	-
2007 + New Cab 4HK1-TC		2.3	2.3	2.3	2.3	-	-	-
6HE1-TC		-	-	-	-	1.6	1.5	1.5
6HK1-TC		-	-	-	-	1.5	2.7	2.7
COVER AND/OR GASKET, ROCKER - REPLACE POLICY: C, K	J0308							
4BD2-TC		0.2	-	0.7	-	-	-	-
4HE1-TC		0.3	1.9	0.3	-	-	-	-
4HK1-TC		0.3	0.3	0.3	0.3	-	-	-
2007 + New Cab 4HK1-TC		1	1	1	1			
6HE1-TC		-	-	-	-	0.7	0.7	0.7
6HK1-TC		-	-	-	-	0.7	0.8	0.8
COVER AND/OR GASKET, PUSH ROD SIDE- REPLACE POLICY: K								
FRONT	J0322							
4BD2-TC		0.4	-	0.4	-	-	-	-
REAR	J0323							
4BD2-TC		0.3	-	0.3	-	-	-	-

J2

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
COVER AND/OR GASKET, PUSH ROD SIDE- REPLACE (CONTINUED) <div style="text-align: right;"> ALL 4B02-TC </div>	J0327	0.5	-	-	-	-	-	-
ROCKER ARM - REPLACE POLICY: C, K, INC: R&R rocker cover, adjust all valves, install new gasket. <div style="text-align: right;"> ONE CYL 4B02-TC 4HE1-TC 4HK1-TC 2007 + New Cab 4HK1-TC 6HE1-TC 6HK1-TC </div>	J0358	0.6	-	-	-	-	-	-
ADD: A - To Replace All Rocker Arms		0.1	0.1	0.1	0.1	0.2	-	-
VALVE LASH - ADJUST <div style="text-align: right;"> 2007 + New Cab 4HK1-TC </div>	J0425	1.5	1.5	1.5	1.5	-	-	-
GASKET, CYLINDER HEAD - REPLACE POLICY: C, K, INC: R&R rocker cover, loosen rocker arms and remove push rods, O&C exhaust pipe and make all nee adjustments. <div style="text-align: right;"> 4B02-TC 4HE1-TC 4HK1-TC 2007 + New Cab 4HK1-TC 6HE1-TC 6HK1-TC </div>	J0508	4.5	-	-	-	-	-	-
ADD: A - 4HE1-TC ENGINE WITH AIR CONDITIONING		0.6	0.6	0.6	0.6	-	-	-
		3.6	3.6	3.6	-	-	-	-
		5.2	5.2	5.2	5.2	-	-	-
		6.7	6.7	6.7	6.7	-	-	-
		-	-	-	-	4.1	4.1	4.1
		-	-	-	-	-	11.6	11.6

J3

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
HEAD, CYLINDER - REPLACE								
POLICY: C, K								
INC: R&R rocker cover, loosen rocker arms and remove push rods, O&C exhaust pipe and make all nec adjustments.								
4B02-TC	J0518	6.6	-	-	-	-	-	-
4HE1-TC		6.5	6.5	6.5	-	-	-	-
4HK1-TC		8.2	8.2	8.2	8.2			
2007 + New Cab 4HK1-TC		10.8	10.8	10.8	10.8			
6HE1-TC		-	-	-	-	9.2	5.5	5.5
6HK1-TC		-	-	-	-	9.2	11.6	11.6
ADD:								
A - R&R Turbo from manifold								
B - 4HE1-TC ENGINE WITH AIR CONDITIONING								
		-	-	-	-	-	-	-
		0.6	0.6	0.6	0.6	-	-	-
VALVE - RECONDITION OR REPLACE								
POLICY: C, K								
INC: R&R rocker cover, rocker arms, push rods, cyl head, recondition valve seat and replace valve seal and make all nec adjustments.								
ONE CYL								
4B02-TC	J0528	4.8	-	-	-	-	-	-
4HE1-TC		3.9	3.9	3.9	-	-	-	-
4HK1-TC		5.8	5.8	5.8	5.8			
2007 + New Cab 4HK1-TC		7.4	7.4	7.4	7.4			
6HE1-TC		-	-	-	-	3.9	3.9	3.9
6HK1-TC		-	-	-	-	-	6.1	6.1
ADD:								
A - To Recondition Valves (Each Additional Cyl)								
INC: Replace valves as nec.								
NOTE: Time not to exceed reconditioning all valves.								
4B02-TC		0.3	-	-	-	-	-	-
4HE1-TC		0.4	0.4	0.4	-	-	-	-
4HK1-TC		0.4	0.4	0.4	0.4			
2007 + New Cab 4HK1-TC		0.4	0.4	0.4	0.4			
6HE1-TC		-	-	-	-	0.4	0.4	0.4
6HK1-TC		-	-	-	-	-	0.4	0.4
B - To Recondition All Valves								
4B02-TC		0.9	-	-	-	-	-	-
4HE1-TC		1.1	1.1	1.1	-	-	-	-
4HK1-TC		1.1	1.1	1.1	1.1			
2007 + New Cab 4HK1-TC		1.1	1.1	1.1	1.1			
6HE1-TC		-	-	-	-	1.5	1.5	1.5
6HK1-TC		-	-	-	-	-	1.5	1.5

J4

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
VALVE - RECONDITION OR REPLACE (CONT.)								
C - To Fit Guides								
ONE CYL								
		0.1	-	-	-	-	-	-
D - For Air Conditioning								
		0.6	0.6	0.6	-	-	-	-
		0.6	0.6	0.6	0.6	-	-	-
	2007 + New Cab	0.6	0.6	0.6	0.6	-	-	-
SPRING, CAP AND/OR SEAL, VALVE - REPLACE								
POLICY: C,K								
ONE CYL								
	J0548	0.8	-	-	-	-	-	-
		1.3	1.3	1.3	-	-	-	-
		1.6	1.6	1.6	1.6	-	-	-
	2007 + New Cab	3.5	3.5	3.5	3.5	-	-	-
		-	-	-	-	1.5	1.5	1.5
		-	-	-	-	1.5	1.6	1.6
ADD:								
A - To Replace Springs, Caps And/Or Seals								
(Each Additional Cyl)								
NOTE: Time not to exceed replacement of all.								
		0.3	-	-	-	-	-	-
		0.3	0.3	0.3	-	-	-	-
		0.3	0.3	0.3	0.3	-	-	-
	2007 + New Cab	0.3	0.3	0.3	0.3	-	-	-
		-	-	-	-	0.3	0.3	0.3
		-	-	-	-	0.3	0.3	0.3
B - To Replace All Springs, Caps And/Or Seals								
		0.5	-	-	-	-	-	-
		0.7	0.7	0.7	-	-	-	-
		0.7	0.7	0.7	0.7	-	-	-
	2007 + New Cab	0.7	0.7	0.7	0.7	-	-	-
		-	-	-	-	1.2	1.2	1.2
		-	-	-	-	1.2	1.2	1.2

J5

ENGINE DIESEL MECHANICAL									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR	
PUSH ROD - REPLACE POLICY: K INC: Valve adjustment ADD: A - To Replace All Push Rods	ONE Cyl. 4BD2-TC	J0588	0.6	-	0.6	-	-	-	-
	4BD2-TC		0.1	-	-	-	-	-	-
LIFTER, VALVE- REPLACE POLICY: K INC: R&R Camshaft and oil pan. ADD: A - With AIC B - To Replace Lifters (Each Additional Cyl) NOTE: Time not to exceed replacement of all lifters C - To Replace All Lifters	One Cyl. 4BD2-TC	J0628	6.3	-	6.3	-	-	-	-
			0.5	-	0.5	-	-	-	-
			0.1	-	0.1	-	-	-	-
	ALL CYL 4BD2-TC	J0629	0.3	-	0.3	-	-	-	-
			-	-	-	-	-	-	
BELT, DRIVE - ADJUST POLICY: A	ONE 6HK1-TC	J0656	0.2	0.2	0.2	0.2	-	-	-
	ALL 6HK1-TC	J0657	-	-	-	-	0.2	0.3	0.3
			0.3	0.3	0.3	0.3	-	-	-
			-	-	-	0.3	0.3	0.3	
BELT, DRIVE - REPLACE	AIC	J0660	0.3	0.3	0.3	0.3	0.2	-	0.6
	6HK1-TC		-	-	-	-	-	-	0.6
FAN/GENERATOR		J0663	0.3	0.3	0.3	0.3	0.4	0.4	0.4
PULLEY, CRANKSHAFT-REPLACE	4BD2-TC	J0700	1	-	-	-	-	-	-
	4HE1-TC		1	1.8	1	-	-	-	-

J6

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
BALANCER, HARMONIC - REPLACE POLICY: C, K INC: Drain cooling system, R&R radiator core and crankshaft pulley, plus inspection. 4BD2-TC 4HE1-TC 4HK1-TC 6HK1-TC ADD: A - With AIC	J0720	1.5	-	-	-	-	-	-
SEAL CRANKCASE FRONT COVER - REPLACE	J0740	1.5	2.5	1.5	1.5	-	-	-
SEAL, TIMING COVER OIL - REPLACE POLICY: C,K INC: R&R harmonic balance INC: R&R Timing Cover & Radiator (SIC only) 4BD2-TC 6HE1-TC 6HK1-TC ADD: A - With AIC	J0750	1.5	-	-	-	-	-	-
COVER AND/OR GASKET, CRANKCASE FRONT - REPLACE POLICY: K 4HE1-TC 4HK1-TC 2007 + New Cab 4HK1-TC 6HE1-TC	J0770	3.6	3.6	3.6	-	-	-	-
COVER AND/OR GASKET, TIMING - REPLACE POLICY: C, K INC: R&R oil pan, harmonic balancer and install new balancer Drain cooling system. INC: R&R Radiator & PIS Pump (SIC only) 4BD2-TC 6HK1-TC ADD: A - With AIC	J0780	1.9	-	-	-	-	-	-
		0.5	-	-	-	-	-	-

J7

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
GEAR, CRANKSHAFT TIMING-REPLACE POLICY: C, K 4HE1-TC 4HK1-TC 6HK1-TC ADD: A - With AIC B - With Aisin Transmission	J0830	11 11 -	12.8 12.8 -	11 11 -	- 11 -	- -	9.2	9.2
CAMSHAFT TIMING GEAR/CHAIN SET REPLACEMENT 4HE1-TC 4HK1-TC ADD: A - To Replace Crankshaft Gear	J0839	3.1 3.1 0.2	- - -	- - -	- - -	- - -	- - -	- - -
GEAR, CAMSHAFT TIMING-REPLACE POLICY: C, K 4HE1-TC 4HK1-TC 2007 + New Cab 4HK1-TC 6HK1-TC	J0840	0.9 1.2 1.8 -	1.6 1.2 1.8 -	0.9 1.2 1.8 -	- 1.2 1.8 -	- -	- 1.4	- 1.4
BEARINGS, CAMSHAFT-REPLACE POLICY: C, K INC:R & R Engine (EXC. 6SA1) 4HE1-TC 4HK1-TC 2007 + New Cab 4HK1-TC 6HK1-TC	J0846	0.8 1.1 1.8 -	2.5 1.1 1.8 -	0.8 1.1 1.8 -	- 1.1 1.8 -	- - -	- - 1.5	- - 1.5
CAMSHAFT - REPLACE POLICY: C, K 4B02-TC 4HE1-TC 2007 + New Cab 4HK1-TC 6HE1-TC 6HK1-TC ADD: A - With AIC (Excluding 4HE1-TC and forward)	J0850	5.4 0.9 1.8 - -	- 2.5 1.8 - -	- 0.9 1.8 - -	- - 1.8 - -	- - 1.3 -	- - 1.3 2.9	- - - 2.9
CAP, OIL FILLER - REPLACE POLICY: E	J0900	0.2	0.2	0.2	0.2	0.2	0.2	0.2
BREATHER, CRANKCASE VENTILATION - REPLACE POLICY: C, E	J0910	0.2	0.5	0.2	0.2	0.2	0.2	0.2
OIL LEVEL INDICATOR REPLACEMENT POLICY: C	J0920	-	-	-	-	-	0.2	0.2

J8

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
TUBE, DIPSTICK - REPLACE POLICY: C	J0930	0.2	0.2	0.2	0.2	0.2	0.4	0.3
FILLER, ENGINE OIL "ENGINE REAR" - REPLACE 6HE1-TC 6HK1-TC	J0932	- -		- -	- -	0.3 -	0.3 0.3	- 0.3
PARTIAL FILTER, OIL - REPLACE POLICY: C	J0945	-		-	0.3	0.3	0.3	0.3
FILTER, OIL - REPLACE POLICY: C	J0950	0.2	0.2	0.2	0.2	0.2	0.3	0.3
ADAPTOR, OIL FILTER - REPLACE POLICY: C, K, 4BD2-TC 4HE1-TC 4HK1-TC 6HE1-TC 6HK1-TC	J0960	0.6 0.4 0.4 - -	- 0.8 0.4 - -	- 0.4 0.4 - -	- - 0.4 - -	- - - 0.7 -	- - - 0.7 0.5	- - - - 0.5
PAN AND/OR GASKET, OIL- REPLACE POLICY: C, K INC: Clean oil pump screen 4HE1-TC 4HK1-TC 2007 + New Cab 4HK1-TC 6HE1-TC 6HK1-TC ADD: A - To R&R Crossmember, Engine Mounting	J1000	0.9 1.1 0.9 - -	- 1.1 0.9 - -	0.9 1.1 0.9 - -	- 1.1 0.9 - -	- - - 2.1 -	- - 2.1 2.1 1.9	- - - - 1.9

J9

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
PUMP, ENGINE OIL - REPLACE POLICY: C, K	J1020							
4BD2-TC		1.3	-	-	-	-	-	-
4HE1-TC		10.7	10.7	10.7	-	-	-	-
4HK1-TC		10.7	10.7	10.7	10.7			
INC: 4HE1-TC, R&R Engine Assy., R&R Cylinder Head Assy.								
6HE1-TC		-	-	-	-	6.9	6.9	-
6HK1-TC		-	-	-	-	-	9.2	9.2
ADD:								
A- To Recondition Oil Pump								
4BD2-TC		0.9	-	-	-	-	-	-
6HE1-TC		-	-	-	-	0.5	0.5	-
6HK1-TC		-	-	-	-	-	0.5	0.5
B - Parking brake cable model		-	-	-	-	0.3	0.3	0.3
C - 4HE1-TC and 4HK1-TC engine with Air Conditioning		0.7	0.7	0.7	0.7	-	-	-
D - For Aisin		0.7	0.7	0.7	0.7	-	-	-
SEAL(S), CRANKSHAFT REAR MAIN - REPLACE POLICY: C, K	J1120							
INC: R&R transmission & flywheel.								
4BD2-TC		3.3		-	-	-	-	-
4BD2-TC AXLE TYPE Oil SEAL		3.5		-	-	-	-	-
4HE1-TC		2.4	2.4	2.4	-	-	-	-
4HK1-TC		2.4	2.4	2.4	2.4	-	-	-
6HE1-TC		-	-	-	-	3.1	3.1	-
6HK1-TC		-	-	-	-	-	2.8	2.8
ADD:								
A - For Allison Transmission		-	-	-	-	2.2	2.2	2.2
B - With parking brake cable model		-	-	-	-	0.3	0.3	0.3
C - For Aisin <i>NT</i> (A445)		0.7	0.7	0.7	0.7	-	-	-
D - With MSA or MBP Trans		0.5	0.5	0.5	0.5	-	-	-

J10

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
BEARING, CRANKSHAFT MAIN - REPLACE								
POLICY: C, K								
INC: R&R oil pan, oil pump, plastic type gauge bearing(s). Note: Includes cleaning, inspection and measurements/adjustments as necessary	ONE Bearing	J1150						
4BD2-TC		1.8	-	-	-	-	-	-
4HE1-TC		14.3	17.4	14.3	-	-	-	-
4HK1-TC		14.3	17.4	14.3	14.3	-	-	-
INC: 4H engine: R&R Engine Assy, R&R Cylinder Head Assy.								
6HE1-TC		-	-	-	-	12.4	12.4	-
6HK1-TC		-	-	-	-	-	-	1.2
ADD:								
A - To Replace Main Bearings (Each Additional)								
NOTE: Time not to exceed replacement of all main bearings.								
4BD2-TC		0.5	-	-	-	-	-	-
4HE1-TC		0.1	0.1	0.1	-	-	-	-
4HK1-TC		0.1	0.1	0.1	0.1	-	-	-
6HE1-TC		-	-	-	-	0.1	0.1	-
B - To Replace All Main Bearings								
4BD2-TC		1.3	-	-	-	-	-	-
4HE1-TC		0.1	0.1	0.1	-	-	-	-
4HK1-TC		0.1	0.1	0.1	0.1	-	-	-
6HE1-TC		-	-	-	-	0.4	0.4	-
C - To Replace Connecting Rod Bearings (Each)								
NOTE: Time not to exceed replacement of all connecting rod bearings.								
4BD2-TC		0.4	-	-	-	-	-	-
4HE1-TC		0.1	0.1	0.1	-	-	-	-
4HK1-TC		0.1	0.1	0.1	0.1	-	-	-
6HE1-TC		-	-	-	-	0.2	0.2	-
D - To Replace All Connecting Rod Bearings								
4BD2-TC		1.6	-	-	-	-	-	-
4HE1-TC		0.1	0.1	0.1	-	-	-	-
4HK1-TC		0.1	0.1	0.1	0.1	-	-	-
6HE1-TC		-	-	-	-	0.5	0.5	-
E - To replace with parking brake model								
6HE1-TC		-	-	-	-	0.3	0.3	-
F - To R&R Crossmember, Engine Mounting (ELECTROMATIC® Transmission)								
		0.9	-	-	-	-	-	-
G - 4H engines with Air Conditioning								
		0.7	0.7	0.7	0.1	-	-	-
H - For Aisin Aft (A445)								
		0.7	0.7	0.7	0.1	-	-	-

J11

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
BEARING, CONNECTING ROD - REPLACE POLICY: C, K INC: R&R oil pan, oil pump, plastic type gauge bearing(s)								
ONE BEARING	J1180							
4B02-TC		1.7	-	-	-	-	-	-
4HE1-TC		1.6	1.6	1.6	-	-	-	-
4HK1-TC		1.5	1.5	1.5	1.5	-	-	-
6HE1-TC		-	-	-	-	2.6	2.6	-
6HK1-TC		-	-	-	-	-	1.2	1.2
AOO: A - To Replace Connecting Rod Bearings (Each Additional) NOTE: Time not to exceed replacement of all connecting rod bearings.								
4B02-TC		0.4	-	-	-	-	-	-
4HE1-TC		0.2	0.2	0.2	-	-	-	-
4HK1-TC		0.2	0.2	0.2	0.2	-	-	-
6HE1-TC		-	-	-	-	0.2	0.2	-
6HK1-TC		-	-	-	-	-	0.2	0.2
B - To Replace All Connecting Rod Bearings								
4B02-TC		1.2	-	-	-	-	-	-
4HE1-TC		0.3	0.3	0.3	-	-	-	-
4HK1-TC		0.3	0.3	0.3	0.3	-	-	-
6HE1-TC		-	-	-	-	0.5	0.5	-
6HK1-TC		-	-	-	-	-	0.5	0.5
C - To R&R Crossmember, Engine Mounting (ELECTROMA TIC@ Transmission)		0.9	-	-	-	-	-	-
CRANKSHAFT - REPLACE POLICY: C, K INC: R&R engine assy	J1200							
4B02-TC		8.9	-	-	-	-	-	-
4HE1-TC		14.3	17.4	14.3	-	-	-	-
4HK1-TC		14.3	17.4	14.3	14.3	-	-	-
INC: 4H Engines, R&R Cylinder Head Assy.								
6HE1-TC		-	-	-	-	12.2	12.2	-
6HK1-TC		-	-	-	-	-	11.3	11.3
AOO: A - With NC								
4B02-TC		1.3	-	-	-	-	-	-
4HE1-TC		0.7	0.7	0.7	-	-	-	-
4HK1-TC		0.7	0.7	0.7	0.7	-	-	-

J12

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
CRANKSHAFT - REPLACE (CONT'D)	J1200							
B - To R&R Cyl Head								
4B02-TC		1.8	-	-	-	-	-	-
6HE1-TC		-	-	-	-	2.7	2.7	-
6HK1-TC		-	-	-	-	2.7	2.7	2.7
C - To Replace Rod And/Or Pin (Only)	EACH ROD							
NOTE: Time not to exceed repl.acement of all rods	4B01-T	0.3	-	-	-	-	-	-
4B02-TC		0.3	-	-	-	-	-	-
6HE1-TC		-	-	-	-	0.1	0.1	-
6HK1-TC		-	-	-	-	0.1	0.1	0.1
	ALL RODS							
4B02-TC		0.8	-	-	-	-	-	-
6HE1-TC		-	-	-	-	0.3	0.3	-
6HK1-TC		-	-	-	-	0.3	0.3	0.3
D - For Aisin AfT (A445)		0.7	0.7	0.7	0.7	-	-	-
PISTON, ROD AND/OR RINGS - REPLACE								
POLICY: C, K								
INC:R&R oil pan and cyl head, R&R piston and rod assy	J1308							
	ONE CYL							
4B02-TC		6	-	-	-	-	-	-
4HE1-TC		5.5	7.2	5.5	-	-	-	-
4HK1-TC		-	-	-	-	-	-	-
6HE1-TC		-	-	-	-	6.1	6.1	-
6HK1-TC		-	-	-	-	6.1	6.6	6.6
ADD:								
A - To Recondition Valves	ALL CYL							
4B02-TC		1.6	-	-	-	-	-	-
6HE1-TC		-	-	-	-	2.2	2.2	-
6HK1-TC		-	-	-	-	2.2	2.2	2.2

J13

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
PISTON, ROD AND/OR RINGS - REPLACE (CONT'D)	J1308							
B - To Replace Piston, Rod And/Or Rings								
EACH ADDITIONAL CYL								
4BD2-TC		0.6		-	-	-	-	-
4HE1-TC		0.3	0.3	0.3	-	-	-	-
4HK1-TC		0.3	0.3	0.3	0.3			
6HE1-TC		-		-	-	0.2	0.2	-
6HK1-TC		-		-	-	0.2	0.2	0.2
ALL CYL								
4BD2-TC		1.8		-	-	-	-	-
4HE1-TC		0.7	0.7	0.7	-	-	-	-
4HK1-TC		0.7	0.7	0.7	0.7			
6HE1-TC		-		-	-	0.9	0.9	-
6HK1-TC		-		-	-	0.9	0.9	0.9
C - To Replace Cylinder Liner								
DOES NOT INC: B								
ONE CYL								
4BD2-TC		0.5		-	-	-	-	-
4HE1-TC		0.2	0.2	0.2	-	-	-	-
4HK1-TC		0.2	0.2	0.2	0.2			
6HE1-TC		-		-	-	0.1	0.1	-
6HK1-TC		-		-	-	0.1	0.1	0.1
ALL CYL								
4BD2-TC		2		-	-	-	-	-
4HE1-TC		0.7	0.7	0.7	-	-	-	-
4HK1-TC		0.7	0.7	0.7	0.7			
6HE1-TC		-		-	-	0.5	0.5	-
6HK1-TC		-		-	-	0.5	0.5	0.5
D - To R&R Crossmember, Engine Mounting (ELECTROMATIC® Transmission)		0.9		-	-	-	-	-
E - To recondition valves - all Cylnders		-	-	-	-	2.2	2.2	2.2
F - 4H engines with Air Conditioning		0.6	0.6	0.6	0.6	-	-	-

J14

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
FLYWHEEL (Aft FLEXPLATE) - REPLACE	J1400							
POLICY: C, K								
INC: R&R transmission								
EXCLUDING 4HE1-TC		3.5	-	-	-	4.5	4.5	4.5
4HE1-TC		3.4	3.4	3.4	-	-	-	-
4HK7-TC		2.6	2.6	2.6	2.6			
2007 + New Cab 4HK1-TC		2.8	2.8	2.8	2.8			
6HK1-TC		-	-	-	-	-	2.7	2.7

J15

ENGINE DIESEL MECHANICAL

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FSR FTR FVR	HTR HVR HXR
FLYWHEEL (MANUAL TRANSMISSION) - R&R OR REPLACE POLICY: C, K, S (for resurface) INC: R&R transmission	J1420							
4BD2-TC		3.3		-	-	-	-	-
4HE1-TC		2.8	2.8	2.8	-	-	-	-
4HK1-TC		2.8	2.8	2.8	2.8	-	-	-
6HE1-TC		-	-	-	-	2.9	2.9	-
6HK1-TC		-	-	-	-	2.9	2.9	2.9
A - To Reface Flywheel								
B - To Replace Clutch Pilot Bearing								
4BD2-TC		0.2		-	-	-	-	-
4HE1-TC		0.2	0.2	0.2	-	-	-	-
4HK1-TC		0.2	0.2	0.2	0.2	-	-	-
C - To Replace Ring Gear								
4BD2-TC		0.5		-	-	-	-	-
4HE1-TC		0.5	0.5	0.5	-	-	-	-
4HK1-TC		0.5	0.5	0.5	0.5	-	-	-
6HE1-TC		-	-	-	-	0.3	0.3	-
D - With MSA or MBP Trans								
4HE1-TC		0.5	0.5	0.5	-	-	-	-
4HK1-TC		0.5	0.5	0.5	0.5	-	-	-
HOUSING, FLYWHEEL - REPLACE POLICY: C, K INC: R&R Transmission and R&R Engine Assy. (4H Engines)	J1460							
4BD2-TC		3.6	-	-	-	-	-	-
4HE1-TC		10.4	13.4	10.4	-	-	-	-
4HK1-TC		10.4	13.4	10.4	10.4	-	-	-
6HE1-TC		-	-	-	-	7.2	7.2	-
6HK1-TC		-	-	-	-	7.2	8.9	8.9
ADD:								
A - With Flywheel P.T.O.								
B - With parking brake cable								
6HE1-TC		-	-	-	-	0.3	0.3	-
6HK1-TC		-	-	-	-	0.3	0.3	0.3
C - With Air Conditioning								
4HE1-TC		0.5	0.5	0.5	-	-	-	-
4HK1-TC		0.5	0.5	0.5	0.5	-	-	-
D - For Aisin Aft (A445)								
4HE1-TC		0.7	0.7	0.7	-	-	-	-
4HK1-TC		0.7	0.7	0.7	0.7	-	-	-

J16

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
MOUNT, ENGINE - REPLACE POLICY: K FRONT RIGHT	J1500							
	4B02-TC	0.6	-	-	-	-	-	-
	4HE1-TC	0.4	0.6	0.4	-	-	-	-
	4HK1-TC	0.4	0.6	0.4	0.4	-	-	-
	6HE1-TC	-	-	-	-	0.4	0.4	-
	6HK1-TC	-	-	-	-	0.4	0.5	0.5
LEFT	J1501							
	4B02-TC	0.6	-	-	-	-	-	-
	4HE1-TC	0.4	0.6	0.4	-	-	-	-
	4HK1-TC	0.4	0.6	0.4	0.4	-	-	-
	6HE1-TC	-	-	-	-	0.4	0.4	-
	6HK1-TC	-	-	-	-	0.4	0.5	0.5
BOTH	J1507							
	4B02-TC	1	-	-	-	-	-	-
	4HE1-TC	0.5	1	0.5	-	-	-	-
	4HK1-TC	0.5	1	0.5	0.5	-	-	-
	6HE1-TC	-	-	-	-	0.7	0.7	-
	6HK1-TC	-	-	-	-	0.7	0.7	0.7
REAR RIGHT	J1510							
	6HE1-TC	-	-	-	-	0.5	0.5	-
	6HK1-TC	-	-	-	-	0.5	0.5	0.5
LEFT	J1511							
	6HE1-TC	-	-	-	-	0.4	0.5	-
	6HK1-TC	-	-	-	-	0.4	0.5	0.5
CENTER	J1516							
	4B02-TC		-	-	-	-	-	-
	(EXC. ELECTROMATIC®)	0.4	-	-	-	-	-	-
	(W /ELECTROMA TIC®)	1.3	-	-	-	-	-	-
4HE1-TC with AISIN A445	0.4	0.5	0.4	0.4	-	-	-	
BOTH	J1517							
	6HE1-TC	-	-	-	-	0.8	0.8	-
	6HK1-TC	-	-	-	-	0.8	0.7	0.7

J17

ENGINE DIESEL MECHANICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BLOCK, ENGINE FITTED - REPLACE POLICY: A, C, K	J1800	-	-	-	-	16.8	16.8	-
ENGINE PARTIAUBASIC (short block) - REPLACE POLICY: A, C, K INC: R&R and transfer of parts/mise hardware, crate and uncrate of engine, adjust injection pump timing	J1820							
4BD2-TC		12.8	-	-	-	-	-	-
4HE1-TC		13.4	16.5	13.4	-	-	-	-
4HK1-TC		13.4	16.5	13.4	13.4	-	-	-
6HE1-TC		-	-	-	-	14.7	14.7	-
6HK1-TC		-	-	-	-	14.7	14.7	14.7
ADD: A - With A/C		0.7	0.7	0.7	0.7	2	0.9	0.9
B - With parking brake cable model	6HE1-TC	-	-	-	-	0.3	0.3	-
C - 4HE1-TC, with Aisin AFT (A445)		0.7	0.7	0.7	0.7	-	-	-
ENGINE ASSEMBLY, UNIVERSAL (long block) - REPLACE POLICY: A, C, K INC: R&R Exh. Manifold with Turbocharger attached, transfer of parts/misc. hardware, adjusting injection pump timing and uncrating & crating parts	J1840							
4BD2-TC		9.7	-	-	-	-	-	-
4HE1-TC		8.5	11.6	8.5	-	-	-	-
4HK1-TC		8.5	11.6	8.5	8.5	-	-	-
ADD: A - With A/C		0.7	0.7	0.7	0.7	-	-	-
8 - With ELECTROMATIC® Transmission		0.5	-	-	-	-	-	-
C - With Aisin Transmission		0.7	0.7	0.7	0.7	-	-	-
ENGINE ASSEMBLY (complete assembly) - REPLACE POLICY: A, C, K	J1880							
4BD2-TC		6.5	-	6.5	-	-	-	-
4HE1-TC		4.8	7.9	4.8	4.8	-	-	-
4HK1-TC		5	7.9	5	5	-	-	-
2008 + MY - 4HK1-TC		4	7.9	4	4	-	-	-
6HE1-TC		-	-	-	-	6	6	-
6HK1-TC		-	-	-	-	6	6	13.3
ADD: A - With A/C		0.3	0.3	-	-	-	-	-
4BD2-TC		0.3	0.3	-	-	-	-	-
4HE1-TC		0.5	0.5	0.5	-	-	-	-
4HK1-TC		0.7	0.7	0.7	0.7	-	-	-
6HE1-TC		-	-	-	-	0.9	0.9	0.9
6HK1-TC		-	-	-	-	0.9	0.9	0.9
B - With Automatic Transmission		0.5	-	-	-	-	-	-
4BD1-T		0.5	-	-	-	-	-	-
4HE1-TC		0.7	0.7	0.7	-	-	-	-
4HK1-TC		0.7	0.7	0.7	0.7	-	-	-
C - With parking brake model	6HE1-TC	-	-	-	-	0.3	0.3	0.3
	6HK1-TC	-	-	-	-	0.3	0.3	0.3
D - With MSA or MBP Trans	4HK1-TC	0.5	0.5	0.5	0.5	-	-	-

J18

ENGINE DIESEL COOLING								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PLUG EXPANSION - REPLACE POLICY: C, K NOTE: Use appropriate labor operation for removal of needed components to gain access to plug.	J1600	-	-	-	-	0.3	0.3	-
6HK1-TC - -		-	-	-	-	0.3	0.3	0.3
PLUG, OIL GALLERY - REPLACE POLICY: C, K NOTE: Use appropriate labor operation for removal of needed components to gain access to plug	J1640	-	-	-	-	0.3	0.3	-
6HK1-TC - -		-	-	-	-	0.3	0.3	0.3
COCK OR PLUG, RADIATOR DRAIN - REPLACE	J2040	-	-	-	-	-	-	0.3
COOLING SYSTEM LEAK - ANALYZE POLICY: C	J3010	-	-	-	-	-	0.3	0.3
6HK1-TC -		-	-	-	-	-	0.3	0.3
CAP, RADIATOR FILLER - REPLACE INC: Pressure test cap.	J3020	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RADIATOR ASSEMBLY - R&R POLICY: S INC: Drain and refill radiator	J3080							
4BD2-TC 4HE1-TC 4HK1-TC 6HE1-TC 6HK1-TC		1.6	-	-	-	-	-	-
		1.1	2	1.1	-	-	-	-
		1.1	2	1.1	1.1	-	-	-
		-	-	-	-	1.3	1.3	-
		-	-	-	-	-	0.5	2.1
ADD: A - With AIC B - With Auto Trans C - With Surge Tank Or Coolant Reservoir Tank		0.3	0.3	0.3	-	-	-	-
		0.2	0.2	0.2	0.2	0.4	-	-
		0.2	0.2	0.2	0.2	0.3	-	-
RADIATOR ASSEMBLY-REPLACE INC: Drain and refill radiator	J3100							
4BD2-TC 4HE1-TC 4HK1-TC 6HE1-TC 6HK1-TC		1.7	-	-	-	-	-	-
		1.2	2.3	1.2	-	-	-	-
		1.2	2.3	1.2	1.2	-	-	-
		-	-	-	-	1.3	4.9	-
		-	-	-	-	-	4.9	2.1
ADD: A - With AIC B - With Auto Trans C - With Surge Tank Or Coolant Reservoir Tank		0.3	0.3	0.3	0.3	0.4	-	-
		0.2	0.2	0.2	0.2	0.4	-	-
		0.2	0.2	0.2	0.2	0.3	-	-

J19

ENGINE DIESEL COOLING								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
COOLER, ENGINE OIL - REPLACE POLICY: C, K	J3120	2.7	3.8	2.7	2.7	3.9	3.9	3.9
Cooler, Engine Oil (Auxiliary) - Replace 6HK1-TC	J3121	-	-	-	-	3.9	0.7	0.7
COOLER ASSEMBLY, EGR - REPLACE Policy E 4HK1-TC	J3122	0.7	0.7	0.7	0.7	-	-	-
ADAPTER, ENGINE OIL COOLER - REPLACE	J3140	-	-	-	-	-	-	0.9
HOSE AND/OR LINE ENGINE OIL COOLER - REPLACE 6HK1-TC - ONE BOTH	J3176 J3177	- -	- -	- -	- -	- -	- -	0.4 0.7
TUBE, OVERFLOW - REPLACE	J3180	-	-	-	-	-	-	0.2
SUPPORT, RADIATOR - REPLACE COMPLETE INC: Drain and refill. 4HE1-TC 4HK1-TC 6HK1-TC	J3207	0.3 0.3 -	0.3 0.3 -	0.3 0.3 -	- 0.3 -	- - 0.3	- - 2.4	- - -
SHROUD, RADIATOR FAN - REPLACE ONE PIECE 4BD2-TC 4HE1-TC 4HK1-TC 6HE1-TC 6HK1-TC	J3247	0.6 0.8 0.8 - -	- 0.8 0.8 - -	- 0.8 0.8 - -	- - 0.8 - -	- - - 0.8 0.8	- - - 0.8 1.3	- - - - 0.9
RESERVOIR, RADIATOR COOLANT - REPLACE 4HE1-TC 4HK1-TC 6HK1-TC ADD: A - To Replace Reservoir Bracket (each)	J3260	0.2 0.2 - 0.2	0.2 0.2 - 0.2	0.2 0.2 - 0.2	0.3 - 0.3 -	0.3 - 0.3 -	0.3 - 0.9 0.2	0.3 - 0.8 -

J20

ENGINE DIESEL COOLING								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BRACKET, RADIATOR COOLANT RESERVOIR - REPLACE 6HK1-TC	J3280	0.5 -	0.5 -	0.5 -	0.5 -	- 0.4	- 0.5	- 0.5
CLAMP, RADIATOR HOSE-REPLACE ONE 6HK1-TC ADD: A - To Replace Clamp	J3340	0.3 - 0.1	0.3 - 0.1	0.3 - 0.1	0.3 - 0.1	- 0.3 0.1	- 0.6 -	- 1 -
HOSE, ENGINE COOLANT - REPLACE INC: Drain and refill radiator.								
UPPER 4BD2-TC 4HE1-TC 4HK1-TC 6HE1-TC 6HK1-TC	J3362	0.3 0.3 0.3 - -	- 0.9 0.9 - -	- 0.3 0.3 - -	- - 0.3 - -	- - - 0.2 0.2	- - - 0.8 0.8	- - - - 1
LOWER 4BD2-TC 4HE1-TC 4HK1-TC 6HE1-TC 6HK1-TC	J3363	0.3 0.4 0.4 - -	- 1 1 - -	- 0.4 0.4 - -	- - 0.4 - -	- - - 0.3 -	- - - 0.3 0.9	- - - - 1.6
BOTH 4BD2-TC 4HE1-TC 4HK1-TC 6HE1-TC 6HK1-TC	J3367	0.4 0.5 0.4 - -	- 1.1 1.1 - -	- 0.5 0.4 - -	- - 0.4 - -	- - - 0.7 0.6	- - - 0.7 1	- - - - 1.7
BELL - MOUTH; FAN GUIDE - R&R 4HE1-TC 4HK1-TC 6HE1-TC 6HK1-TC	J3375	- 0.4 0.4 - -	- 1.8 1.8 - -	- 0.4 0.4 - -	- - 0.4 -	- - 0.6 0.6	- - - -	- - - -
BLADE, FAN - REPLACE 4BD2-TC 4HE1-TC 4HK1-TC 2007 + New Cab 4HK1-TC 6HE1-TC 6HK1-TC	J3380	0.5 0.9 0.9 0.5 - -	- 1.8 1.8 0.5 - -	- 0.9 0.9 0.5 - -	- - 0.9 0.5 - -	- - - 0.6 0.6	- - - 0.6 0.7	- - - - - 0.8

J21

ENGINE DIESEL COOLING									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
CLUTCH ASM, FAN - REPLACE	J3390								
4HE1-TC		0.9	1.8	0.9	-	-	-	-	
4HK1-TC		0.9	1.8	0.9	0.9	-	-	-	
2007 + New Cab 4HK1-TC		0.5	1.8	0.5	0.5	-	-	-	
6HK1-TC		-	-	-	-	0.7	1.1	0.6	
PULLEY, COOLANT PUMP - REPLACE	J3420								
POLICY: C									
INC: Adjust belt tension.									
4BD2-TC		1	-	-	-	-	-	-	
4HE1-TC		1	1.6	1	-	-	-	-	
4HK1-TC		1	1.6	1	1	-	-	-	
6HE1-TC		-	-	-	-	1.1	1.1	-	
6HK1-TC		-	-	-	-	1.1	0.8	0.8	
HOSE OR PIPE, THERMOSTAT BY-PASS - REPLACE	J3460								
6HK1-TC		0.4	0.4	0.4	0.3	0.3	-	-	
INC: Drain and refill and nee.		-	-	-	-	-	-	-	
PUMP AND/OR GASKET, COOLANT - REPLACE	J3480								
POLICY: C, K									
INC: Drain and refill as nee. R&R fan pulley and adjust fan belt tension.									
4BD2-TC		1.3	-	-	-	-	-	-	
4HE1-TC		1.3	2.1	1.3	-	-	-	-	
4HK1-TC		1.3	2.1	1.3	1.3	-	-	-	
2007 + New Cab 4HK1-TC		0.9	2.1	0.9	0.9	-	-	-	
6HE1-TC		-	-	-	-	1.1	3.6	1.1	
6HK1-TC		-	-	-	-	1.1	3.6	0.9	
THERMOSTAT, OUTLET AND/OR GASKET - REPLACE	J3500								
POLICY: C									
4BD2-TC		0.4	-	-	-	-	-	-	
4HE1-TC		0.3	0.3	0.3	-	-	-	-	
4HK1-TC		0.3	0.3	0.3	0.3	-	-	-	
6HE1-TC		-	-	-	-	0.4	0.8	-	
INC: Drain and refill as needed.									
PIPE, WATER PUMP OUTLET - WATER PUMP TO ENGINE OIL COOLER - REPLACE	J3513								
		-	-	-	-	-	-	-	0.7
HOSE AND/OR PIPE, COOLENT VENT - HOSE - REPLACE	J3515								
		-	-	-	-	-	-	-	0.7
HOSE AND/OR PIPE, COOLANT VENT - PIPE - REPLACE	J3516								
		-	-	-	-	-	-	-	0.7
NIPPLE, HEATER COOLANT FLOW - FRONT - REPLACE	J3517								
		-	-	-	-	-	-	-	0.8
NIPPLE, HEATER COOLANT FLOW - REAR - REPLACE	J3518								
		-	-	-	-	-	-	-	0.8

J22

ENGINE DIESEL COOLING								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
HOUSING AND/OR GASKET, THERMOSTAT - REPLACE POLICY: C, K	J3520							
4BD2-TC		0.9	-	-	-	-	-	-
4HE1-TC		0.3	0.3	0.3	-	-	-	-
4HK1-TC		0.4	0.4	0.4	0.4	-	-	-
6HK1-TC		-	-	-	-	0.8	0.8	0.8
CORD, ENGINE COOLANT HEATER - REPLACE Note: Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	J3523	-	-	-	-	-	0.6	0.2
		-	-	-	-	-	.0-0.3	.0-0.3
HEATER, ENGINE COOLANT - REPLACE Note: Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	J3524	-	-	-	-	-	0.4	0.5
		-	-	-	-	-	.0-0.3	.0-0.3
COOLING SYSTEM - FLUSH	J3540							
All INC:Drain cooling system, R&R thermostat flush with clear water, refill and test coolant		0.8	0.8	0.8	0.8	0.8	0.8	0.8
PULLEY AND/OR FAN, GENERATOR - REPLACE	J4020	-	-	-	-	-	-	0.5

J23

ENGINE DIESEL ELECTRICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
GENERATOR ASSEMBLY, DISASSEMBLE, INSPECT, TEST AND REASSEMBLE	J4080							
6HK1-TC		-	-	-	-	-	1.3	1.3
ADD:								
A - To Replace Rotor, Drive End Frame, Pulley, Fan And/Or Front Bearing		-	-	-	-	-	0.4	-
B - To Replace Stator		-	-	-	-	-	0.3	-
C - To Replace Diode Trio		-	-	-	-	-	0.3	-
D - To Replace Rectifier Bridge And/or Battery Post Terminal And/or Capacitor		-	-	-	-	-	0.4	-
E - To Replace Resistor, Brushes, Brush Holder And/or Regulator		-	-	-	-	-	0.4	-
F - To Recondition Complete		-	-	-	-	-	1	-
GENERATOR ASSEMBLY - REPLACE	J4100							
INC:Transfer pulley and adjust belt tension	4HE1-TC .	.6	-	0.6	-	-	-	-
	4HK1-TC	0.5	0.9	0.5	0.5	-	-	-
	2007 + New Cab 4HK1-TC	0.5	0.5	0.5	0.5	-	-	-
	6HK1-TC	-	-	-	-	0.6	0.6	0.4
ADD:								
A - with Air Conditioning		0.5	-	0.5	-	-	-	-
actual time performing diagnosis.		0.0-0.3	0.0-0.3	0.0-0.3	0.0-0.3	0.0-0.3	0-0.5	0-0.5
BRACKET, GENERATOR MOUNTING - REPLACE	J4160							
	4BD2-TC	0.9	-	-	-	-	-	-
	4HE1-TC	0.9	0.9	0.9	0.9	-	-	-
	6HE1-TC	-	-	-	-	0.6	0.6	-
ADD:								
A - With AIC	4HE1-TC	0.2	-	-	-	-	-	-
		0.6	0.6	0.6	0.6	-	-	-
RING, CAMSHAFT POSITION SENSOR RELUCTOR - REPLACE	J4347							
Note: Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.		-	-	-	-	-	-	1.0
		-	-	-	-	-	.0-0.3	.0-0.3

J24

ENGINE DIESEL ELECTRICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SENSOR, CAMSHAFT POSITION - REPLACE Note: Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	J4350	-	-	-	-	-	-	1.0
		-	-	-	-	-	.0-0.3	.0-0.3
SENSOR, CRANKSHAFT POSITION - REPLACE POLICY: C, , E, K Note: Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	J4355	-	-	-	-	-	-	0.5
		-	-	-	-	-	.0-0.3	.0-0.3
SENSOR, CRANKSHAFT POSITION - REPLACE Note: Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	J4355	-	-	-	-	-	-	0.5
		-	-	-	-	-	.0-0.3	.0-0.3
REPLACE	J4356	-	-	-	-	-	-	9.1
SESNOR, CAMSHAFT POSITION - REPLACE 4HK1-TC 2007 + New Cab 4HK1-TC Add: DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours	J4350	0.5 0.2	0.5 0.2	0.5 0.2	0.5 0.2	-	-	-
SESNOR, CrankSHAFT POSITION - REPLACE 4HK1-TC 2007 + New Cab 4HK1-TC Add: DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours	J4355	0.5 0.2 0.0-0.3	0.5 0.2 0.0-0.3	0.5 0.2 0.0-0.3	0.5 0.2 0.0-0.3	-	-	-
SENSOR, KNOCK - REPLACE Note: Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	J4437	-	-	-	-	-	-	1.0
		-	-	-	-	-	.0-0.3	.0-0.3
MOTOR ASSEMBLY, STARTER - R&R	J4620							
4BD2-TC		0.5		-	-	-	-	-
4HE1-TC		0.6	0.6	0.6	-	-	-	-
4HK1-TC		0.3	0.3	0.3	0.3	-	-	-
2007 + New Cab 4HK1-TC		0.4	0.4	0.4	0.4	-	-	-
6HE1-TC		-		-	-	0.3	0.3	-
6HK1-TC		-		-	-	-	0.5	0.4
ADD:								
A - To Replace Solenoid		0.1	0.1	0.1	0.1	0.3	0.3	-
B - To Replace Starter Drive Assy	4HE1-TC	0.3	0.3	0.3	0.3	0.4	0.4	-
C - To Recondition Starter Motor		0.6	0.6	0.6	0.6	1.1	1.1	0.3
INC: Adds Band E.								
D - To Replace Field Coils		0.2	0.2	0.2	0.2	0.3	0.3	-
E - To Recondition Armature	4HE1-TC	0.4	0.4	0.4	1	1	1	-
F - To Replace Drive Housing Bushing		-	-	-	-	0.3	0.3	-
actual								
time performing diagnosis.		0-3	0-3	0-3	0-3	0-3	0-3	0-3
MOTOR ASSEMBLY, STARTER - REPLACE	J4640							
4BD2-TC		0.5	-	-	-	-	-	-
4HE1-TC		0.4	0.4	0.4	-	-	-	-
4HK1-TC		0.4	0.3	0.4	0.4	-	-	-
6HE1-TC		-	-	-	-	0.3	0.5	-
6HK1-TC		-	-	-	-	0.3	0.5	0.5
DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.		0-3	0-3	0-3	0-3	0-3	0-3	0-3

J25

ENGINE DIESEL ELECTRICAL

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
CONTROLLER, QOS (QUICK ON START) - REPLACE 4HE1-TC DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J4715	0.3 0-3	0.3 0-3	0.3 0-3	0.3 0-3	- -	- -	- -
RESISTOR, DROPPING - REPLACE 4HE1-TC 4HK1-TC DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J4730	0.2 0.5 0-3	0.2 0.5 0-3	0.2 0.5 0-3	- 0.5 0-3	- - -	- - -	- - -
GLOW PLUG (ONE OR ALL) - REPLACE POLICY: C, E 4BD2-TC 4HE1-TC 4HK1-TC 2007 + New Cab 4HK1-TC 6HE1-TC 6HK1-TC DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J4768	0.2 0.2 0.2 1.4 - - 0-3	- 0.5 0.5 0.5 - - 0-3	- 0.2 0.2 1.4 - - 0-3	- - 0.2 1.4 - - 0-3	- - - - 0.4 - 0-3	- - - - 0.4 0.3 -	- - - - - 0.3 -
SWITCH, GLOW PLUG CONTROL - REPLACE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J4790	0.2 0-3	0.2 0-3	0.2 0-3	0.2 0-3	- -	- -	- -
RELAY - GLOW PLUG - REPLACE POLICY: C, E 6HK1-TC	J4792	-	-	-	-	-	0.3	0.3
MODULE, GLOW PLUG CONTROL (DIESEL) DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J4820	0.8 0-3	0.8 0-3	0.8 0-3	0.8 0-3	- -	- -	- -

J26

Engine Controls and Fuel								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HXR
AIR CLEANER ASSEMBLY - REPLACE POLICY: E 2007 + New Cab 4HK1-	J5000	0.4 0.3	0.4 0.3	0.4 0.3	0.4 0.3	0.4 -	0.6 -	0.3 -
PIPE, AIR PICK UP - REPLACE POLICY: E	J5012	0.2	0.2	0.2	0.2	-	-	-
PIPE, AIR CLEANER TO TURBO - REPLACE POLICY: E	J5013	0.4	0.4	0.4	0.4	0.4	0.4	0.4
PIPE, INTAKE: TURBO TO INLET MANIFOLD - R&R POLICY: E	J5014	0.3	0.3	0.3	0.3	0.7	0.7	0.4
DUCT AND/OR HOSE, OUTSIDE AIR - REPLACE POLICY: E	J5020	-	-	-	-	-	-	0.8
NUT AND/OR GASKET, FUEL INLET OR OUTLET - REPLACE POLICY: E	J5027	-	-	-	-	-	-	1.3
REGULATOR (LIMITER), FUEL PRESSURE - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J5185	0.2 .0-0.3	0.2 .0-0.3	0.2 .0-0.3	0.2 .0-0.3	0.3 -	0.3 -	0.3 -
SWITCH, FAST IDLE - REPLACE Note: Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	J5287	- -	- -	- -	- -	- -	- -	0.9 .0-0.3
CABLE, ACCELERATOR CONTROL - REPLACE	J5330	0.6	1.1	0.6	0.6	0.6	0.6	-
CABLE, ENGINE STOP - REPLACE	J5332	0.4	0.9	0.4	0.3	-	-	-
SOLENOID, ENGINE STOP - REPLACE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J5335	0.4 0-3	0.4 0-3	0.4 0-3	0.4 0-3	- -	- -	- -
PEDAL, ACCELERATOR - REPLACE	J5350	0.4	0.4	0.4	0.4	0.2	0.3	0.2
ENGINE EXHAUST BRAKE SYSTEM COMPONENTS-REPLACE								
CYL ASSY 2007 + New Cab 4HK1-TC	J5392	0.3 0.2	0.3 0.2	0.3 0.2	0.3 0.2	0.4 -	0.4 -	0.4 -
VALVE ASSEMBLY 4HK1-TC 2007 + New Cab 4HK1-TC	J5393	1.1 0.5 0.6	1.1 0.5 0.6	1.1 0.5 0.6	- 0.5 0.6	1.2 - -	1.1 - -	1.1 - -
2007 + New Cab 4HK1-TC	J5394	0.3 0.2	0.3 0.2	0.3 0.2	0.3 0.2	0.3 -	1.3 -	1.3 -
SWITCH ASSY, COMBINATION	J5395	0.5	0.5	0.5	0.3	0.3	0.3	0.3
SWITCH, ACCELERATOR EXHAUST BRAKE	J5396	0.3	0.3	0.3	0.2	0.2	0.2	0.2
SWITCH, CLUTCH EXHAUST BRAKE	J5397	0.2	0.2	0.2	0.2	0.3	0.3	0.3
FILTER, FUEL ELEMENT - REPLACE	J5420	0.2	0.5	0.2	0.2	-	-	-
PUMP AND/OR GASKET, FUEL - REPLACE POLICY: C NOTE: Fuel primer pump. actual on actual time performing diagnosis.	J5430	0.4 0-3	0.4 0-3	0.4 0-3	0.4 0-3	0.5 0-3	1.8 0-3	3.2 0-3

J27

ENGINE DIESEL FUEL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PUMP, AUSILIARY FUEL TANK TRANSFER - REPLACE actual on actual time performing diagnosis.	J5467	-	-	-	-	-	2	1.4
		-	-	-	-	-	0-.3	0-.3
SENSOR, MAF & IAT - REPLACE	J5670	0.2	0.2	0.2	0.2	-	-	-
CHARGE AIR COOLER - R&R OR REPLACE POLICY: E	J5685							
4BD2-TC		0.4		0.4	-	-	-	-
4HE1-TC		0.4	0.4	0.4	-	-	-	-
4HK1-TC		0.4	0.4	0.4	0.4	-	-	-
6HE1-TC		-		-	-	0.4	0.4	0.4
6HK1-TC		-		-	-	-	0.6	0.6
INLET PIPE AND/OR GASKET, CHARGE AIR COOLER TO INTAKE MANIFOLD - R&R /REPLACE POLICY: E	J5688							
4BD2-TC		0.5		-	-	-	-	-
4HE1-TC		0.2	0.9	0.2	-	-	-	-
4HK1-TC		0.2	0.9	0.2	0.2	-	-	-
2007 + New Cab 4HK1-TC		0.3	0.9	0.3	0.3	-	-	-
6HE1-TC		-	-	-	-	0.4	0.4	-
6HK1-TC		-	-	-	-	0.4	0.4	0.4
INLET PIPE AND/OR GASKET, INTAKE MANIFOLD-R&R/REPLACE POLICY: E								
FRONT	J5689						0.4	0.3
REAR	J5690						0.3	0.3
4BD2-TC		0.3	-	-	-	-	-	-
6HE1-TC		-	-	-	-	0.3	0.4	0.3
BOTH	J5691							
6HK1-TC		-	-	-	-	0.6	0.6	0.6
RUBBER HOSE. CHARGE AIR COOLER TO INTAKE MANIFOLD - REPLACE POLICY: E								
ONE	J5692	0.2	0.2	0.2	0.2	0.4	0.3	0.3
BOTH	J5693	0.4	0.4	0.4	0.4	0.7	0.4	0.4

J28

ENGINE DIESEL FUEL									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
FLEXIBLE HOSE. CHARGE AIR COOLER (ONE) - REPLACE	J5694								
POLICY: E									
4BD2-TC		0.2	-	-	-	-	-	-	-
6HE1-TC		-	-	-	0.3	0.3	0.3	0.3	0.3
6HK1-TC		-	-	-	-	0.3	0.3	0.3	0.3
FLEXIBLE HOSE. CHARGE AIR COOLER (TWO) - REPLACE	J5696								
POLICY: E									
4BD2-TC		0.2	-	-	-	-	-	-	-
4HE1-TC		0.2	1	0.2	-	-	-	-	-
4HK1-TC		0.2	1	0.2	0.2	-	-	-	-
6HE1-TC		-	-	-	-	0.3	0.3	-	-
6HK1-TC		-	-	-	-	0.4	0.4	0.4	0.4
INLET PIPE. TURBO TO CHARGE AIR COOLER - R&R OR REPLACE	J5697								
POLICY: E									
		0.2	0.2	0.2	0.2	-	-	-	-
RUBBER HOSE, TURBO TO INLET PIPE - REPLACE	J5698								
POLICY: E									
		0.2	0.2	0.2	0.2	-	-	-	-
ACTUATOR, TURBOCHARGER, WASTE GATE - REPLACE	J5800								
		-	-	-	-	-	-	-	1.7
SENSOR, BOOST PRESSURE - REPLACE	J5803								
		0.2	0.2	0.2	0.2	0.2	-	-	-
CONTROL MODULE, VGS TURBOCHARGER - REPLACE									
2007 + New Cab 4HK1-TC	J5804								
		0.2	0.2	0.2	0.2	-	-	-	-
SENSOR, TURBOCHARGER VANE POSITION - REPLACE	J5806								
POLICY: E		-	-	-	-	-	0.7	0.9	0.9
VALVE, TURBOCHARGER VANE POSITION SOLENOID - REPLACE	J5807								
POLICY: E		-	-	-	-	-	0.7	0.9	0.9
RUBBER HOSE, TURBOCHARGER TO CHARGE AIR COOLER - REPLACE									
POLICY: E									
ONE	J5812								
		0.2	0.2	0.2	0.2	-	0.2	0.2	0.2
BOTH	J5813								
		0.2	0.2	0.2	0.2	-	0.3	0.3	0.3
TURBOCHARGER ASSEMBLY - REPLACE	J5860								
POLICY: A, C, E									
4BD2-TC		1.7	-	-	-	-	-	-	-
4HE1-TC		1.6	2.3	1.6	-	-	-	-	-
4HK1-TC		1.4	2.3	1.4	1.4	-	-	-	-
2007 + New Cab 4HK1-TC		1.9	2.3	1.9	1.9	-	-	-	-
6HE1-TC		-	-	-	-	1.4	1.4	-	-
6HK1-TC		-	-	-	-	1.4	0.9	4.2	4.2
ADD:									
A - To Replace Adaptor and/or Exh. Brake Valve Body		-	-	-	-	0.1	0.1	-	-
HOT PLUG - REPLACE	J5862								
POLICY: K									
4BD2-TC		4.5	-	-	-	-	-	-	-
ADD:									
A - To Replace Additional Hot Plug		0.1	-	-	-	-	-	-	-
B - To Replace All Hot Plugs		0.1	-	-	-	-	-	-	-
PIPE/HOSE TURBO OIL SUPPLY - REPLACE	J5865								
POLICY: C, K									
4BD2-TC		0.5	-	-	-	-	-	-	-
4HE1-TC		0.5	1.2	0.5	-	-	-	-	-
4HK1-TC		1.4	1.4	1.4	1.4	-	-	-	-
2007 + New Cab 4HK1-TC		0.7	1.4	0.7	0.7	-	-	-	-
6HE1-TC		-	-	-	-	0.2	0.2	-	-
6HK1-TC		-	-	-	-	0.2	0.3	0.3	0.3

J29

ENGINE DIESEL FUEL									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
CORRUGATE WASHER - REPLACE	J5868								
POLICY: K 4BD2-TC		1.1	-	-	-	-	-	-	-
ADD:									
A - To Replace Each Additional Corrugate Washer		0.1	-	-	-	-	-	-	-
B - To Replace All Corrugate Washer		0.2	-	-	-	-	-	-	-
HOSE/PIPE TURBO OIL RETURN - REPLACE	J5870								
POLICY: C, K		0.5	-	-	-	-	-	-	-
4HE1-TC		0.5	0.5	0.5	-	-	-	-	-
4HK1-TC		0.5	0.5	0.5	0.5	-	-	-	-
2007 + New Cab 4HK1-TC		0.3	0.5	0.3	0.3	-	-	-	-
6HE1-TC		-	-	-	-	0.2	0.2	-	-
6HK1-TC		-	-	-	-	-	0.2	0.2	0.2
LINE, TURBOCHARGER, WATER SUPPLY - R&R	J5885								
2007 + New Cab 4HK1-TC		0.6	0.6	0.6	0.6	-	-	-	-
'Left hand side of the engine.		0.4	0.6	0.4	0.4	-	-	-	-
LINE, TURBOCHARGER, WATER RETURN - R&R	J5886								
2007 + New Cab 4HK1-TC		1.7	1.7	1.7	1.7	-	-	-	-
*Right hand side of the engine.		1	1.7	1	1	-	-	-	-
HOSE, TURBOCHARGER, WATER SUPPLY - REPLACE	J5888								
*Right hand side of the engine.		0.4	0.4	0.4	0.4	-	-	-	-
HOSE, TURBOCHARGER, WATER SUPPLY - REPLACE	J5889								
'Left hand side of the engine.		0.3	0.3	0.3	0.3	-	-	-	-
INJECTOR, FUEL - R&R OR REPLACE	J5926								
POLICY: A, C, E									
(A-When injector nozzle and holder are replaced as a single part)									
INC: Injector Nozzle Pop Test									
ONE									
4BD2-TC		1.1	-	-	-	-	-	-	-
4HE1-TC		0.6	2.1	0.6	-	-	-	-	-
4HK1-TC		1.2	2.1	1.2	1.2	-	-	-	-
2007 + New Cab 4HK1-TC		1.8	2.1	1.8	1.8	-	-	-	-
6HE1-TC		-	-	-	-	0.9	0.9	-	-
6HK1-TC		-	-	-	-	0.9	1.8	3.9	-
ADD:									
A - To Replace Each Additional Injector									
NOTE: Time not to exceed the replacement of all injectors.									
4BD2-TC		0.1	-	-	-	-	-	-	-
4HE1-TC		0.1	0.1	0.1	-	-	-	-	-
4HK1-TC		0.1	0.1	0.1	0.1	-	-	-	-
2007 + New Cab 4HK1-TC		0.1	0.1	0.1	0.1	-	-	-	-
6HE1-TC		-	-	-	-	0.2	0.2	-	-
6HK1-TC		-	-	-	-	-	-	-	-
B - To Replace All Injector									
4BD2-TC		0.1	-	-	-	-	-	-	-
4HE1-TC		0.3	0.3	0.3	-	-	-	-	-
4HK1-TC		0.3	0.3	0.3	0.3	-	-	-	-
2007 + New Cab 4HK1-TC		0.3	0.3	0.3	0.3	-	-	-	-
6HE1-TC		-	-	-	-	0.7	0.7	-	-
6HK1-TC		-	-	-	-	0.7	0.1	0.1	-
C - To Replace Injector Nozzle (each) Tip		0.1	0.1	0.1	0.1	0.1	-	-	-
D - To Replace All Nozzle Tips		0.2	0.2	0.2	0.2	0.3	-	-	-
E - To Perform Injector Balance Test							0.4	0.4	
F - Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis							.0 - .3	.0 - .3	

J31

ENGINE DIESEL FUEL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PUMP, FUEL INJECTION (DIESEL) - EXCHANGE POLICY: A, C, E NOTE: Exchange not available on all engines. INC: R&R air intake duct, oil pipe & gaskets, fuel leak off; Uncrate;Time engine inj. pump and prime fuel system 48D2-TC 4HE1-TC 4HK1-TC 2007 + New Cab 4HK1-TC 6HE1-TC 6HK1-TC ADD: actual time performing diagnosis.	J5955	3.7 1.7 - - - -	- 9.3 - - - -	- 1.7 - - - -	- - - - - -	- - - - 3.2 -	- - - - 3.2 -	- - - - - -
GEAR AND/OR ADVANCE TIMING MECHANISM, (FUEL INJECTION PUMP) - REPLACE POLICY: C, E	J5962	3.9	3.9	3.9	3.9	4.3	4.3	4.3
COUPLING ASSY. INJECTION PUMP DRIVE - R & R POLICY: C, K 6HK1-TC	J5963	-	-	-	-	0.2	0.2	0.2
TIMING, FUEL INJECTION PUMP (DIESEL) - ADJUST POLICY: C, E Note: All Except 4HK1-TC	J5965	0.5	9.6	0.5	0.4	0.4	0.4	0.4
VALVE AND/OR GASKET, E.G.R. - REPLACE POLICY: E 4HE1-TC 4HK1-TC 2007 + New Cab 4HK1-TC 6HK1TC actual time performing diagnosis.	J6270	0.3 0.3 0.4 0.6 -	- 0.5 0.4 0.6 -	0.3 0.3 0.4 0.6 -	- - 0.4 0.6 -	- - - - -	- - - - -	- - - - 1.6 -
PIPE AND/OR FITTINGS, EGR - REPLACE POLICY: D, E	J6275	1	1	1	1	-	-	-
SENSOR, EGR TEMPERATURE 2007 + New Cab 4HK1-TC <div style="display: flex; justify-content: space-between;"> IN J6286 </div> <div style="display: flex; justify-content: space-between;"> OUT J6286 </div>	J6286 J6286	0.3 0.2	0.3 0.2	0.3 0.2	0.3 0.2	- -	- -	- -
POWERTRAIN CONTROL MODULE ENGINE POLICY: E 4HK1-TC REPROGRAMMING WITH SPS	J6354	0.3	0.3	0.3	0.3	-	0.4	0.4
CONTROLLER, ELECTRONIC CONTROL MODULE REPLACE POLICY: C, E, K 4BD2-TC 4HE1-TC 4HK1-TC 2007 + New Cab 4HK1-TC 6HE1-TC 6HK1-TC and all Configuration times SPS and all Configuration times ADD: A - Scan Tool Diagnostics (T.I.C.S. systems only) actual time performing diagnosis.	J6360	0.2 0.2 0.3 0.6 - -	- 0.2 0.3 0.6 - -	- 0.2 0.3 0.6 - -	- - 0.3 0.6 - -	- - - - 0.4 0.4	- - - - 5.4 0.3	- - - - - 0.7
ADD: A - Scan Tool Diagnostics (T.I.C.S. systems only) actual time performing diagnosis.		-	-	-	-	0.5	0.5	-
		0-3	0-3	0-3	0-3	0-3	0-3	0-3

J32

ENGINE DIESEL FUEL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SENSOR, COOLANT TEMPERATURE, T.I.C.S. - REPLACE POLICY: C, E, K <div style="margin-left: 100px;">4HE1-TC</div> <div style="margin-left: 100px;">4HK1-TC</div> <div style="margin-left: 100px;">2007 + New Cab 4HK1-TC</div> <div style="margin-left: 100px;">6HE1-TC</div> <div style="margin-left: 100px;">6HK1-TC</div> 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	J6368	0.7	0.7	0.7	-	-	-	-
		0.7	0.7	0.7	0.7	-	-	-
		0.3	0.3	0.3	0.3	-	-	-
		-	-	-	-	0.3	0.3	-
		-	-	-	-	-	0.3	0.7
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
SENSOR, MANIFOLD ABSOLUTE PRESSURE - REPLACE POLICY: E 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	J6370	-	-	-	-	-	-	1
SENSOR, INTAKE MANIFOLD TEMPERATURE - REPLACE POLICY: E <div style="margin-left: 100px;">2007 + New Cab 4HK1-</div>	J6371	0.4	0.4	0.4	0.4	-	-	-
SENSOR, THROTTLE POSITION - REPLACE POLICY: E 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	J6374	0.2	0.2	0.2	0.2	-	-	1.4
SENSOR, ENGINE SPEED - REPLACE POLICY: C, K	J6376	-	-	-	-	-	0.7	0.7
EXHAUST PRESSURE DIFFERENTIAL SENSOR PIPE REPLACEMENT POLICY: C	J6443	0.2	0.2	0.2	0.2	-	0.2	0.2
EXHAUST PRESSURE DIFFERENTIAL SENSOR REPLACEMENT POLICY: C	J6445	0.2	0.2	0.2	0.2	-	0.2	0.2
EXHAUST TEMPERATURE SENSOR REPLACEMENT POSITION 1 POLICY: C Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	J6446	0.2	0.2	0.2	0.2	-	0.2	0.2
							0-3	0-3
EXHAUST TEMPERATURE SENSOR REPLACEMENT POSITION 2 POLICY: C	J6447	0.2	0.2	0.2	0.2	-	0.2	0.2
SENSOR REPLACEMENT Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	J6460	-	-	-	-	-	0.2	0.2
							0-3	0-3

J33

ENGINE DIESEL FUEL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR	N/W	NQR	NRR	FRR	FTR	HTR
		W3/W4	CREW	W4/W5	W5500HD	WT5500	FVR	HVR
							FXR	HXR
EXHAUST PARTICULATE FILTER PRESSURE SENSOR HOSE REPLACEMENT Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.	J6462	0.2	0.2	0.2	0.2	-	0.2	0.2
							0-3	0-3
SENSOR, ENGINE SPEED - REPLACE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on on actua time performing diagnosis.	J6540	0.5	0.5	0.5	0.5	0.5	0.3	0.4
		-	-	-	-	-	0-3	0-3
IDLE SWITCH- R&R	J6550	0.3	0.3	0.3	-	-	-	-
KICKDOWN SWITCH - R&R	J6560	0.3	0.3	0.3	-	-	-	-
CUSTOMER CONCERN NOT DUPLICATED	J6991	-	-	-	-	-	.1-.3	.1-.3

J1

ENGINE MECHANICAL - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
STUD, ROCKER ARM - REPLACE POLICY: K, T INC: R&R air cleaner assy, rocker cover/gasket/arms, drive belt, AIC compressor, generator, D&C temperature sensor connector, PCV valve & valve adjustment ONE STUD RIGHT BANK LEFT BANK ADD: A - With AIC (Left) B - To Replace Additional Studs (each)	J0380 J0381	0.9 0.8	- -	- -	- -	- -	- -	- -
GASKET, CYLINDER HEAD - REPLACE POLICY: K,T INC: Drain & refill coolant; R&R air cleaner assy, upper radiator hose, generator, drive belt, AIC compressor, exhaust pipe & manifold, TBI assy, intake manifold, rocker cover & arms, push rods, spark plug; clean head surface; compression test, valve adjustment & adjust ignition timing. RIGHT BANK LEFT BANK BOTH BANKS ADD: A - With AIC	J0500 J0501 J0507	3.5 3.5 5.5	- - -	- - -	- - -	- - -	- - -	- - -
HEAD, CYLINDER - REPLACE POLICY: K,T INC: Drain & refill coolant; R&R air cleaner assy, upper radiator hose, generator, drive belt, AIC compressor, exhaust pipe & manifold, TBI assy, intake manifold, rocker cover & arms, push rods, spark plug; clean head surface; compression test, valve adjustment & adjust ignition timing. RIGHT BANK LEFT BANK BOTH BANKS ADD: A - With AIC	J0510 J0511 J0517	5.1 5 8.4	- - -	- - -	- - -	- - -	- - -	- - -

J2

ENGINE MECHANICAL - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
VALVE - RECONDITION OR REPLACE								
POLICY: K								
INC: Drain & refill coolant; R&R air cleaner assy, upper radiator hose, generator, drive belt/A/C compressor, exhaust pipe & manifold, TBI assy, intake manifold, rocker cover & arms, push rods, spark plug; clean head surface; compression test, valve adjustment & adjust ignition timing								
ONE CYL								
RIGHT BANK	J0520	3.7	-	-	-	-	-	-
LEFT BANK	J0521	3.7	-	-	-	-	-	-
BOTH BANKS	J0527	5.8	-	-	-	-	-	-
ADD:								
A - To Recondition All Valves								
INC: Replace valves as needed.								
RIGHT OR LEFT		0.9	-	-	-	-	-	-
B - To Ream & Fit Guides for Oversize Stems								
EACH ADDITIONAL CYL		0.1	-	-	-	-	-	-
SPRING, CAP & IOR SEAL, VALVE - REPLACE								
POLICY: K,T								
INC: R&R cleaner assy, generator assy, rocker arm, spark plugs & wires, valve keepers; discharge & charge compressed air in cyl from air adapter; valve adjustment								
ONE CYL								
RIGHT BANK	J0540	1.1	-	-	-	-	-	-
LEFT BANK	J0541	1	-	-	-	-	-	-
BOTH BANKS	J0547	2	-	-	-	-	-	-
ADD:								
A - To Replace Springs, Caps and Seals - All Remaining								
B - To Replace Springs, Caps & JOr Seals								
(Each Additional Cyl)		0.4	-	-	-	-	-	-
NOTE: Time not to exceed replacement of all cylinders.								
C - To Replace ALL Springs, Caps & JOr Seals								
RIGHT OR LEFT		1	-	-	-	-	-	-
PUSH ROD - REPLACE								
POLICY: K,T								
INC: R&R air cleaner assy, generator assy, rocker cover and/or gasket, replace inlet & exhaust push rods; valve adjustment								
ONE CYL								
RIGHT BANK	J0580	0.6	-	-	-	-	-	-
LEFT BANK	J0581	0.5	-	-	-	-	-	-
BOTH BANKS	J0587	1	-	-	-	-	-	-
ADD:								
A - To Replace All Push Rods								
A - To Replace All Push Rods		0.1	-	-	-	-	-	-

J3

ENGINE MECHANICAL - L31 5.7L V8									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
LIFTER, VALVE - REPLACE RIGHT BANK LEFT BANK BOTH	J0620	3.6	-	-	-	-	-	-	
	J0621	3.6	-	-	-	-	-	-	
	J0627	1.3	-	-	-	-	-	-	
BELT, PRIMARY ACCESSORY DRIVE - REPLACE	J0667	0.2							
SUPPORTT., PRIMERY ACCESSORY DRIVE BELT TENSIONER - REPLACE	J0675	0.2							
TENSIONER, PRIMARY ACCESSORY DRIVE - REPLACE	J0680	0.2	-	-	-				
PULLEY, ACCESSORY DRIVE BELT IDLER - REPLACE	J0690	0.2	-	-	-				
PULLEY, CRANKSHAFT - REPLACE	J0700	0.4	-	-	-				
BALANCER, HARMONIC - REPLACE	J0720								
SEAL, TIMING COVER OIL - REPLACE	J0750	0.6	-	-	-				
COVER & IOR GASKET, TIMING - REPLACE	J0780	1.8	-	-	-	-	-	-	
POLICY: K INC: R&R fan clutch assy, <i>drive</i> belt, flywheelcover, crankshaft pulley, water pump asm & gasket; Drain & refill coolant clean surface gasket.									
CHAIN, TIMING - REPLACE	J0820	1.8	-	-	-	-	-	-	
POLICY: K, T INC: Drain & refill coolant; R&R fan clutch assy, <i>drive</i> belt, flywheelcover, crankshaft pulley, harmonic balancer, oil pan bolts, water pump, timingcover & gasket. ADD: A - To replace crankshaft gear		0.2	-	-	-	-	-	-	
SPROCKET, CAMSHAFT TIMING-REPLACE	J0840	1.8	-	-	-	-	-	-	
POLICY: K, T INC: R&R fan clutch assy, <i>drive</i> belt, flywheelcover, water pump & hoses, heater hoses, oil pan bolts, timingcover & gasket, timing chain. ADD: A - To replace crankshaft gear		0.2	-	-	-	-	-	-	
CAMSHAFT - REPLACE	J08S0	5.4	-	-	-	-	-	-	
POLICY: K, T INC: Drain & refill coolant, R&R air cleaner assy, distributor assy upper & lower radiator hoses, radiator assy, <i>drive</i> belt, generator assy, timingcover & chain; adjust <i>valve</i> clearance, ignition timing & clean surface gaskets & apply sealant.									
CAP, OIL FILLER - REPLACE	J0900	.2	-	-	-	-	-	-	
POLICY: E									
OIL LEVEL INDICATOR - REPLACE	J0920	0.2	-	-	-	-	-	-	
TUBE, OIL LEVEL INDICATOR - REPLACE	J0930	0.2	-	-	-	-	-	-	
INC: R&R starter heat protector									
FILTER, OIL - REPLACE	J09S0	0.3	-	-	-	-	-	-	
VALVE, OIL FILTER BY-PASS - REPLACE	J0970	0.2	-	-	-	-	-	-	
POLICY: K INC: R&R oil filter.									
PAN & IOR GASKET, OIL - REPLACE	J1000	1.6	-	-	-	-	-	-	
POLICY: K INC: Drain & refill engine oil, D&C starter motor, left & right exhaust pipes, front stabilizer rod; R&R flywheel/torque converter cover, engine mounts; raise & lower engine									

J4

ENGINE MECHANICAL - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PUMP, ENGINE OIL - REPLACE POLICY: K,T INC: Drain & Refill engine oil, D&C starter motor, left & right exhaust pipes, front stabilizer rod; R&R flywheel/torque converter cover, engine mounts; raise & lower engine ADD:	J1020	1.7	-	-	-	-	-	-
HOUSING & OIL GASKET, REAR MAIN SEAL - REPLACE POLICY: K INC: R&R air cleaner assy, parking brake drum, cross member - AFT mount, flywheel cover, engine mounting bolts transmission, ring gear, starter motor, oil pan; Drain & Refill engine oil; Clean surface gasket. ADD:	J1080	4.4	-	-	-	-	-	-
SEAL(S), CRANKSHAFT REAR MAIN - REPLACE POLICY: K INC: R&R air cleaner assy, parking brake drum, cross member AFT mount, flywheel cover, engine mounting bolts transmission, ring gear, oil level gauge & tube; Drain & refill engine oil; Clean surface gasket	J1120	4.1	-	-	-	-	-	-
BEARING, CRANKSHAFT MAIN - REPLACE POLICY: K,T INC: R&R air cleaner assy, flywheel cover, engine mounting bolts oil pan; Drain & Refill engine oil; mark main bearings plastic gauge the crankshaft; Clean surface gasket ONE BEARING ADD:	J1150	2.3	-	-	-	-	-	-
A - With Engine Oil Cooler B - To Replace Main Bearings (Each Additional) C - To Replace All Main Bearings D - To Replace Connecting Rod Bearings (Each) E - To Replace ALL Connecting Rod Bearings		0.1	-	-	-	-	-	-
		0.3	-	-	-	-	-	-
		0.9	-	-	-	-	-	-
		0.3	-	-	-	-	-	-
		1.7	-	-	-	-	-	-
BEARING, CONNECTING ROD - REPLACE POLICY: K, T INC: R&R engine oil pump, connecting rod bearing cap ONE BEARING ADD:	J1180	2.2	-	-	-	-	-	-
A - With Engine Oil Cooler B - To Replace Connecting Rod Bearings (Each) C - To Replace ALL Connecting Rod Bearings		0.1	-	-	-	-	-	-
		0.5	-	-	-	-	-	-
		1.5	-	-	-	-	-	-

J5

ENGINE MECHANICAL - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
CRANKSHAFT-REPLACE POLICY: K,T INC: R&R engine assy, spark plugs & gap, water pump, timing cover/gasket/chain/gear & align marks, oil pan & pump, rear main seal/housing/gasket, mark main & cap, rod & main caps, push pistons to TDC, plastic gauge the crank, adjust timing ADD: A - With NC B - With Oil Cooler C - TO R&R Cyl Head ONLY BOTH D - To replace Piston (Only) EACH PISTON NOTE: TIME NOT TO EXCEED REPLACEMENT OF ALL PISTONS E - TO REPLACE ROD&OR PIN (Only) ALL PISTONS EACH NOTE: TIME NOT TO EXCEED REPLACEMENT OF ALL RODS ALL RODS F - To Replace Rings (Only) EACH PISTON NOTE: TIME NOT TO EXCEED REPLACEMENT OF ALL PISTONS ALL PISTONS	J1200	9.2	-	-	-	-	-	-
PISTON, ROD &IOR RINGS - REPLACE POLICY: K, T INC: R&R air cleaner assy, distributor assy, starter motor, generator, exhaust & intake manifolds, cyl head, oil pan & pump, raise & lower engine connecting rod brg cap, clean & inspect cyl head surface, valve adjust, deglaze cyl wall, adjust ignition timing. ONE CYL RIGHT BANK LEFT BANK BOTH ADD: A - With NC B - With Engine Oil Cooler C - To Recondition valves (All) D- To Replace Ring ONLY EACH ADDITIONAL PISTON ALL PISTONS E - To replace Rod ONLY EACH ADDITIONAL ROD ALL RODS F - To Replace Piston EACH ADDITIONAL PISTON ALL PISTONS	J1300 J1301 J1307	5.5 5.4 6.9	-	-	-	-	-	-
FLYWHEEL (Arr FLEXPLATE) - REPLACE POLICY: K INC: R&R transmission assy and flywheel.	J1400	3.5	-	-	-	-	-	-

J6

ENGINE MECHANICAL - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
COVER, FLYWHEEL-REPLACE	J1440	0.5	-	-	-	-	-	-
MOUNT, ENGINE - REPLACE POLICY: K,T INC: R&R distributor cover, air cleaner w/duct, install & remove engine hoist & support, Raise & lower engine								
FRONT								
RIGHT	J1500	1.1	-	-	-	-	-	-
LEFT	J1501	1.1	-	-	-	-	-	-
BOTH	J1507	1.6	-	-	-	-	-	-
PLUG EXPANSION - REPLACE POLICY: K INC: R&R distributor cover, air cleaner w/duct, install & remove engine hoist & support, Raise & lower engine	J1600	0.3	-	-	-	-	-	-
SIDE	J1640	3.4	-	-	-	-	-	-
REAR		0.4	-	-	-	-	-	-
INC: R&R flywheel (AIT flexplate)								
PLUG, CAMSHAFT REAR BEARING - REPLACE POLICY: K INC: R&R flywheel (AIT flexplate)	J1660	4.2	-	-	-	-	-	-
ENGINE, UNIVERSAL (LONG BLOCK) - REPLACE POLICY: A,K,T INC:R&R all accessory mounting braces, rear PIS pump bracket accessory mounting bolts/plate w/alt, PIS pump as unit, crank pulley, oil & water temperature units & knock sensor, spar plug/wires & gap, exhaust & intake manifolds, balancer Uncrate & crate engine; Check & set timing.	J1840	7.3	-	-	-	-	-	-
ADD:								
A - With Oil Cooler		0.1	-	-	-	-	-	-
B - With NC		0.3	-	-	-	-	-	-
ENGINE ASSEMBLY - REPLACE POLICY: A, K, T INC: R&R distributor cover w/accel cable slip, exhaust system complete, cross member AfT mount, oil level gauge & guide tube, AfT assy, air cleaner assy w/duct, bell mouth, cooling fan assy, radiator shroud wiring; Drain & refill engine oil & coolant; Uncrate & crate engine	J1880	4.9	-	-	-	-	-	-
ADD:								
A - With AIC		0.3	-	-	-	-	-	-
B - With Engine Oil Cooler		0.1	-	-	-	-	-	-
CUSTOMER CONCERN NOT DUPLICATED Note: Actual time from 0.1 to 0.3 hours spent to perform the diagnosis is to be entered as Labor Hours for this operation. Any additional diagnosis time greater than 0.3 hours must be submitted as Other Labor Hours, and have appropriate Service Management Approval and Authorization.	J9991	.1-0.3						

J7

ENGINE COOLING - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
CAP, RADIATOR FILLER - REPLACE INC: Diagnosis to pressure test cap.	J3020	0.2	-	-	-	-	-	-
COCK OR PLUG, RADIATOR DRAIN- REPLACE INC: Drain & Refill	J3040	0.3	-	-	-	-	-	-
RADIATOR ASSEMBLY - REPAIR INC: Drain & Refill	J3060	0.5						
RADIATOR ASSEMBLY - R&R POLICY: S,T INC: Drain & refill radiator, R&R fan clutch assy, upper & lower radiator hoses & stays, D&C Aft fluid cooling hoses, add Aft fluid	J3080	1.6	-	-	-	-	-	-
RADIATOR ASSEMBLY - REPLACE POLICY: T INC: Drain & refill radiator, R&R fan clutch assy, upper & lower radiator hoses & stays, D&C Aft fluid cooling hoses, add Aft fluid	J3100	1.2	-	-	-	-	-	-
TUBE, OVERFLOW - REPLACE	J3180	0.2	-	-	-	-	-	-
COMPLETE	J3207	0.2	-	-	-	-	-	-
SHROUD, RADIATOR FAN - REPLACE INC: Drain & refill engine coolant, upper & lower radiator stays fan clutch assy, D&C upper radiator hose	J3247	0.8	-	-	-	-	-	-
RESERVOIR, RADIATOR COOLANT- REPLACE	J3260	0.2	-	-	-	-	-	-
CLAMP, RADIATOR HOSE-REPLACE INC: Drain & refill engine coolant.	J3340	0.3	-	-	-	-	-	-
HOSE, ENGINE COOLANT - REPLACE POLICY: T INC: Drain & refill engine coolant.								
	UPPER J3362	0.3	-	-	-	-	-	-
	LOWER J3363	0.4	-	-	-	-	-	-
	BOTH J3367	0.4	-	-	-	-	-	-
BELL - MOUTH; FAN GUIDE - R&R INC: Drain & refill engine coolant, D&C upper radiator hose:	J3375	0.5	-	-	-	-	-	-
BLADE, FAN - REPLACE POLICY: T INC: R&R bell mouth bracket, radiator support bracket, drive be	J3380	0.5	-	-	-	-	-	-
CLUTCH ASSEMBLY, FAN - REPLACE POLICY: T INC: R&R bell mouth bracket, radiator support bracket, drive be	J3390	0.5	-	-	-	-	-	-
PULLEY, COOLANT PUMP - REPLACE POLICY: T INC: R&R bell mouth bracket, radiator support bracket, drive be	J3420	0.5	-	-	-	-	-	-
PUMP & IOR GASKET, COOLANT - REPLACE POLICY: K,T INC: Drain & refill engine coolant, D&C drive belt, water pump & heater hoses, R&R water pump pulley, water pump, fan assy clean surface gasket	J3480	1.3	-	-	-	-	-	-
THERMOSTAT, OUTLET & IOR GASKET - REPLACE POLICY: K, T INC: Drain & refill engine coolant, D&C upper radiator hose, R&F thermostat housing & gasket	J3500	0.5	-	-	-	-	-	-

J8

ENGINE COOLING - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
HOUSING & IOR GASKET, THERMOSTAT - REPLACE POLICY: K INC: Drain & refill engine coolant, D&C upper radiator hose, R&F thermostat housing & gasket	J3520	0.4	-	-	-	-	-	-
CORD, ENGINE COOLANT HEATER - REPLACE Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis:	J3523	0.4 .0-0.3	-	-	-	-	-	-
HEATER, ENGINE COOLANT - REPLACE Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis:	J3524	0.6 .0-0.3	-	-	-	-	-	-
COOLING SYSTEM - FLUSH INC: Drain cooling system, R&R thermostat flush with clear water refill & test coolant	J3540	0.8	-	-	-	-	-	-

J9

ENGINE ELECTRICAL - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
REGULATOR, VOLTAGE - TEST & REPLACE POLICY: T actual time performing diagnosis.	J4060	0.8	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
GENERATOR ASSEMBLY, DISASSEMBLE, INSPECT, TEST & REASSEMBLE POLICY: T ADD: A - To Replace Rotor, Drive End Frame, Pulley, Fan &/Or Front Bearing B - To Replace Stator C - To Replace Diode Trio D - To Replace Rectifier Bridge and/or Battery Post Terminal and/or Capacitor E - To Replace Resistor, Brushes, Brush Holder and/or Regulator F - To Recondition Complete INC:All of the above additions. NOTE: ALL OF THE ABOVE ADDITIONS INCLUDE TIME TO INSPECT & TEST THE COMPONENTS (ON THE BENCH) UPON INSTALLATION OF A NEW PART. G - To Replace Drive End Frame and/or Bearing	J4080	0.7	-	-	-	-	-	-
		0.4	-	-	-	-	-	-
		0.3	-	-	-	-	-	-
		0.3	-	-	-	-	-	-
		0.4	-	-	-	-	-	-
		0.4	-	-	-	-	-	-
		1	-	-	-	-	-	-
		0.1	-	-	-	-	-	-
GENERATOR ASSEMBLY - REPLACE POLICY: T INC: D&C drive belt, generator harness & connector vacuum hose, oil pipe & oil hose (vacuum pump) R&F generator with vacuum pump actual time performing diagnosis.	J4101	0.3	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
WIRES, SPARK PLUG - REPLACE POLICY: E ADD: To Replace Wire - Each Additional actual time performing diagnosis.	J4206	0.2	-	-	-	-	-	-
		0.1	-	-	-	-	-	-
		0-3	-	-	-	-	-	-

J10

ENGINE ELECTRICAL - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PLUGS, SPARK - ONE- REPLACE POLICY: E INC: Gap check actual time performing diagnosis.	J4226	0.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
IGNITION COIL, DISTRIBUTOR - REPLACE POLICY: E (California only), T INC: R&R air cleaner assy, D&C lead cable & high tensor cable (ignition coil) actual time performing diagnosis.	J4340	0.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
SENSOR, CRANKSHAFT POSITION - REPLACE POLICY: E actual time performing diagnosis.	J4355	0.6	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
CAP, DISTRIBUTOR - REPLACE POLICY: E, T APPLIES TO '93-'95 MODELS ONLY. INC: R&R air cleaner assy, D&C spark plug cable & ignition code from distributor cap actual time performing diagnosis.	J4360	0.3	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
ROTOR, DISTRIBUTOR - REPLACE POLICY: E, T APPLIES TO '93-'95 MODELS ONLY. INC:R&R air cleaner assy, D&C connector & hose, spark plug cable & ignition code from distributor cap, distributor cap actual time performing diagnosis.	J4380	0.3	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
WIRE, DISTRIBUTOR TO IGNITION COIL SECONDARY-REPLACE POLICY: E, T INC: R&R air cleaner assy, D&C connector & hose, D&C high tension cable (ignition coil) actual time performing diagnosis.	J4420	0.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
SWITCH POWER - REPLACE POLICY: E, T APPLIES TO TBI-V8 ENGINE ONLY. actual time performing diagnosis.	J4430	0.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
SENSOR, ELECTRONIC SPARK CONTROL KNOCK - REPLACE POLICY: E APPLIES TO '93-'95 MODELS ONLY. actual time performing diagnosis.	J4437	1.6	-	-	-	-	-	-
		0-3	-	-	-	-	-	-

J11

ENGINE ELECTRICAL - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
MODULE, DISTRIBUTOR - REPLACE POLICY: E APPLIES TO '93-'95 MODELS ONLY. actual time performing diagnosis.	J4440	0.4	-	-	-	-	-	-
		0-.3	-	-	-	-	-	-
PICK-UP & IOR POLE PIECE, DISTRIBUTOR - REPLACE POLICY: E APPLIES TO '93-'95 MODELS ONLY. INC: Adjust timing actual time performing diagnosis.	J4460	1	-	-	-	-	-	-
		0-.3	-	-	-	-	-	-
MAINSHAFT, DISTRIBUTOR - REPLACE POLICY: E APPLIES TO '93-'95 MODELS ONLY. INC: Adjust timing actual time performing diagnosis.	J4480	0.7	-	-	-	-	-	-
		0-.3	-	-	-	-	-	-
DISTRIBUTOR, ASSEMBLY - R&R POLICY: E INC: Adjust timing	J4520	0.5	-	-	-	-	-	-
DISTRIBUTOR, ASSEMBLY - REPLACE POLICY: E INC: Adjust timing actual time performing diagnosis.	J4530	0.5	-	-	-	-	-	-
		0-.3	-	-	-	-	-	-
DISTRIBUTOR, TIMING - ADJUST POLICY: E	J4540	0.3	-	-	-	-	-	-
DRIVE ASSEMBLY, STARTER MOTOR - REPLACE POLICY: T INC: R&R Starter Motor actual time performing diagnosis.	J4600	0.4	-	-	-	-	-	-
		0-.3	-	-	-	-	-	-
MOTOR ASSEMBLY, STARTER - R&R POLICY: T ADD: A - To Recondition Starter Motor B - To Replace Field Coils C - To Replace Solenoid actual time performing diagnosis.	J4620	0.3	-	-	-	-	-	-
		0.5						
		0.2						
		0.1						
		0-.3	-	-	-	-	-	-
MOTOR ASSEMBLY, STARTER - REPLACE POLICY: T actual time performing diagnosis.	J4640	0.4	-	-	-	-	-	-
		0-.3	-	-	-	-	-	-
CUSTOMER CONCERN NOT DUPLICATED Note: Actual time from 0.1 to 0.3 hours spent to perform the diagnosis is to be entered as Labor Hours for this operator Any additional diagnosis time greater than 0.3 hours must be submitted as Other Labor Hours, and have appropriate Service Management Approval and Authorization	J9993	0.2	-	-	-	-	-	-
		.1-0.3						

J12

ENGINE FUEL - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
AIR CLEANER ASSEMBLY - REPLACE POLICY: E	J5000	0.3	-	-	-	-	-	-
DUCT AND/OR HOSE, OUTSIDE AIR - REPLACE POLICY: E	J5020	0.2	-	-	-	-	-	-
DUCT, MASS AIRFLOW SENSOR TO THROTTLE - REPLACE POLICY: E	J5024	0.2	-	-	-	-	-	-
DUCT, AIR CLEANER TO MASS AIRFLOW SENSOR - REPLACE POLICY: E	J5026	0.2	-	-	-	-	-	-
NUT AND/OR GASKET, FUEL INLET OR OUTLET - REPLACE POLICY: E	J5027	0.4	-	-	-	-	-	-
CABLE, ACCELERATOR CONTROL - REPLACE POLICY: T	J5330	0.4	-	-	-	-	-	-
PEDAL, ACCELERATOR - REPLACE	J5350	0.4	-	-	-	-	-	-
SPRING, THROTTLE RETURN - REPLACE	J5360	0.4	-	-	-	-	-	-
FILTER, FUEL ELEMENT - REPLACE	J5420	0.2	-	-	-	-	-	-
PUMP AND/OR GASKET, FUEL - REPLACE POLICY: E, T INC: Pressure leak test. actual time performing diagnosis.	J5430	0.4	-	-	-	-	-	-
PIPE, FUEL PUMP TO CARBURETOR - REPLACE POLICY: E, T	J5470	0.7	-	-	-	-	-	-
LINE, FUEL FEED &/OR RETURN - REPLACE POLICY: E, T NOTE: Fuel filter to TBI unit	J5478	1	-	-	-	-	-	-
BODY, THROTTLE - REPLACE POLICY: E, T actual time performing diagnosis.	J5490	0.6	-	-	-	-	-	-
METER ASSEMBLY &/OR GASKET, THROTTLE BODY FUEL - REPLACE POLICY: E actual time performing diagnosis.	J5495	0.7	-	-	-	-	-	-
VALVE, IDLE AIR CONTROL - REPLACE POLICY: E INC: Diagnosis actual time performing diagnosis.	J5542	0.2	-	-	-	-	-	-
CENTRAL PORT FUEL INJECTION - REPLACE POLICY: E, T	J5550	1.3	-	-	-	-	-	-
INJECTOR &/OR GASKET, THROTTLE BODY - REPLACE POLICY: E, T ONE BOTH actual time performing diagnosis.	J5556 J5557	0.7 0.7	- -	- -	- -	- -	- -	- -
REGULATOR &/OR GASKETS, FUEL PRESSURE - REPLACE POLICY: E	J5560	0.8	-	-	-	-	-	-
SENSOR, MASS AIRFLOW - REPLACE POLICY: E	J5670	0.2	-	-	-	-	-	-

J13

ENGINE EMISSIONS - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
VALVE, PCV - REPLACE POLICY: E	J6000	0.2	-	-	-	-	-	-
MOTOR, AIR CLEANER VACUUM - REPLACE POLICY: E	J6190	0.3	-	-	-	-	-	-
TEMPERATURE SENSOR ACTUATOR - REPLACE POLICY: E actual time performing diagnosis.	J6200	0.4	-	-	-	-	-	-
VACUUM HOSES AND/OR CONNECTIONS, CLEANER - REPLACE POLICY: E	J6250	0.2	-	-	-	-	-	-
VALVE &IOR GASKET, EGR - REPLACE POLICY: E	J6270	0.2	-	-	-	-	-	-
PIPE, EGR VALVE (INTAKE MANIFOLD TO EXHAUST MANIFOLD UNDERSIDE) - REPLACE	J6275	0.4	-	-	-	-	-	-
VALVE, FUEL VAPOR PRESSURE CONTROL - REPLACE POLICY: E actual time performing diagnosis.	J6323	0.2	-	-	-	-	-	-
VACUUM SWITCHING VALVE: THROTTLE - REPLACE APPLIES TO GMPT-V8 ENGINE ONLY.	J6351	0.3	-	-	-	-	-	-
POWERTRAIN CONTROL MODULE ENGINE REPROGRAMMING WITH SPS POLICY: E actual time performing diagnosis.	J6354	0.4	-	-	-	-	-	-
VEHICLE CONTROL MODULE - REPLACE POLICY: E, T actual time performing diagnosis.	J6360	0.2	-	-	-	-	-	-
CALIBRATOR, PROM - REPLACE POLICY: E actual time performing diagnosis.	J6364	0.3	-	-	-	-	-	-
SENSOR,COOLANTTEMPERATURE-REPLACE POLICY: E INC: Diagnostic, Drain & Refill cooling system actual time performing diagnosis.	J6368	0.7	-	-	-	-	-	-
SENSOR, MANIFOLD, ABSOLUTE PRESSURE - REPLACE POLICY: E INC: Diagnostic actual time performing diagnosis.	J6370	0.3	-	-	-	-	-	-
SENSOR, MANIFOLD AIR TEMPERATURE - REPLACE POLICY: E actual time performing diagnosis.	J6371	0.2	-	-	-	-	-	-
SENSOR, HEATED OXYGEN (PRE-02)- REPLACE POLICY: E actual time performing diagnosis.	J6372	0.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-

J14

ENGINE EMISSIONS - L31 5.7L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SENSOR, THROTTLE POSITION - REPLACE POLICY: E actual time performing diagnosis.	J6374	0.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
SENSOR, HEATED OXYGEN (POST-02)- REPLACE POLICY: E	J6380	0.2	-	-	-	-	-	-
CALPAK - REPLACE actual time performing diagnosis.	J6381	0.3	-	-	-	-	-	-
		0-7	-	-	-	-	-	-
SWITCH, PARK/NEUTRAL - REPLACE POLICY: E INC:Adjustment actual time performing diagnosis.	J6383	0.5	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
VALVE, PURGE SOLENOID: CANISTER - REPLACE APPLIES TO MPI-V8 ENGINE ONLY. actual time performing diagnosis.	J6391	0.3	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
VACUUM HOSE SOLENOID, VACUUM CONTROL EGR - REPLACE POLICY: E INC: Diagnosis actual time performing diagnosis.	J6396	0.7	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
VALVE, EVAPORATIVE EMISSION CANISTER PURGE CONTROL SOLENOID VALVE - REPLACE POLICY: E actual time performing diagnosis.	J6400	0.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
SWITCH, EVAPORATIVE EMISSION CANISTER PURGE VACUUM - REPLACE POLICY: E actual time performing diagnosis.	J6440	0.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
VALVE, EVAPORATIVE EMISSION CANISTER VENT SOLENOID - REPLACE POLICY: E actual time performing diagnosis.	J6441	0.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
HOSES, EVAPORATIVE EMISSION CONTROL - REPAIR OR REPLACE POLICY: E	J6982	0.2	-	-	-	-	-	-
INSPECTION/MAINENANCE (I/M) - COMPLETE SYSTEM SET PROCEDURE POLICY: E	J9981	0.5	-	-	-	-	-	-
CUSTOMER CONCERN NOT DUPLICATED Note: Actual time from 0.1 to 0.3 hours spent to perform the diagnosis is to be entered as Labor Hours for this operation. Any additional diagnosis time greater than 0.3 hours must be submitted as Other Labor Hours, and have appropriate Service Management Approval and Authorization.	J6995							

J1

ENGINE MECHANICAL - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
MANIFOLD, EXHAUST - REPLACE POLICY: E								
RIGHT BANK	J0100	0.4	-	-	-	-	-	-
LEFT BANK	J0101	0.5	-	-	-	-	-	-
COVER AND/OR GASKET, ENGINE BLOCK VALLEY - REPLACE POLICY: E	J0207	1.8	-	-	-	-	-	-
COVER/SHIELD, INTAKE MANIFOLD/INJECTOR - REPLACE	J0232	0.2	-	-	-	-	-	-
MANIFOLD, INTAKE - REPLACE POLICY: E	J0250	1.7	-	-	-	-	-	-
GASKET, INTAKE MANIFOLD - REPLACE POLICY: E	J0251	1.4	-	-	-	-	-	-
COVER &IOR GASKET, ROCKER - REPLACE POLICY: K INC: R&R air cleaner, generator; D&C PCV <i>valve</i> , <i>drive</i> belt, ventilation pipe, AIC compressor, temperature sensor connector.								
RIGHT BANK	J0300	0.4	-	-	-	-	-	-
LEFT BANK	J0301	0.3	-	-	-	-	-	-
BOTH BANKS	J0307	0.7	-	-	-	-	-	-
ROCKER ARM - REPLACE POLICY: K INC:R&R air cleaner, generator; D&C PCV <i>valve</i> , <i>drive</i> belt, ventilation pipe, AIC compressor, temperature sensor connector, rocker <i>cover</i> & gasket & adjust <i>valve</i> clearance.								
RIGHT BANK	J0350	0.6	-	-	-	-	-	-
LEFT BANK	J0351	0.5	-	-	-	-	-	-
BOTH BANKS	J0357	1.1	-	-	-	-	-	-
Add:								
A - To Replace Rocker Arms - All Remaining		0.4	-	-	-	-	-	-
B - With Air Conditioning		0.3	-	-	-	-	-	-
C - To Replace Rocker Arms - All Remaining - Right		0.3	-	-	-	-	-	-
D - To Replace All Remaining - LEFT		0.2	-	-	-	-	-	-

J2

ENGINE MECHANICAL - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
GASKET, CYLINDER HEAD - REPLACE								
POLICY: K,T								
RIGHT BANK	J0500	3.1	-	-	-	-	-	-
LEFT BANK	J0501	3.1	-	-	-	-	-	-
BOTH BANKS	J0507	5.1	-	-	-	-	-	-
HEAD, CYLINDER - REPLACE								
POLICY: K,T								
RIGHT BANK	J0510	4.7	-	-	-	-	-	-
LEFT BANK	J0511	4.6	-	-	-	-	-	-
BOTH BANKS	J0517	8	-	-	-	-	-	-
VALVE - RECONDITION OR REPLACE								
POLICY: K								
ONE CYL								
RIGHT BANK	J0520	3.3	-	-	-	-	-	-
LEFT BANK	J0521	3.3	-	-	-	-	-	-
BOTH BANKS	J0527	5.4	-	-	-	-	-	-
ADD:								
A - To clean parts on vehicles over 30,000 miles.								
RIGHT OR LEFT		0.2	-	-	-	-	-	-
BOTH		0.3	-	-	-	-	-	-
B - To Recondition All Valves								
INC: Replace valves as nee.								
RIGHT OR LEFT		0.9	-	-	-	-	-	-
BOTH		1.7	-	-	-	-	-	-
C - To Ream & Fit Guides for Oversize Stems								
ONE CYL		0.2	-	-	-	-	-	-
EACH ADDITIONAL CYL		0.1	-	-	-	-	-	-
SPRING, CAP & IOR SEAL, VALVE - REPLACE								
POLICY: K,T								
INC: R&R cleaner assy, generator assy, rocker arm, spark plugs & wires, valve keepers; discharge & charge compressed air in cyl from air adapter; valve adjustment								
ONE CYL								
RIGHT BANK	J0540	1.1	-	-	-	-	-	-
LEFT BANK	J0541	1	-	-	-	-	-	-
BOTH BANKS	J0547	2	-	-	-	-	-	-
ADD:								
A -To Replace Springs, Caps and Seals - All Remaining								
B - To Replace Springs, Caps & JOr Seals		2						
(Each Additional Cyl)								
C - To Replace ALL Springs, Caps & JOr Seals		0.4	-	-	-	-	-	-
NOTE: Time not to exceed replacement of all cylinders.								
RIGHT OR LEFT		1	-	-	-	-	-	-
BOTH		2	-	-	-	-	-	-

J4

ENGINE MECHANICAL - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
COVER & IOR GASKET, TIMING - REPLACE POLICY: K INC: R&R fan clutch assy, <i>drive</i> belt, flywheel cover, crankshaft pulley, water pump asm & gasket; Drain & refill coolant; clean surface gasket.	J0780	2.6	-	-	-	-	-	-
CAMSHAFT TIMING GEAR/CHAIN SET REPLACEMENT POLICY: K ADD: To Replace Crankshaft Gear	J0839	3.1	-	-	-	-	-	-
CAMSHAFT - REPLACE POLICY: K, T INC: Drain & refill coolant, R&R air cleaner assy, distributor assy, upper & lower radiator hoses, radiator assy, drive belt, generator assy, timing cover & chain; adjust valve clearance, ignition timing & clean surface gaskets & apply sealant.	J08S0	9.8	-	-	-	-	-	-
CAP, OIL FILLER - REPLACE POLICY: E	J0900	0.2	-	-	-	-	-	-
OIL LEVEL INDICATOR - REPLACE	J0920	0.2	-	-	-	-	-	-
TUBE, OIL LEVEL INDICATOR - REPLACE	J0930	0.2	-	-	-	-	-	-
FILTER, OIL - REPLACE	J09S0	0.3	-	-	-	-	-	-
PLUG AND/OR GASKET, OIL PAN DRAIN - REPLACE	j0990	0.2	-	-	-	-	-	-
PAN & IOR GASKET, OIL - REPLACE POLICY: K INC: Drain & refill engine oil, D&C starter motor, left & right exhaust pipes, front stabilizer rod; R&R flywheel/torque converter cover, engine mounts; raise & lower engine.	J1000	1.6	-	-	-	-	-	-
PUMP, ENGINE OIL - REPLACE POLICY: K,T INC: Drain & Refill engine oil, D&C starter motor, left & right exhaust pipes, front stabilizer rod; R&R flywheel/torque converter cover, engine mounts; raise & lower engine.	J1020	3.5	-	-	-	-	-	-
HOUSING & IOR GASKET, REAR MAIN SEAL - REPLACE POLICY: K INC: R&R air cleaner assy, parking brake drum, cross member - A/T mount, flywheel cover, engine mounting bolts, transmission, ring gear, starter motor, oil pan; Drain & Refill engine oil; Clean surface gasket.	J1080	4.4	-	-	-	-	-	-
SEAL(S), CRANKSHAFT REAR MAIN - REPLACE POLICY: K INC: R&R air cleaner assy, parking brake drum, cross member - A/T mount, flywheel cover, engine mounting bolts, transmission, ring gear, oil level gauge & tube; Drain & refill engine oil; Clean surface gasket	J1120	3	-	-	-	-	-	-

J5

ENGINE MECHANICAL - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BEARING, CRANKSHAFT MAIN - REPLACE POLICY: K,T INC: R&R air cleaner assy, flywheel cover, engine mounting bolts, oil pan; Drain & Refill engine oil; mark main bearings, plastic gauge the crankshaft; Clean surface gasket. ONE BEARING ADD: A - With Engine Oil Cooler B - To Replace Main Bearings (Each Additional) C - To Replace All Main Bearings D - To Replace Connecting Rod Bearings (Each) E - To Replace ALL Connecting Rod Bearings F - To clean parts on vehicles over 30,000 miles .	J1150	2.3	-	-	-	-	-	-
BEARING, CONNECTING ROD - REPLACE POLICY: K, T INC: R&R engine oil pump, connecting rod bearing cap ONE BEARING ADD: A - With Engine Oil Cooler B - To Replace Connecting Rod Bearings (Each) C - To Replace ALL Connecting Rod Bearings D - To clean parts on vehicles over 30,000 miles	J1180	2.2	-	-	-	-	-	-
CRANKSHAFT-REPLACE POLICY: K,T INC: R&R engine assy, spark plugs & gap, water pump, timing cover/gasket/chain/gear & align marks, oil pan & pump, rear main seal/housing/gasket, mark main & cap, rod & main caps, push pistons to TDC, plastic gauge the crank, adjust timing ADD: A - With NC B - With Oil Cooler C - To R&R Cyl Head <div style="text-align: right;">BOTH</div> o - To replace Piston (Only) EACH PISTON NOTE: TIME NOT TO EXCEED REPLACEMENT OF ALL ALL PISTONS E - To Replace Rod &/Or Pin (Only) EACH NOTE: TIME NOT TO EXCEED REPLACEMENT OF ALL ALL RODS F - To Replace Rings (Only) EACH PISTON NOTE: TIME NOT TO EXCEED REPLACEMENT OF ALL ALL PISTONS	J1200	8.8	-	-	-	-	-	-

J6

ENGINE MECHANICAL - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PISTON, ROD & IOR RINGS - REPLACE								
POLICY: K, T								
INC: R&R air cleaner assy, distributor assy, starter motor, generator, exhaust & intake manifolds, cyl head, oil pan & pump, raise & lower engine connecting rod brg cap, clean & inspect cyl head surface, valve adjust, deglaze cyl wall, adjust ignition timing.								
ONE CYL								
RIGHT BANK								
	J1300	5.2	-	-	-	-	-	-
LEFT BANK								
	J1301	5.1	-	-	-	-	-	-
BOTH								
	J1307	6.5	-	-	-	-	-	-
ADD:								
A - With Engine Oil Cooler								
		0.1	-	-	-	-	-	-
B - To Recondition valves (All)								
		1.5	-	-	-	-	-	-
C- To Replace Ring ONLY								
EACH ADDITIONAL PISTON								
		0.4	-	-	-	-	-	-
ALL PISTONS								
		2.4	-	-	-	-	-	-
D - To replace Rod ONLY								
EACH ADDITIONAL ROD								
		0.5	-	-	-	-	-	-
ALL RODS								
		2.5	-	-	-	-	-	-
E - To Replace Piston								
EACH ADDITIONAL PISTON								
		0.5	-	-	-	-	-	-
ALL PISTONS								
		2.9	-	-	-	-	-	-
FLYWHEEL (Arr FLEXPLATE) - REPLACE								
POLICY: K								
INC: R&R transmission assy and flywheel.								
	J1400	3	-	-	-	-	-	-
COVER, FLYWHEEL-REPLACE								
	J1440	0.5	-	-	-	-	-	-
MOUNT, ENGINE - REPLACE								
POLICY: K,T								
INC: R&R distributor cover, air cleaner w/duct, install & remove engine hoist & support, Raise & lower engine								
FRONT								
RIGHT								
	J1500	1.1	-	-	-	-	-	-
LEFT								
	J1501	1.1	-	-	-	-	-	-
BOTH								
	J1507	1.6	-	-	-	-	-	-
PLUG EXPANSION - REPLACE								
	J1600	0.3	-	-	-	-	-	-
POLICY: K								
PLUG OIL GALLEY - REPLACE								
	J1640	0.4	-	-	-	-	-	-
POLICY: K								
PLUG, CAMSHAFT REAR BEARING - REPLACE								
	J1660	4.2	-	-	-	-	-	-
POLICY: K								
INC: R&R flywheel (AIT flexplate)								
ENGINE, UNIVERSAL (LONG BLOCK) - REPLACE								
	J1840	6.9	-	-	-	-	-	-
POLICY: A,K,T								
INC:R&R all accessory mounting braces, rear PIS pump bracket, accessory mounting bolts/plate w/alt, PIS pump as unit, crank pulley, oil & water temperature units & knock sensor, spark plug/wires & gap, exhaust & intake manifolds, balancer; Uncrate & crate engine;								

J7

ENGINE COOLING - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
CAP, RADIATOR FILLER - REPLACE INC: Diagnosis to pressure test cap.	J3020	0.1	-	-	-	-	-	-
COCK OR PLUG, RADIATOR DRAIN- REPLACE INC: Drain & Refill	J3040	0.3	-	-	-	-	-	-
RADIATOR ASSEMBLY REPAIR	J3060	0.5						
RADIATOR ASSEMBLY - R&R POLICY: S,T INC: Drain & refill radiator, R&R fan clutch assy, upper & lower radiator hoses & stays, D&C AfT fluid cooling hoses, add AfT fluid	J3080	1.6	-	-	-	-	-	-
RADIATOR ASSEMBLY - REPLACE POLICY: T INC: Drain & refill radiator, R&R fan clutch assy, upper & lower radiator hoses & stays, D&C AfT fluid cooling hoses, add AfT fluid	J3100	1.2	-	-	-	-	-	-
Cooler, Engine Oil (Auxiliary) - Replace	J3121	0.5	-	-	-	-	-	-
COMPLETE	J3207	0.2	-	-	-	-	-	-
SHROUD, RADIATOR FAN - REPLACE INC: Drain & refill engine coolant, upper & lower radiator stays, fan clutch assy, D&C upper radiator hose	J3247	0.8	-	-	-	-	-	-
RESERVOIR, RADIATOR COOLANT- REPLACE	J3260	0.2	-	-	-	-	-	-
BRACKET, RADIATOR COOLANT RESERVOIR - REPLACE	J3280	0.3	-	-	-	-	-	-
CLAMP, RADIATOR HOSE-REPLACE INC: Drain & refill engine coolant.	J3340	0.3	-	-	-	-	-	-
HOSE, ENGINE COOLANT - REPLACE POLICY: T								
UPPER	J3362	0.3	-	-	-	-	-	-
LOWER	J3363	0.4	-	-	-	-	-	-
BOTH	J3367	0.4	-	-	-	-	-	-
BELL - MOUTH; FAN GUIDE - R&R INC: Drain & refill engine coolant, D&C upper radiator hoses	J3375	0.5	-	-	-	-	-	-
BLADE, FAN - REPLACE POLICY: T INC: R&R bell mouth bracket, radiator support bracket, drive belt	J3380	0.5	-	-	-	-	-	-
CLUTCH ASSEMBLY, FAN - REPLACE POLICY: T INC: R&R bell mouth bracket, radiator support bracket, drive belt	J3390	0.5	-	-	-	-	-	-
PULLEY, COOLANT PUMP - REPLACE POLICY: T INC: R&R bell mouth bracket, radiator support bracket, drive belt	J3420	0.5	-	-	-	-	-	-
PUMP &IOR GASKET, COOLANT - REPLACE POLICY: K,T INC: Drain & refill engine coolant, D&C drive belt, water pump & heater hoses, R&R water pump pulley, water pump, fan assy, clean surface gasket	J3480	1.3	-	-	-	-	-	-
THERMOSTAT, OUTLET & OR GASKET - REPLACE POLICY: K, T INC: Drain & refill engine coolant, D&C upper radiator hose, R&R thermostat housing & gasket	J3500	0.3	-	-	-	-	-	-

J8

ENGINE COOLING - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
HOUSING & IOR GASKET, THERMOSTAT - REPLACE POLICY: K INC: Drain & refill engine coolant, D&C upper radiator hose, R&R thermostat housing & gasket	J3520	0.4	-	-	-	-	-	-
CORD, ENGINE COOLANT HEATER - REPLACE Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis	J3523	0.4 .0-0.3	-	-	-	-	-	-
HEATER, ENGINE COOLANT - REPLACE Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis	J3524	0.6 .0-0.3	-	-	-	-	-	-
COOLING SYSTEM - FLUSH INC: Drain cooling system, R&R thermostat flush with clear water, refill & test coolant	J3540	0.8	-	-	-	-	-	-

J9

ENGINE ELECTRICAL - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
GENERATOR ASSEMBLY, DISASSEMBLE, INSPECT, TEST & REASSEMBLE POLICY: T ADD: A - To Replace Rotor, Drive End Frame, Pulley, Fan &/Or Front Bearing B - To Replace Stator C - To Replace Diode Trio o - To Replace Rectifier Bridge and/or Battery Post Terminal and/or Capacitor E - To Replace Resistor, Brushes, Brush Holder and/or Regulator F - To Recondition Complete INC: All of the above additions. NOTE: ALL OF THE ABOVE ADDITIONS INCLUDE TIME TO INSPECT & TEST THE COMPONENTS (ON THE BENCH) UPON INSTALLATION OF A NEW PART. G - To Replace Drive End Frame and/or Bearing	J4080	0.7	-	-	-	-	-	-
		0.4	-	-	-	-	-	-
		0.3	-	-	-	-	-	-
		0.3	-	-	-	-	-	-
		0.4	-	-	-	-	-	-
		0.4	-	-	-	-	-	-
		1	-	-	-	-	-	-
		0.1	-	-	-	-	-	-
GENERATOR ASSEMBLY - REPLACE Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis	J4100	0.5	-	-	-	-	-	-
		0-5						
PLUGS, SPARK - REPLACE POLICY: E INC: Gap check actual time performing diagnosis. POLICY: E, T	ONE J4226	0.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
IGNITION COIL, DISTRIBUTOR - REPLACE POLICY: E (California only), T INC: R&R air cleaner assy, D&C lead cable & high tension cable (ignition coil) actual time performing diagnosis.	J4340	0.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
SENSOR, CAMSHAFT POSITION - REPLACE actual time performing diagnosis.	J4350	0.5						
		0-3						
SENSOR, CRANKSHAFT POSITION - REPLACE POLICY: E actual time performing diagnosis.	J4355	0.5	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
SWITCH POWER - REPLACE POLICY: E, T	J4430	0.2	-	-	-	-	-	-
SENSOR, KNOCK - REPLACE POLICY: E actual time performing diagnosis.	J4437	0.2						
		0-3	-	-	-	-	-	-

J10

ENGINE ELECTRICAL - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
MODULE, DISTRIBUTOR - REPLACE POLICY: E actual time performing diagnosis.	J4440	0.4	-	-	-	-	-	-
		0-.3	-	-	-	-	-	-
DRIVE ASSEMBLY, STARTER MOTOR - REPLACE POLICY: T INC: R&R Starter Motor actual time performing diagnosis.	J4600	0.4	-	-	-	-	-	-
		0-.3	-	-	-	-	-	-
MOTOR ASSEMBLY, STARTER - R&R POLICY: T actual time performing diagnosis. ADD: A - To Recondition Starter Motor B - To Replace Field Coils C - To Replace Solenoid	J4620	0.3	-	-	-	-	-	-
		0-.3	-	-	-	-	-	-
		0.6	-	-	-	-	-	-
		0.2	-	-	-	-	-	-
		0.1	-	-	-	-	-	-
MOTOR ASSEMBLY, STARTER - REPLACE POLICY: T actual time performing diagnosis.	J4640	0.4	-	-	-	-	-	-
		0-.3	-	-	-	-	-	-
CONTROLLER, QOS (QUICK ON START) - REPLACE actual time performing diagnosis.	J4715	0.3	-	-	-	-	-	-
		0-.3	-	-	-	-	-	-

J11

ENGINE FUEL - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
AIR CLEANER ASSEMBLY - REPLACE POLICY: E	J5000	0.3	-	-	-	-	-	-
ELEMENT, AIR CLEANER - REPLACE POLICY: E	J5010	0.2	-	-	-	-	-	-
DUCT &/OR HOSE, OUTSIDE AIR - REPLACE POLICY: E	J5020	0.2	-	-	-	-	-	-
DUCT, MASS AIRFLOW SENSOR TO THROTTLE - REPLACE POLICY: E	J5024	0.2	-	-	-	-	-	-
DUCT, AIR CLEANER TO MASS AIRFLOW SENSOR - REPLACE POLICY: E APPLIES TO MPI-V8 ENGINES ONLY.	J5026	0.2	-	-	-	-	-	-
NUT &/OR GASKET, FUEL INLET OR OUTLET - REPLACE POLICY: E	J5027	0.4	-	-	-	-	-	-
PEDAL, ACCELERATOR - REPLACE	J5350	0.4	-	-	-	-	-	-
SPRING, THROTTLE RETURN - REPLACE	J5360	0.4	-	-	-	-	-	-
FILTER, FUEL ELEMENT - REPLACE	J5420	0.2	-	-	-	-	-	-
PUMP &/OR GASKET, FUEL - REPLACE POLICY: E, T INC: Pressure leak test. actual time performing diagnosis.	J5430	0.3	-	-	-	-	-	-
LINE, FUEL FEED &/OR RETURN - REPLACE POLICY: E, T	J5478	1	-	-	-	-	-	-
BODY, THROTTLE - REPLACE POLICY: E, T actual time performing diagnosis.	J5490	0.6	-	-	-	-	-	-
METER ASSEMBLY &/OR GASKET, THROTTLE BODY FUEL - REPLACE POLICY: E APPLIES TO '93-'95 MODELS ONLY. actual time performing diagnosis.	J5495	0.7	-	-	-	-	-	-
VALVE, IDLE AIR CONTROL - REPLACE POLICY: E APPLIES TO '93-'95 MODELS ONLY. INC: Diagnosis actual time performing diagnosis.	J5542	0.2	-	-	-	-	-	-
CENTRAL PORT FUEL INJECTION - REPLACE POLICY: E, T	J5550	1.3	-	-	-	-	-	-
INJECTOR &/OR GASKET, THROTTLE BODY - REPLACE POLICY: E, T	ONE BOTH	J5556 J5557	0.7 0.7	- -	- -	- -	- -	- -

J12

ENGINE FUEL - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION	NPR	N/W	NQR	NRR	FRR	FTR	HTR
	NUMBER	W3/W4	CREW	W4/W5	W5500HD	WT5500	FVR	HVR
							FXR	HXR
REGULATOR & IOR GASKETS, FUEL PRESSURE - REPLACE POLICY: E	J5560	0.8	-	-	-	-	-	-
PUMP IN FUEL TANK - R&R OR REPLACE POLICY: T INC: Fuel pressure Test	J5590	0.3	-	-	-	-	-	-
SENSOR, MASS AIRFLOW - REPLACE POLICY: E actual time performing diagnosis.	J5670	0.2 0-3	-	-	-	-	-	-

J13

ENGINE EMISSIONS - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
VALVE, PCV - REPLACE POLICY: E	J6000	0.2	-	-	-	-	-	-
DUMPER AIR CLEANER - REPLACE POLICY: E APPLIES TO '93-'95 MODELS ONLY.	J6190	0.3	-	-	-	-	-	-
PIPE, HEATED AIR - REPLACE POLICY: E	J6230	0.2	-	-	-	-	-	-
VACUUM HOSES & IOR CONNECTIONS, CLEANER - REPLACE POLICY: E	J6250	0.2	-	-	-	-	-	-
VALVE & IOR GASKET, EGR - REPLACE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6270	0.4	-	-	-	-	-	-
PIPE AND/OR FITTINGS, EGR - REPLCE POLICY: E	J6275	0.4	-	-	-	-	-	-
VALVE, FUEL VAPOR PRESSURE CONTROL - REPLACE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6323	0.2	-	-	-	-	-	-
POWERTRAIN CONTROL MODULE ENGINE REPROGRAMMING WITH SPS POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6354	0.3	-	-	-	-	-	-
COVER, ENGINE CONTROL MODULE - REPLACE	J6358	0.2	-	-	-	-	-	-
VEHICLE CONTROL MODULE - REPLACE POLICY: E, T DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6360	0.3	-	-	-	-	-	-
CALIBRATOR, PROM - REPLACE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6364	0.3	-	-	-	-	-	-
SENSOR, COOLANT TEMPERATURE - REPLACE POLICY: E INC: Diagnostic, Drain & Refill cooling system NOTE: This operation is to be used for the PCM sensor only. For coolant gauge ending units - See N2230 DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6368	0.7	-	-	-	-	-	-
SENSOR, MANIFOLD, ABSOLUTE PRESSURE - REPLACE POLICY: E INC: Diagnostic DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6370	0.2	-	-	-	-	-	-
SENSOR, MANIFOLD AIR TEMPERATURE - REPLACE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6371	0.2	-	-	-	-	-	-
SENSOR, HEATED OXYGEN (PRE-02)- REPLACE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6372	0.2	-	-	-	-	-	-

J14

ENGINE EMISSIONS - LQ4 6L V8								
OPERATION DESCRIPTION	OPERATION	NPR	N/W	NQR	NRR	FRR	FTR	HTR
	NUMBER	W3/W4	CREW	W4/W5	W5500HD	WT5500	FVR	HVR
							FXR	HXR
SENSOR, THROTTLE POSITION - REPLACE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6374	1.2	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
SENSOR, OXYGEN (CATALYST MONITORING) - REPLACE POLICY: E	J6380	0.2	-	-	-	-	-	-
VALVE, EVAPORATIVE EMISSION CANISTER PURGE CONTROL SOLENOID VALVE = REPLACE POLICY: E	J6400	0.2	-	-	-	-	-	-
DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.		0-3	-	-	-	-	-	-
VACUUM - REPLACE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6440	0.2	-					
		0-3	-					
Valve, Evaporative Emission Canister Vent Solenoid - Replace POLICY: E	J6441	0.2	-					
DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.		0-3	-					
SENSOR, ENGINE SPEED - REPLCE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	J6540	0.5	-					
		0-3	-					
HOSES, EVAPORATIVE EMISSION CONTROL - REPAIR OR REPLACE POLICY: E	J6982	0.2	-					
INSPECTION/MAINTENANCE (I/M) - COMPLETE SYSTEM SET PROCEDURE POLICY: E	J9981	0.2	-					
CUSTOMER CONCERN NOT DUPLICATED Note: Actual time from 0.1 to 0.3 hours spent to perform the diagnosis is to be entered as Labor Hours for this operation. Any additional diagnosis time greater than 0.3 hours must be submitted as Other Labor Hours, and have appropriate Service Management Approval and Authorization.	J9995	.1-0.3	-					

K1

CLUTCH AND CONTROLS - MANUAL TRANSMISSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
LINKAGE, CLUTCH - ADJUST	K0020	-	-	-	-	-	0.6	0.6
CLUTCH SYSTEM, HYDRAULIC - BLEED	K0040	0.2	0.2	0.2	0.2	0.3	0.4	-
PEDAL, SHAFT AND/OR BUSHING, CLUTCH - REPLACE INC.: Adjust linkage	K0060	0.6	0.6	0.6	0.6	2.1	1.5	0.7
PUSH ROD AND/OR SEAL, CLUTCH PEDAL - REPLACE INC.: Adjust linkage	K0080	0.3	0.3	0.3	0.3	0.3	1.2	-
SPRING, CLUTCH PEDAL RETURN - REPLACE	K0100	0.2	0.2	0.2	0.2	0.2	0.2	0.2
SPRING, CLUTCH RETURN - REPLACE	K0220	0.2	0.2	0.2	0.2	0.2	0.3	0.7
CYLINDER, CLUTCH MASTER - R&R OR REPLACE ADD: A - To Recondition Clutch Master Cylinder	K0600	0.6	0.6	0.6	0.6	1	0.5	-
CYLINDER, CLUTCH ACTUATOR - R&R OR REPLACE MLD6F,MBG5QA,MBG5F,MBG5H,MBG5K ADD: A - To Recondition Clutch Actuating Cylinder	K0620	0.3	0.3	0.3	0.3	0.6	0.8	-
		0.4	0.4	0.4	0.4	0.3	0.3	-
LINE, CLUTCH HYDRAULIC (MASTER CYLINDER TO ACTUATING CYLINDER) - REPLACE								
FRONT FLEX HOSE ASSEMBLY	K0642	0.5	0.5	0.5	0.5	1.1	1.1	-
REAR FLEX HOSE	K0643	0.5	0.5	0.5	0.5	0.7	0.7	-
INTERMEDIATE STEEL PIPE	K0646	0.6	0.6	0.6	0.6	1	1	-

K2

CLUTCH AND CONTROLS - MANUAL TRANSMISSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BEARING, CLUTCH RELEASE - REPLACE	K0700							
INC.: R&R trans, adjust clutch free <i>travel</i> and/or linkage for all series.								
		2.6	2.6	2.6	2.6	2.5	2.5	2.5
MZZ		-	2.3	-	-	-	-	-
ADD:								
A - Resurface Flywheel		-		-	-	-	0.2	0.2
B: With Trans Mounted Hand Brake		0.2	0.2	0.2	0.2	0.3	0.2	0.2
C - To Replace Clutch Fork And/Or Cross Shaft		0.4	0.4	0.4	0.4	0.4	-	-
D - To Replace Main Drive Gear Cap And/Or Seal		0.7	0.7	0.7	0.7	0.7	-	-
MZZ		-	2.1	-	-	-	-	-
INC.: Add C								
E - To Replace Clutch Housing		0.7	0.7	0.7	0.7	0.6	-	-
MZZ		-	2.1	-	-	-	-	-
INC.: Add C								

K3

MANUAL TRANSMISSION CONTROLS								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
DISC AND/OR PRESSURE PLATE, CLUTCH - R&R OR REPLACE POLICY: ,S (for resurface) INC.:Includes: Release bearing and/or fork on trans FS40/50/60 series R&R trans, R&R floor mat if necessary NOTE: When necessary to adjust clutch linkage for Adds B, C, O, F, H, the time is included.	K0800							
		2.6	-	2.6	2.6	2.2	3	2.8
MBP6P		-	2.2	-	-	-	-	-
MZZ		-	2.1	-	-	-	-	-
MPB and MSA5D		-	3	-	-	-	-	-
ADD:								
A - To Replace Clutch Brake		-	0.1	-	-	-	-	-
B - To Replace Clutch Disc And/Or Pressure Plate		0.4	0.4	0.4	0.4	0.4	0.4	0.4
INC.: Release bearing and/or fork on trans								
C - To Replace Clutch Release Bearing		0.1	0.1	0.1	0.1	0.1	0.1	0.1
0- To Replace Clutch Fork And/Or Cross Shaft		0.3	0.4	0.3	0.3	0.4	0.4	0.4
E - To Replace Main Drive Gear Bearing Retainer And/Or Gasket And/Or Seal		0.7	0.7	0.7	0.7			
MZZ		-	2.3	-	-	-	-	-
INC.: Adds C, O								
F - To Replace Clutch Housing		0.7	0.7	0.7	0.7	0.6	0.6	0.6
MZZ		-	2	-	-	-	-	-
INC.: Adds C, O								
I - To Replace Clutch Pilot Bearing And/Or Bushing		0.1	0.2	0.1	0.1	0.2	0.2	0.2
J - To Resurface Flywheel		-	-	-	-	-	0.2	0.2
K - To Replace Flywheel		0.5	0.4	0.5	0.5	0.4	0.4	0.4
L - W/Trans Mounted Hand Brake		0.2	0.2	0.2	0.2	0.2	0.2	0.2

K4

MANUAL TRANSMISSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
LEVER, GEARSHIFT CONTROL - REPLACE	K1060	0.3	0.3	0.3	0.3	0.3	0.9	1
SEAL AND/OR BOOT, FLOOR MOUNTED GEARSHIFT - REPLACE A - W/Two Speed Control	K1080	0.2 -	0.2 -	0.2 -	0.3 -	0.2 -	0.8 0.1	0.5 -
RODS, GEARSHIFT CONTROL - REPLACE INC.: Adjust linkage	K1160	0.4	0.4	0.4	0.4	-	-	-
CABLES, GEARSHIFT CONTROL - REPLACE								
SHIFT CABLE	K1190	0.6	0.6	0.6	0.6	-	-	-
SELECT SIDE	K1193	0.5	0.5	0.5	0.5	-	-	-
RELAY LEVER ASSEMBLY	K1195	0.8	0.8	0.8	0.8	-	-	-
CABLE, SHIFT - REPLACE	k1200	-	-	-	-	-	3.2	-
REMOTE CONTROL ASSEMBLY, TRANSMISSION - R&R OR REPLACE INC: R&R gearshift control assy, replace any parts necessary and make all adjustments according to maintenance manual procedure. ADD: A - To Recondition	K1740	0.3 0.2	0.3 0.2	0.3 0.2	0.3 0.2	- -	- -	- -
COVER AND/OR GASKET, POWER TAKE OFF - REPLACE	K2028	-	-	-	-	-	0.7	0.8
POWER TAKE OFF (PTO) - REPLACE ADD: A - To Recondition PTO	K2030	- -	- -	- -	- -	0.7 0.7	0.7 1.3	1.4 -
CABLE, PTO CONTROL - REPLACE	K2035	-	-	-	-	0.5	0.5	0.7
SENSOR, VEHICLE SPEED - REPLACE POLICY: E	K2050	0.2	0.2	0.2	0.2	0.2	0.9	1
GEAR AND/OR SEAL, SPEEDOMETER DRIVEN - REPLACE	K2060	0.3	0.3	0.3	0.3	0.3	-	0.5
GEAR, SPEEDOMETER DRIVE - REPLACE POLICY: K	K2100	1.1	1.1	1.1	1.1	1.5	-	1.5
SEAL, TRANSMISSION EXTENSION REAR OIL - REPLACE POLICY: K INC.:D&C front U-joint and hanger bearing support to frame. Drain and refill trans. R&R hand brake and yoke flange. DOES NOT INC.: R&R trans assy or recondition U-joint.	K2160	0.3						0.5
W/HAND BRAKE (INTERNAL EXPANDING)		1.1	1.1	1.1	1.1	1.2	1.3	1.4
W/O HANDBRAKE		-	-	-	-	1.1	1.1	2.1

K5

MANUAL TRANSMISSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
GASKET, MAINSHAFT REAR BEARING RETAINER - REPLACE POLICY: K INC: Drain and refill transmission. R&R hand brake and yoke flange. D&C front U-joint and hanger bearing support to frame. DOES NOT INC: R&R transmission assembly or recondition U-joint. W/HAND BRAKE (INTERNAL EXPANDING) Without Hand Brake	K2200	1.1	1.1	1.1	1.1	1.2	1.2	1.7
		-	-	-	-	-	1.1	-
COVER AND/OR GASKET, TRANSMISSION SHIFT - R&R OR REPLACE POLICY: K INC.: R&R floor mat, floor access cover, shift linkage and shift cover and gasket. Clean, inspect and retorque. DOES NOT INC.: Recondition remote control assy.	K2240					3.3	2.8	2.6
MSA5D		3	3	3	3	-	-	-
MBP6P		3.3	3.3	3.3	3.3	-	-	-
MZZ		1.1	1.1	1.1	1.1	-	-	-
ADD: A - To Recondition Cover						1.1	1.3	-
DOES NOT INC.: Recondition remote control assy.						-	-	-
MSA5D		1.3	1.3	1.3	1.3	-	-	-
MBP6P		1.1	1.1	1.1	1.1	-	-	-
MZZ		0.4	0.4	0.4	0.4	-	-	-
MOUNT, TRANSMISSION - RIGHT - REPLACE	K2280	-	-	-	-	-	-	2.3
MOUNT, TRANSMISSION - LEFT - REPLACE	K2281	-	-	-	-	-	-	2.3
MOUNT, TRANSMISSION - REAR - REPLACE	K2283	-	-	-	-	-	-	2.8
POLICY: K								
VALVE, TRANSMISSION SPLITTER (3 POSITION) - REPLACE	K2420	-	-	-	-	-	0.8	0.8
VALVE, RANGE CONTROL (TWO POSITION)-REPL. (TWO SPEED AXLE)	K2440	-	-	-	-	-	0.8	1.9
FILTER, AIR - R&R OR REPLACE	K2460	-	-	-	-	-	0.5	0.5
ADD: A - To replace Check Valve							0.2	0.2
LINE, AIR SHIFT CONTROL - REPLACE (TWO SPEED AXLE)	K2480	-	-	-	-	-	0.5	0.5
ADD: A - To Replace Each Additional Air Line		-	-	-	-	-	0.2	-

K6

MANUAL TRANSMISSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
TRANSMISSION ASSEMBLY - RECONDITION	K2700							
POLICY: K								
INC.: R&R trans and perform all adjustments.								
DOES NOT INC.: Recondition shift cover, R&R								
5-SPEED								
MSA5D		2.6	2.6	2.6	2.6	-	-	-
MBP6P		2.4	2.4	2.4	2.4	-	-	-
MLD6F		-	-	-	-	2.6	-	-
EATON		-	-	-	-	-	-	8
SPICER		-	-	-	-	-	-	9.7
		-	-	-	-	-	8	-
ADD:								
A - With PTO		-	-	-	-	-	0.7	0.7
B - To Replace Main Drive Gear Cap And/Or Seal								
INC.: Add E		0.7	0.7	0.7	0.7	0.7	-	-
MZZ		1.9	1.9	1.9	1.9			
C - To Replace Case								
DOES NOT INC: Recondition main or counter shafts								
MSA5D		2.8	2.8	2.8	2.8	-	-	-
MBG5A,MBG5H,MBG5F,MBG5K		-	-	-	-	3.4	3.3	3.3
MLD6F		-	-	-	-	3.4	3.4	3.4
MBP6P		3.3	3.3	3.3	3.3	-	-	-
MZZ		1.8	1.5	1.8	1.8			
0- To Replace Clutch Fork And/Or Throw Out Bearing (Cross Shaft Mounted)		0.1	0.1	0.1	0.1	-	-	-
MBP6P		0.4	0.4	0.4	0.4	-	-	-
E - To Recondition Trans Assy								
INC.: Adds C, E								
INC.:Complete disassembly and assemble, cleaning, inspection, torquing, and all adjustments. Replace clutch release bearing if necessary and adjust clutch free travel.								
DOES NOT INC.: Recondition shift cover.								
MSA5D		3.7	3.7	3.7	3.7	-	-	-
MLD6F		-	-	-	-	5	-	-
MBP6P		5	5	5	5	-	-	-
F - To Replace disconnected U-Joint Journal and Bearings								
G - To Recondition Shift Cover						1.1		
DOES NOT INC.: Recondition remote control assy.								
MSA5D		1.3	1.3	1.3	1.3	-	-	-
MBG5A,MBG5H,MBG5F,MBG5K		-	-	-	-	1.1	-	-
MLD6F		-	-	-	-	1.5	-	-
MBP6P		1.1	1.1	1.1	1.1	-	-	-

K7

MANUAL TRANSMISSION								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
TRANSMISSION ASSEMBLY - REPLACE	K2720							
POLICY: A, K								
INC.: R&R prop shaft, body floor coverings, shift lever. D&C shift linkage and speedometer cable. Support engine, adjust linkage, torque bolts where required and replace release bearing. Uncrate and transfer necessary parts to new transmission.							4.5	3.1
5-SPEED								
MSA5D		2.8	2.8	2.8	2.8	-	-	-
6-SPEED								
MLD6F		-	-	-	-	2.6	-	-
MBP6P		2.6	2.6	2.6	2.6	-	-	-
MZZ		2.3	2.3	2.3	2.3	-	-	-
ADD:								
A - With PTO		-	-	-	-	-	-	0.4
B - To Recondition or Replace Trans. Cover And/Or Shifter Mechanism								
5-SPEED								
MSA5D		1.3	1.3	1.3	1.3	-	-	-
6-SPEED								
MBP6P		1.3	1.3	1.3	1.3	-	-	-
MZZ		0.5	0.5	0.5	0.5	-	-	-
C - W/Trans Mounted Hand Brake		0.4	0.4	0.4	0.4	-	-	0.4
INC.: Transmission R&R								

K1

AUTOMATIC TRANSMISSION CONTROLS								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SHIFT RANGE INDICATOR - REPLACE	K5100	0.2	0.2	0.2	0.2	-	-	-
KNOB, SHIFT LEVER - R&R	K5110	0.2	0.2	0.2	0.2	-	-	-
LEVER, SHIFT CONTROL - REPLACE	K5120	0.3	0.3	0.3	0.3	-	0.5	1
CABLE AND/OR SHIFT LEVER, CONTROL - REPLACE	K5170	0.7	0.7	0.7	0.7	0.3	1.1	1.3
CONTROL CABLE - ADJUST	K5175	0.3	0.3	0.3	0.3	-	-	-
HARNESS ASSEMBLY, TRANSMISSION CONTROL - RPL.	K5177	-	-	-	-	-	0.5	2.7
RELAY, NEUTRAL START - REPLACE	K5178	-	-	-	-	-	-	1.3
CABLE, SHIFT CONTROL - REPLACE 4L80E and 4L85E	K5180	0.7 0.4	1.1 -	0.7 -	0.7 -	0.8	-	0.7
LEVER, SHIFT CONTROL (AT TRANSMISSION) - INC:ADJUST	K5220	0.2	0.2	0.2	0.2	-	-	-
LINKAGE, SHIFT - ADJUST POLICY: K	K5240	-	-	-	-	0.2	0.2	0.2
	ALLISON A445	- 0.2	- 0.2	- 0.2	- 0.2	- 0.2	- -	- -
LINKAGE, SHIFT - SHIFT LINKAGE - ADJUST	K5244	-	-	-	-	-	-	0.9
LINES, OIL COOLER - REPLACE POLICY: K								
	UPPER K5262	0.6	-	0.6	0.6	0.6	-	-
	LOWER K5263	0.6	0.6	0.6	0.6	0.7	-	-
HOSES, OIL COOLER (AT RADIATOR) - REPLACE POLICY: K								
	RIGHT ALLISON K5264	- 0.4 0.4	- - 0.4	- - 0.4	- - 0.4	0.3 - -	1.2 - -	1.6 - -
	LEFT ALLISON K5265	- 0.4 0.4	- - 0.4	- - 0.4	- - 0.4	0.3 - -	2.7 - -	1.6 - -
	BOTH K5269	0.7	0.7	0.7	0.7	0.5	1.2	3.2

K2

AUTOMATIC TRANSMISSION CONTROLS									
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR	
LINES, OIL COOLER - REPAIR OR REPLACE	BOTH	K5267							
	4L80E		1.1	-	-	-	-	-	-
	A445		1.6	1.6	1.6	1.6	-	-	-
FILTER ASSY, AUTOMATIC TRANSMISSION (IN-LINE) • REPLACE POLICY: K	ALLISON 4L80E	K5280	- 0.7	- -	- -	0.5 -	0.5 -	0.5 -	0.5 -
HOSES,OIL COOLER (AT TRANSMISSION) - REPLACE POLICY: K	UPPER	K5282							
	ALLISON		-	-	-	-	0.5	0.5	1.6
	4L80E		0.4	-	-	-	-	-	-
	A445		0.4	0.4	0.4	0.4	-	-	-
	LOWER	K5283							
	ALLISON		-	-	-	-	0.6	0.6	2.1
	4L80E		0.4	-	-	-	-	-	-
	A445		0.4	0.4	0.4	0.4	-	-	-
	BOTH	K5287							
	ALLISON		-	-	-	-	0.7	1.6	3.6
4L80E		0.6	-	-	-	-	-	-	
A445		0.6	0.6	0.6	0.6	-	-	-	
COOLER, AUTO TRANSMISSION OIL - R&R OR REPLACE POLICY: K		K5290	0.4	0.4	0.4	0.4	0.4	0.7	1.1
	4L80E		0.5	-	-	-	-	-	-
POWERTRAIN CONTROL MODULE (PCM) - REPLACE POLICY: E		K5365		.					
	4L80E		0.2	-	-	-	-	-	-
	A445		0.2	0.2	0.2	0.2	-	-	-
	Note: Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis.			0-0.3	0-0.3	0-0.3	0-0.3		
LINES AND/OR FITTINGS, TRANS OIL COOLER UPPER AT TRANSMISSION. REPAIR OR REPLACE		K5390	-	-	-	-	-	0.7	1.1
LINES AND/OR FITTINGS, TRANS OIL COOLER - UPPER OR LEFT AT RADIATOR - REPAIR OR REPLACE		K5391	-	-	-	-	-	0.7	1
LINES AND/OR FITTINGS, TRANSMISSION OIL COOLER AT TRANSMISSION - REPAIR OR REPLACE		K5392	-	-	-	-	-	0.8	1.3
LINES AND/OR FITTINGS, TRANSMISSION OIL COOLER - LOWER OR RIGHT 0 AT RADIATOR - REPAIR OR REPLACE		K5393	-	-	-	-	-	0.8	1.3
INDICATOR, TRANSMISSION OIL LEVEL (DIPSTICK) RPL.		K6130	0.2	0.2	0.2	0.2	-	-	-

K3

AUTOMATIC TRANSMISSION ALLISON								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
INDICATOR, TRANSMISSION OIL LEVEL (DIPSTICK) RPL.	K6130	-	-	-	-	-	-	0.2
TUBE AND/OR SEAL, TRANSMISSION FILLER - REPLACE	K6140	-	-	-	-	0.9	0.9	0.9
BOLTS, CONVERTER TO FLYWHEEL - REPLACE POLICY: K INC: R&R converter cover pan	K6300	-	-	-	-	1	1	1
SENSOR ASSEMBLY, AUTO TRANS FLUID TEMERATURE - REPLACE	K6305	-	-	-	-	0.8	0.8	0.2
SENSOR, VEHICLE SPEED - REPLACE	K6310	-	-	-	-	0.2	0.2	-
SENSOR, VEHICLE SPEED - REPLACE	K6315	-	-	-	-	0.8	0.8	-
MOUNT, TRANSMISSION - RIGHT - REPLACE	K6720	-	-	-	-	-	-	0.7
MOUNT, TRANSMISSION - LEFT - REPLACE	K6721	-	-	-	-	-	-	0.7
MOUNT, TRANSMISSION - REAR - REPLACE	K6723	-	-	-	-	-	-	0.8
MOUNT, TRANSMISSION - BOTH - REPLACE	K6727	-	-	-	-	-	-	1
CUSTOMER CONCERN NOT DUPLICATED	K9995	-	-	-	-	.1-0.3	.1-0.3	.1-0.3

K4

AUTOMATIC TRANSMISSION ELECTROMATIC®								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
AIT INDICATOR - REPLACE	K5100	0.4	-	-	-	-		
TRANSMISSION FLUID - ADD	K6100	0.2				-	-	-
TRANSMISSION OIL LEAK - ANALYZE INC: Add dye, run engine, inspect for leaks with black light or tracing powder. NOTE: This operation may only be claimed in conjunction with a failed part operation	K6105	0.5	-	-	-	-		
DIPSTICK, AUTOMATIC TRANSMISSION - REPLACE	K6130	0.3	-	-	-		-	-
INHIBITOR SWITCH, TRANSMISSION - REPLACE INC: D&C Shift Arm, Cable- Trans. side	K6275	0.3					-	-
INHIBITOR SWITCH, TRANSMISSION - ADJUST	K6270	0.2	-	-	-	-		-
COVER AND/OR GASKET, POWER TAKE-OFF - REPLACE	K6280	0.5	-	-	-	-		-
BOLTS, CONVERTER TO FLYWHEEL - REPLACE POLICY: K INC: R&R converter cover pan.	K6300	0.8	-	-	-	-	-	-
GEAR AND/OR SEAL, SPEEDOMETER DRIVEN - REPLACE POLICY: K	K6320	0.2						
SEAL, EXTENSION HOUSING REAR - REPLACE POLICY: K	K6360	1.2				-	-	-
COMPANION FLANGE - REPLACE POLICY: K	K6365	1.1	-	-	-	-		-
SEALED PLUG - REPLACE	K6367	0.1	-	-	-	-	-	-
OIL PRESSURE TEST	K6400	0.5	-	-	-	-	-	-
PAN AND/OR GASKET, TRANSMISSION OIL - REPLACE POLICY: K	K6500	0.8			-	-	-	-
ATFTHERMOSENSOR-REPLACE POLICY: K	K6515	1	-	-	-	-	-	
VEHICLE SPEED SENSOR #1 - REPLACE POLICY: K ADD: A - Replace O-Ring	K6516	0.2 0.1			-	-	-	-
TRANSMISSION CONTROL MODULE - R&:R POLICY: K ADD: A-'95 AND LATER CAB MODEL DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	K6517	0.2 0.1 0-3	-	-	-	-	-	-

K5

AUTOMATIC TRANSMISSION ELECTROMATIC®								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
VALVE BODY - R&R OR REPLACE POLICY: K INC: R&R oil pan, strainer, clean and inspect ADD: CLEANING THE VALVE BODY	K6560	1.5	-	-	-	-	-	-
SERVO ASSY. INTERMEDIATE - R&R OR REPLACE POLICY: K INC: Drain & refill, R&R valve body assy, accumulator springs, oil pan	K6620	1.6	-	-	-	-	-	-
PARKING PAWL SHAFT, ROD OR SPRING - REPLACE POLICY: K INC: Drain & refill, R&R prop shaft, center brg, speedo gear & cable, center brake assy.	K6640	1.4	-	-	-	-	-	-
VALVE BODY OIL FILTER - R&R POLICY: K INC: R&R Pan	K6550	1.7	-	-	-	-	-	-
SHIFT SOLENOIDS (AIB) - R&R POLICY: K INC: R&R Pan	K6630	1.6	-	-	-	-	-	-
SELECTOR SHAFT SEAL - R&R (MANUAL LEVER SEAL) INC: R&R Pan.	K6501	1.8	-	-	-	-	-	-

K6

AUTOMATIC TRANSMISSION ELECTROMATIC®								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
WIRING HARNESS- REPAIR	K6540	0.5	-	-	-	-	-	-
WIRING HARNESS - REPLACE	K6554	1	-	-	-	-	-	-
TORQUE CONVERTOR CONTROL SOLENOID (TCC) INC:R&R Pan	K6650	1	-	-	-	-	-	-
AUTOMATIC TRANSMISSION ASSEMBLY - REPLACE POLICY: A,K '91 and EARLIER INC: Drain and refill fluid, D&C center brake assy w/cable, R&R torque converter fixing bolts, clean & inspect and drive test, etc. ADD: A - Replace Torque Converter	K7000	3.9	-	-	-	-	-	-
CONVERTER ASSEMBLY, TRANSMISSION - REPLACE POLICY: A,K INC: Drain and refill fluid, D&C center brake assy w/cable, R&R torque converter fixing bolts, clean & inspect and drive test.	K7020	4	-	-	-	-	-	-
CONVERTER HOUSING, TRANSMISSION - REPLACE POLICY: K, INC: Drain and refill fluid, D&C center brake assy w/cable, R&R torque converter fixing bolts, clean & inspect. ADD: A - To Replace Front Oil Seal	K7040	4	-	-	-	-	-	-
SEAL, TRANSMISSION OIL PUMP - REPLACE POLICY: K INC:R&R Pan	K7100	4.1	-	-	-	-	-	-
OIL PUMP AND/OR GASKET, TRANSMISSION - REPLACE POLICY: K INC:R&R Pan	K7120	4.4	-	-	-	-	-	-
DRIVE GEAR, SPEEDO - REPLACE POLICY: K	K7700	1.4	-	-	-	-	-	-

K7

AUTOMATIC TRANSMISSION - 4L80E/4L85E								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
LEVER, SHIFT - REPLACE 2007 + New Cab	K5120	0.3 0.4	- -	- -	- -	- -	- -	- -
TRANSMISSION FLUID - ADD	K6100	0.2	-	-	-	-	-	-
TRANSMISSION OIL LEAK - ANAL YZE INC: Add dye, run engine, inspect for leaks with black light or tracing powder. NOTE: This operation may only be claimed in conjunction with a failed part operation	K6105	0.5	-	-	-	-	-	-
DIPSTICK, AUTOMATIC TRANSMISSION - REPLACE	K6130	0.2	-	-	-	-	-	-
TUBE AND/OR SEAL, DIPSTICK TRANSMISSION-REPLACE	K6140	0.3	-	-	-	-	-	-
BOLTS, CONVERTER TO FLYWHEEL - REPLACE POLICY: K INC: R&R converter cover pan.	K6300	1	-	-	-	-	-	-
SENSOR, VEHICLE SPEED - REPLACE POLICY: E 2007 + New Cab	K6310	0.2	-	-	-	-	-	-
SENSOR ASSEMBLY, SPEED INPUT - REPLACE POLICY: E, K 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis. POLICY: E, K 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	K6311 K6312	0.2 0.2	- -	- -	- -	- -	- -	- -
TRANSMISSION FLUID PRESSURE SWITCH - REPLACE POLICY: E, K 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	K6351	1.1 0.3	- -	- -	- -	- -	- -	- -
SENSOR, TEMPERATURE-REPLACE POLICY: E, K 2007 + New Cab 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	K6352	1 0.2 0.3	- -	- -	- -	- -	- -	- -
PRESSURE, CONTROL SOLENOID - REPLACE POLICY: E, K 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	K6353	1 0.3	- -	- -	- -	- -	- -	- -
SEAL, EXTENSION HOUSING REAR - REPLACE POLICY: K	K6360	0.6	-	-	-	-	-	-
COMPANION FLANGE - REPLACE POLICY: K	K6365	0.3	-	-	-	-	-	-
HOUSING AND/OR HOUSING TO CASE "O"RING SEAL OR GASKET, EXTENSION - REPLACE POLICY: K INC: D&C U-joint, center bearing, parking brake backing plate assy, R&R parking drum, rear mount, clean surface gasket. ADD: A - To Replace Extension Housing Bushing	K6390	0.7 0.1	- -	- -	- -	- -	- -	- -
OIL PRESSURE TEST	K6400	0.5	-	-	-	-	-	-
PAN AND/OR GASKET, TRANSMISSION OIL - REPLACE POLICY: K ADD: To Replace Solenoid Connector	K6500	0.7 0.1	- -	- -	- -	- -	- -	- -
SHAFT AND/OR SEAL, MANUAL - REPLACE POLICY: K INC: Drain & refill fluid, R&R pan & gasket, detent spring, AT fluid pressure switch assy, valve body assy with front servo, parking lock bracket.	K6501	1.2	-	-	-	-	-	-

K8

AUTOMATIC TRANSMISSION - 4L80E/4L85E								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
LEVER, DETENT-REPLACE POLICY: K INC: Drain & refill fluid, R&R pan & gasket, detent spring, AT fluid pressure switch assy, valve body assy with front servo, parking lock bracket	K6502	1.2	-	-	-	-	-	-
ROD, PARK ACTUATOR - REPLACE POLICY: K INC: Drain & refill fluid, R&R pan & gasket, detent spring, AT fluid pressure switch assy, valve body assy with front servo, parking lock bracket	K6503	1.2	-	-	-	-	-	-
CONTROL UNIT, TRANSMISSION ELECTRICAL - REPLACE	K6517	0.6	-	-	-	-	-	-
WIRING HARNESS - REPLACE POLICY: E, K INC: Drain & refill fluid, R&R pan & gasket	K6554 HARNESS ASSEMBLY	0.8	-	-	-	-	-	-
actual time performing diagnosis.			0-3	-	-	-	-	-
WIRING HARNESS AND/OR SOLENOID - 1-2 SHIFT SOLENOID - REPLACE POLICY: E, K actual time performing diagnosis.	K6555	1	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
WIRING HARNESS AND/OR SOLENOID -2-3 SHIFT SOLENOID - REPLACE POLICY: E, K actual time performing diagnosis.	K6556	1	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
SOLENOID SOLENOID - REPLACE POLICY: E, K actual time performing diagnosis.	K6557	1	-	-	-	-	-	-
		0-3	-	-	-	-	-	-
VALVE BODY - R&R OR REPLACE POLICY: E, K INC: Drain & refill fluid, R&R pan & gasket, detent spring, AT fluid pressure switch assy, valve body assy with front servo ADD: To Clean and Recondition Valve Body	K6560	1.2	-	-	-	-	-	-
		0.8	-	-	-	-	-	-
PARKING PAWL SHAFT, ROD OR SPRING - REPLACE POLICY: K INC: Drain & refill, R&R prop shaft, center brg, speedo gear & cable, center brake assy.	K6640	1.1	-	-	-	-	-	-
SERVO, FRONT - R&R OR REPLACE POLICY: K INC: Drain & refill, R&R pan & gasket, detent spring, AT fluid pressure switch assy, valve body assy	K6685	0.7	-	-	-	-	-	-
SERVO, REAR - R&R OR REPLACE INC: Drain & refill fluid, R&R pan & gasket, D&C lubrication pipe, R&R 203 shift solenoid, inspect	K6686	0.8	-	-	-	-	-	-
MOUNT AND/OR BRACKET, TRANSMISSION - REPLACE	K6723	0.5	-	-	-	-	-	-

K9

AUTOMATIC TRANSMISSION - 4L80E/4L85E								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
AUTOMATIC TRANSMISSION ASSEMBLY - R&R 2007 + New Cab POLICY: A,K Note: Disassemble, inspect and reassemble add time to be used as needed when it has been determined that the cost of overhaul exceeds the cost of replacement. Includes: Cooler line flush and road test. ADD: To Disassemble, Inspect and Reassemble Core Trans	K7000	3.7 2.9	-	-	-	-	-	-
CONVERTER ASSEMBLY, TRANSMISSION - REPLACE POLICY: K INC: Drain & refill fluid, D&C center brake assy w/cable, speed sensors, both exhaust pipe; R&R air cleaner assy, oil level gauge & guide tube, torque converter fixing bolts, cooler line flush, clean & inspect, drive test, etc. ADD: To Recondition Trans	K7020	3.1	-	-	-	-	-	-
SEAL, TRANSMISSION OIL PUMP - REPLACE POLICY: K INC: Drain & refill fluid, D&C center brake assy w/cable, speed sensors, both exhaust pipe; R&R air cleaner assy, oil level gauge & guide tube, torque converter fixing bolts, cooler line flush, clean & inspect, drive test, etc.	K7100	3.3	-	-	-	-	-	-
PUMP, TRANSMISSION OIL - R&R OR REPLACE POLICY: K INC: Drain & refill fluid, D&C center brake assy w/cable, speed sensors, both exhaust pipe; R&R air cleaner assy, oil level gauge & guide tube, torque converter fixing bolts, cooler line flush, clean & inspect, drive test, etc. ADD: To Recondition Oil Pump To Recondition Trans	K7121	4 0.3 3.7	-	-	-	-	-	-
PUMP GASKET AND/OR O-RING SEAL - R&R OR REPLACE POLICY: K INC: Drain & refill fluid, D&C center brake assy w/cable, speed sensors, both exhaust pipes; R&R air cleaner assy, oil level gauge & guide tube, torque converter fixing bolts, cooler line flush, clean & inspect, drive test, etc. ADD: To Recondition Oil Pump To Recondition Trans	K7122	4 0.3 3.9	-	-	-	-	-	-
CLUTCH PACK, 4TH - R&R OR REPLACE POLICY: K Includes: Cooler line flush and road test. ADD: To Recondition Trans	K7151	4.8 3.9	-	-	-	-	-	-

K10

AUTOMATIC TRANSMISSION - 4L80E/4L85E								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
OVERDRIVE UNIT - R&R OR REPLACE POLICY: K Includes: Cooler line flush and road test. ADD: To Recondition Trans	K7152	4.7	-	-	-	-	-	-
CLUTCH ASSEMBLLY, FORWARD - R&R OR REPLACE POLICY: K Includes: Cooler line flush and road test. ADD: To Recondition Trans	K7221	4.9	-	-	-	-	-	-
SHAFT, TURBINE - REPLACE POLICY: K Includes: Cooler line flush and road test. ADD: To Recondition Trans	K7222							
DIRECT AND INTERMEDIATE CLUTCH - R&R OR REPLACE POLICY: K Includes: Cooler line flush and road test. ADD: To Recondition Trans	K7361	5	-	-	-	-	-	-
BAND, FRONT - R&R OR REPLACE POLICY: K Includes: Cooler line flush and road test. ADD: To Recondition Trans	K7363	4.8	-	-	-	-	-	-
SHAFT, SUN GEAR - R&R OR REPLACE POLICY: K Includes: Cooler line flush and road test. ADD: To Recondition Trans	K7364	5.1	-	-	-	-	-	-
SPRAG ASSEMBLY - INTERMEDIATE CLUTCH - REPLACE POLICY: K Includes: Cooler line flush and road test. ADD: To Recondition Trans	K7365	5.2	-	-	-	-	-	-
SUPPORT, CENTER - R&R OR REPLACE POLICY: K Includes: Cooler line flush and road test. ADD: To Recondition Trans	K7381	5.3	-	-	-	-	-	-
GEAR UNIT ASSEMBLY - R&R OR REPLACE POLICY: K Includes: Cooler line flush and road test. ADD: To Recondition Trans	K7382	5.1	-	-	-	-	-	-

K11

AUTOMATIC TRANSMISSION - 4L80E/4L85E

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BAND, REAR - R&R OR REPLACE POLICY: K Includes: Cooler line flush and road test. ADD: To Recondition Trans	K7383	5.2						
		2.9	-	-	-	-	-	-

K12

AUTOMATIC TRANSMISSION AISIN A445								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SHIFT RANGE INDICATOR - REPLACE	K5100	0.4	0.4	0.4	0.4	-	-	-
LEVER, SHIFT - REPLACE 2007 + New Cab	K5120	0.3 0.4	0.3 0.4	0.3 0.4	0.3 0.4	- -	- -	- -
TRANSMISSION FLUID - ADD	K6100	0.2	0.2	0.2	0.2	-	-	-
TRANSMISSION OIL LEAK - ANALYZE INC: Add dye, run engine, inspect for leaks with black light or tracing powder. NOTE: This operation may only be claimed in conjunction with a failed part operation.	K6105	0.5	0.5	0.5	0.5	-	-	-
DIPSTICK, AUTOMATIC TRANSMISSION - REPLACE	K6130	0.1	0.1	0.1	0.1	-	-	-
INHIBITOR SWITCH, TRANSMISSION - REPLACE INC: D&CShift Arm, Cable - Trans. side	K6275	0.4	0.4	0.4	0.4	-	-	-
INHIBITOR SWITCH, TRANSMISSION - ADJUST	K6270	0.2	0.2	0.2	0.2	-	-	-
COVER AND/OR GASKET, POWER TAKE-OFF - REPLACE	K6280	0.5	0.5	0.5	0.5	-	-	-
BOLTS, CONVERTER TO FLYWHEEL - REPLACE POLICY: K INC: R&R converter cover pan.	K6300	0.8	0.8	0.8	0.8	-	-	-
SENSOR, VEHICLE SPEED - REPLACE POLICY: E	K6310	0.2	0.2	0.2	0.2	-	-	-
SENSOR, VEHICLE SPEED - REPLACE POLICY: E 2007 + New 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	K6311	0.4 0.2 0-3	0.4 0.2 0-3	0.4 0.2 0-3	0.4 0.2 0-3	- - -	- - -	- - -
SENSOR, VEHICLE SPEED - REPLACE POLICY: E 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	K6312	0.2 0-3	0.2 0-3	0.2 0-3	0.2 0-3	- -	- -	- -
GEAR AND/OR SEAL, SPEEDOMETER DRIVEN - REPLACE POLICY: K	K6320	0.2	0.2	0.2	0.2	-	-	-
SENSOR, TEMPERATURE - REPLACE POLICY: E 2007 + New 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	K6352	1 0.2 0-3	1 0.2 0-3	1 0.2 0-3	1 0.2 0-3	- - -	- - -	- - -
SEAL, EXTENSION HOUSING REAR - REPLACE POLICY: K	K6360	1.2	1.2	1.2	1.2	-	-	-
COMPANION FLANGE - REPLACE POLICY: K	K6365	1.1	1.1	1.1	1.1	-	-	-
SEALED PLUG - REPLACE	K6367	0.2	0.2	0.2	0.2	-	-	-
OIL PRESSURE TEST	K6400	0.5	0.5	0.5	0.5	-	-	-
PAN AND/OR GASKET, TRANSMISSION OIL - REPLACE POLICY: K	K6500	1.1	1.1	1.1	1.1	-	-	-
ATF THERMO SWITCH - REPLACE POLICY: K	K6480	0.3	0.3	0.3	0.3	-	-	-

K13

AUTOMATIC TRANSMISSION AISIN A445								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
CONTROL UNIT, TRANSMISSION ELECTRICAL - REPLACE	K6517	0.6	0.6	0.6	0.6	-	-	-
SHIFT SOLENOIDS (#1/#2) - R&R POLICY: K INC: R&R Pan	K6630	1.1	1.1	1.1	1.1	-	-	-
TIMING SOLENOID - REPLACE POLICY: K	K6485	1.1	1.1	1.1	1.1	-	-	-
LOCK-UP SOLENOID - REPLACE POLICY: K	K6486	1.1	1.1	1.1	1.1	-	-	-
WIRING HARNESS - REPAIR	K6551	0.5	0.5	0.5	0.5	-	-	-
WIRING HARNESS - REPLACE POLICY: E, K	K6554	1.4	1.4	1.4	1.4	-	-	-
MOUNT, TRANSMISSION - RIGHT - REPLACE	K6720	0.5	0.5	0.5	0.5	-	-	-
MOUNT, TRANSMISSION - LEFT - REPLACE	K6721	0.5	0.5	0.5	0.5	-	-	-
MOUNT, TRANSMISSION - REAR - REPLACE	K6723	0.2	0.2	0.2	0.2	-	-	-
MOUNT, TRANSMISSION - BOTH - REPLACE	K6727	0.8	0.8	0.8	0.8	-	-	-
AUTOMATIC TRANSMISSION ASSEMBLY - REPLACE POLICY: A, K INC: Drain and refill fluid, D&C center brake assy w/cable, R&R torque converter fixing bolts, clean & inspect and drive test, etc.	K7000	5.4	5.4	5.4	5.4	-	-	-
CONVERTER ASSEMBLY, TRANSMISSION - REPLACE POLICY: K INC: Drain and refill fluid, D&C center brake assy w/cable, R&R torque converter fixing bolts, clean & inspect and drive test, etc.	K7020	2.8	2.8	2.8	2.8	-	-	-
MOUNT AND/OR BRACKET, TRANSMISSION - REPLACE	K6723	0.5	0.5	0.5	0.5	-	-	-
CUSTOMER CONCERN NOT DUPLICATED	K9995	.1-0.3	.1-0.3	.1-0.3	.1-0.3	-	-	-

K14

AUTOMATIC TRANSMISSION AISIN A465								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
AUTOMATIC TRANSMISSION ASSEMBLY - REPLACE POLICY: A, K INC: Drain and refill fluid, D&C center brake assy w/cable, R&R torque converter fixing bolts, clean & inspect and drive test, contact TQC, complete AISIN Diagnostics/Core form, etc.	K7000	5.4	5.4	5.4	5.4	-	-	-

L1

FUEL AND EXHAUST								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
PIPE, FUEL - REPAIR	L0100	0.5	0.5	0.5	0.5	0.5	0.5	0.5
HOSES, FUEL (TANK AREA) - REPLACE POLICY: E	L0240	0.2	0.2	0.2	0.3	0.3	0.3	0.3
LINES, FUEL (DIESEL) - REPLACE INC: Making new line.								
TANK TO PRIMARY FILTER (FLEXIBLE)	L0330	0.2	0.2	0.2	-	-	-	-
PRIMARY FILTER TO FUEL PUMP (STEEL)	L0390	-	-	-	0.4	0.4	0.4	0.4
CANISTER ASM: FUEL VAPOR (GASOLINE) - REPLACE POLICY: E	L0621	0.2	-	-	-	-	-	-
BRACKET, PRIMARY FUEL FILTER (DIESEL) - REPLACE	L0700	0.3	0.3	0.3	0.3	0.3	0.3	0.3
FILTER ELEMENT, FUEL (DIESEL) - REPLACE 2007 + New Cab	L0730	0.2 0.3	0.2 0.3	0.2 0.3	0.2 0.3	0.2 -	0.2 -	0.2 -
FUEL FILTER SYSTEM COMPONENTS (DIESEL) - REPLACE WATER IN FUEL WARNING SWITCH 2007 + New Cab	L0739	0.3 0.2	0.3 0.2	0.3 0.2	0.3 0.2	- -	- -	- -
FUEL FILTER (GASOLINE) - REPLACE	L0740	0.2	0.2	0.2	-	-	-	-
MODULE, FUEL TRANSFER - REPLACE POLICY: E	L0763	-	-	-	-	-	1.9	2.1
CAP, FUEL TANK - REPLACE POLICY: E - (California Only) ONE OR BOTH	L1020	0.2	0.2	0.2	0.2	0.2	0.2	0.2
NECK, HOSE AND/OR VENT HOSE: FITANK FILLER - REPLACE POLICY: E (E - California Only)	L1068	0.4	-	-	-	-	-	-
STRAPS, FUEL TANK RETAINING - REPLACE POLICY: E INC:Support Tank								
RIGHT TANK	L1164	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LEFT TANK	L1165	-	-	-	0.7	-	-	-
FUEL GAUGE SENDER & PUMP (GASOLINE) - REPLACE	L1220	0.3	0.3	0.3	-	-	-	-
GUAGE, FUEL (TANK UNIT) - REPLACE INC: Drain and refill tank where necessary								
RIGHT TANK	L1224	0.3	0.3	0.3	0.3	0.6	1.5	1.5
LEFT TANK	L1225	-	-	-	-	-	1.5	1.5
Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis:		-	-	-	-	-	0-0.3	0-0.3
TANK, FUEL - REPLACE POLICY: E (E - California Only) INC: Drain and refill tank. R&R fuel gauge								
RIGHT FRAME MOUNTED TANK GASOLINE	L1280	1.3 0.5	1.3 -	1.3 -	1.3 -	0.8 -	0.8 -	0.8 -
LEFT	L1281							
ADD: A - To Replace Fuel Tank Straps (Each Tank) FRAME MOUNTED TANK		-	-	-	-	0.2	0.2	0.2

L2

FUEL AND EXHAUST									
OPERATION DESCRIPTION	OPERATION	NPR	N/W	NQR	NRR	FRR	FTR	HTR	
	NUMBER	W3/W4	CREW	W4/W5	W5500HD	WT5500	FVR	HVR	FXR HXR
EXHAUST SYSTEM - ALIGN	SINGLE	L2004	0.3	0.3	0.3	0.3	0.3	0.3	0.3
HANGER AND/OR CLAMP, EXHAUST SYSTEM - REPLACE	EACH	L2020	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2007 + New Cab			0.4	0.4	0.4	0.4	-	-	-
SEAL, EXHAUST PIPE - REPLACE	EACH	L2040	0.5	0.5	0.5	0.5	0.5	0.5	0.5
POLICY: E	2007 + New		0.5	0.5	0.5	0.5	-	-	-
PIPE, EXHAUST FRONT - REPLACE		L2160	0.4	0.4	0.4	0.4	-	0.5	0.5
POLICY: E	2007 + New Cab		0.5	0.5	0.5	0.5	-	-	-
ADD:			0.2	0.2	-	-	-	-	-
A - Both banks (FOR GASOLINE VEHICLES ONLY)									
FILTER, EXHAUST PARTICULATE - REPLACE		L2295	0.8	0.8	0.8	0.8	-	0.8	0.8
POLICY: E									
CONVERTER, EXHAUST CATALYTIC - RPL.		L2300	0.3	0.3	0.3	0.3	0.4	0.8	1
POLICY: E									
Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis:			0-0.3	0-0.3	0-0.3	0-0.3	-	0-0.3	0-0.3
PIPE, INTERMEDIATE, EXHAUST - REPLACE		L2420	0.5	0.5	0.5	0.5	-	0.4	0.4
POLICY: E									
INSULATOR AND/OR BRACKET, MUFFLER RUBBER - REPLACE		L2523		-	-	-	-	0.3	0.3
INSULATOR AND/OR BRACKET,									
MUFFLER RUBBER - REPLACE	INTERMEDIATE	L2526	0.2	0.2	0.2	0.2	-	0.3	0.3
MUFFLER HANGER/BRACKET - REPLACE		L2550		-	-	-	-	0.4	0.4
STRAP, MUFFLER - REPLACE		L2560	0.2	0.2	0.2	0.2	-	0.3	0.3
MUFFLER - REPLACE	SINGLE	L2584	0.3	0.3	0.3	0.3	0.3	0.3	0.3
INC:Check system for leaks	2007 + New Cab		0.4	0.4	0.4	0.4	-	-	-
GASOLINE ENGINE			0.3	0.3	-	-	-	-	-
ADD:			-	-	-	0.5	0.5	0.5	0.5
A - To Replace Exhaust Pipe			-	-	-	0.1	0.1	0.1	0.1
B - To Replace Tailpipe (Horizontal Mounted)			0.4	0.4	-	-	-	-	-
C - For MPI-V8 engines only .									
PIPE, TAIL - REPLACE	SINGLE	L2000	0.2	0.2	0.2	0.2	0.2	0.2	0.2
INC:Align and check system									
EXHAUST PARTICULATE FILTER REPLACEMENT		L2295	0.8	0.8	0.8	0.8	-	0.8	0.8
POLICY: C									
Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis:			-	-	-	-	-	0-0.3	0-0.3

L3

FUEL AND EXHAUST								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
CONVERTER, OXIDATION CATALYTIC - REPLACE POLICY: C, E, Diagnosis Time: You may claim up to the allowable labor hours depending on actual time performing diagnosis:	L2300	0.3 0-0.3	0.3 0-0.3	0.3 0-0.3	0.3 0-0.3	- -	0.8 0-0.3	1 -
PIPE, TAIL - REPLACE 007 + New Cab INC:Align and check system	L2800	0.2	0.2	0.2	0.2	-	-	-
PIPE, SINGLE EXHAUST (DIESEL) - REPLACE ONE PIECE INC:Check system for leaks ADD: A - To Replace Muffler (Horizontal Mounted)	L2850	0.7 0.2	0.7 0.2	0.7 0.2	0.7 0.2	0.7 0.3	0.7 0.3	0.7 0.3
INSULATOR AND/OR BRACKET, TAILPIPE - REPLACE EACH SIDE	L2880	0.2	0.2	0.2	0.2	-	-	-
EXHAUST SYSTEM, COMPLETE (GASOLINE) - REPLACE	L2904	1.2	-	-	-	-	-	-
EXHAUST SYSTEM, COMPLETE (DIESEL) - REPLACE	L2904	0.9	0.9	0.9	0.9	-	0.9	0.9
DIESEL PARTICULATE FILTER (DPF) - REPLACE	L3395	0.8	0.8	0.8	0.8	-	-	-

N1

ELECTRICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
BATTERY - CHARGE AND TEST ONE OR BOTH INC: Diagnosis of charging circuit, draw test and load test 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0100	0.3	0.3	0.3	0.3	0.3	0.3	0.5
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
INSULATOR, BATTERY - REPLACE	N0108	-	0.2	-	-	-	-	-
BATTERY - REPLACE INC: Diagnosis of charging circuit, draw test and load test NOTE: Warranty covered for 12 months/unlimited mileage ONE GMPT V-8 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis. BOTH Diagnosis Time using digital battery analyzer: You may claim up to up to the allowable labor hours depending on actual time performing diagnosis.	N0110 N0117	0.4 0.2 0-3 0.4 0-2	0.4 0.2 0-3 0.4 0-2	0.4 - 0-3 0.4 0-2	0.4 - 0-3 0.4 0-2	0.3 - 0-3 0.4 0-2	0.4 - 0-3 0.6 0-3	0.5 - 0-3 0.6 0-3
CABLES, BATTERY-REPLACE POSITIVE BATTERY TO STARTER 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0120	0.3	0.3	0.3	0.3	0.3	1.3	0.6
		0-3	0-3	0-3	0-3	0-3	-	0-3
CABLES, BATTERY - POSITIVE - BATTERY TO BATTERY - REPLACE 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0121	-	-	-	-	-	0.6	0.8
		-	-	-	-	-	0-3	0-3
CABLES, BATTERY - POSITIVE - BATTERY TO GENERATOR AND JUNCTION BOX - REPLACE 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0123	-	0.6	-	-	-	-	-
		-	0-3	-	-	-	-	-
CABLES, BATTERY - NEGATIVE - EACH - REPLACE 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0128	0.3	0.3	0.3	0.3	0.3	0.8	0.5
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
CABLES, BATTERY - NEGATIVE - BATTERY TO BATTERY - REPLACE 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0129	-	-	-	-	-	0.3	0.3
		-	-	-	-	-	0-3	0-3
COMPRESSOR, AIR (AUXILIARY) - REPLACT 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0140	-	-	-	-	-	1.5	1.4
		-	-	-	-	-	0-3	0-3
OULET, AUXILIARY POWER - REPLACE 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0145	-	0.3	-	-	-	-	-
		-	0-3	-	-	-	-	-

N2

ELECTRICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
HORN ASSEMBLY - REPLACE ELECTRIC 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0200	0.4 0-.3	0.4 0-.3	0.4 0-.3	0.4 0-.3	0.3 0-.3	0.6 0-.3	0.2 0-.3
HEADLAMP ASSEMBLY - REPLACE 2007 + New Cab ONE BOTH	N0250 N0252	0.4 0.6	0.4 0.6	0.4 0.6	0.4 0.6	- -	- -	- -
BULBS, HEADLAMP - REPLACE 2007 + New Cab RIGHT LEFT BOTH	N0442 N0443 N0444	0.2 0.2 0.3	0.2 0.2 0.3	0.2 0.2 0.3	0.2 0.2 0.3	- - -	- - -	- - -
SEALED BEAM AND/OR RETAINING RING, HEADLAMP - REPLACE INC:Aim headlamps RIGHT ONE 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis. LEFT ONE BOTH (SAME SIDE) 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0300 N0301	0.4 0-.3 0.4 0.5 0-.3	0.4 0-.3 0.4 0.5 0-.3	0.4 0-.3 0.4 0.5 0-.3	0.4 0-.3 0.4 0.5 0-.3	0.3 0-.3 0.3 0.4 0-.3	0.3 0-.3 0.3 0.3 0-.3	0.3 0-.3 0.3 0.3 0-.3
MODULE, DAYTIME RUNNING LIGHT - REPLACE 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0363	0.3 -	0.6 -	0.3 -	0.3 -	0.3 -	0.5 0-.3	1 0-.3
SWITCH, AIR PARKING BRAKE CUT OFF DAYTIME RUNNING LIGHT - REPLACE 'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N0375	- -	- -	- -	- -	- -	0.2 0-.3	0.2 0-.3
BULBS, LAMP - REPLACE BACK-UP RIGHT LEFT Bulb, Composite Headlamp (Right) - Replace Bulb, Composite Headlamp (Left) - Replace Bulbs, Lamp - Interior/Courtesy - Replace Bulbs, Lamp - Instrument Panel Cluster (One Or All) - Replace PARK AND TRUN SIGNAL LAMP - REPLACE RIGHT LEFT	N0410 N0411 N0440 N0441 N0520 N0627 N0672 N0673 N0680 N0681	0.2 0.2 0.2 0.2 0.2 0.4 0.2 0.2	0.2 0.2 0.2 0.2 0.2 0.4 0.2 0.2	0.2 0.2 0.2 0.2 0.2 0.4 0.2 0.2	0.2 0.2 0.2 0.2 0.2 0.4 0.2 0.2	0.2 0.2 - - 0.2 0.4 0.2 0.2	0.2 0.2 - - 0.2 0.4 - -	0.2 0.2 - - 0.2 1.2 0.2 0.2

N3

ELECTRICAL										
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR		
BULBS, LAMP - REPLACE (CONTINUED)										
ROOF CLEARANCE										
2007 + New Cab										
2007 + New Cab ONE	N0690	0.2	0.2	0.2	0.2	-	-	-		
2007 + New Cab ALL	N0691	0.2	0.2	0.2	0.2	-	-	-		
ONE	N0700	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
TWO OR MORE		0.3	0.3	0.3	0.3	0.3	0.3	0.3		
FRONT SIDE MARKER LAMP - REPLACE										
RIGHT	N0734	0.2	0.2	0.2	0.2	-	-	-		
LEFT	N0735	0.2	0.2	0.2	0.2	-	-	-		
STOP, TAIL AND TURN SIGNAL										
RIGHT	N0760	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
LEFT	N0761	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
SOCKET, LAMP - INTERIOR - REPLACE	N0910	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
SOCKET, LAMP - EXTERIOR - REPLACE	N0912	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
LENS AND/OR GASKET, LAMP - REPLACE										
DOME (ONE OR ALL)	N1157	0.2	0.2	0.2	0.2	-	-	-		
LAMP ASSEMBLY, DOME - REPLACE										
ONE OR ALL	N1456	0.3	0.3	0.3	0.3	-	-	-		
LAMP ASSEMBLY - REPLACE (PARK AND TURN RIGHT)	N1520	0.2	0.2	0.2	0.2	-	-	-		
LAMP ASSEMBLY - REPLACE (PARK AND TURN LEFT)	N1521	0.2	0.2	0.2	0.2	-	-	-		
COVER, FUSE BLOCK - REPLACE	N1710	0.2	0.2	0.2	0.2	-	-	-		
FUSE - REPLACE	N1720	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
INC:One or more										
Maxi Fuse - Replace	N1724	-	0.2	-	-	-	-	-		
BLOCK ASSEMBLY, WIRING HARNESS JUNCTION - ENGINE - REPLACE	N1730	-	0.6	-	-	-	-	-		
*DIAGNOSIS TIME: You may claim O.Oto 0.3 hours depending on time performing diagnosis.		-	0.3	-	-	-	-	-		
FLASHER - REPLACE HAZARD WARNING	N1750	0.3	0.3	0.3	0.2	0.2	0.3	0.4		
2007 + New Cab		0.2	0.2	0.2	0.2	-	-	-		
TURN SIGNAL	N1760	0.3	0.3	0.2	0.3	0.3	0.3	0.3		
*DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.		0-3	0-3	0-3	0-3	0-3	0-3	0-3		
CIRCUIT BRAKER - REPLACE	N1780	0.2	0.2	0.2	0.2	0.2	0.2	0.2		

N4

ELECTRICAL

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
ALARM - REPLACE TONE GENERATOR *DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.	N1880	-	-	-	-	0.2	0.2	-
		-	-	-	-	0-3	0-3	-
ALARM - MULTIFUNCTION - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N1860	-	-	-	-	-	0.2	0.8
		-	-	-	-	-	0-3	0-3
BLOCK, FUSE-REPLACE 2007 + New Cab	N1920	0.9	0.9	0.9	0.9	0.4	0.4	0.4
		0.5	0.5	0.5	0.5	-	-	-
LINK, FUSIBLE - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N1940	0.2	0.2	0.2	0.2	0.2	0.2	0.8
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
SWITCH - REPLACE BACK-UP LAMP DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2030	0.2	0.2	0.2	0.2	0.2	0.7	0.8
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
SWITCH - DOOR AJAR RIGHT FRONT LEFT FRONT RIGHT REAR LEFT REAR DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2110 N2111 N2112 N2113	0.2 0.2 - -	0.2 0.2 0.2 0.2	0.2 0.2 - -	0.2 0.2 - -	- - - -	- - - -	- - - -
		-	0-3	-	-	-	-	-
SWITCH - DOOR LOCK - REPLACE RIGHT LEFT	N2114 N2115							0.4 0.4
SWITCH - MODULE, FRONT DOOR - REPLACE RIGHT LEFT DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2116 N2117							0.3 0.3 0-3
SWITCH - DOOR WINDOW LEFT FRONT DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2141 N2142	0.5 0.5	0.5 0.5	0.5 0.5	0.5 0.5	0.5 0.5	- -	- -
		0-3	0-3	0-3	0-3	0-3	-	-
POWER WINDOW REGULATOR SWITCH, FRONT DOOR - REPLACE RIGHT LEFT DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2144 N2145	0.1 0.1	0.1 0.1	0.1 0.1	0.1 0.1	- -	- 0.7	0.5 0.5
							0-3	0-3

N5

ELECTRICAL

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
SWITCH - DOOR WINDOW RIGHT LEFT DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2154	-	0.5	-	-	-	-	0.4
	N2155	-	0.3	-	-	-	-	0.4
		-	0-3	-	-	-	-	0-3
SWITCH - DOOR JAMB LEFT FRONT RIGHT REAR LEFT REAR DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2175	-	-	-	-	-	0.5	0.5
	N2184	-	-	-	-	-	-	0.5
	N2185	-	-	-	-	-	-	0.5
		-	-	-	-	-	0-3	0-3
ENGINE OIL PRESSURE - SW/SENDER DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2220	0.2	0.2	0.2	0.2	0.3	0.8	0.5
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
ENGINE COOLANT TEMPERATURE SENDER POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2230	0.3	0.3	0.3	0.3	0.3	1.2	0.5
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
SWITCH 0 REPLACE (HAZARD WARNING) 2007 + New Cab	N2247	0.2	0.2	0.2	0.2	-	-	-
SWITCH - INSTRUMENT PANEL COMPARTMENR LAMP - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2280	-	-	-	-	-	0.4	0.8
		-	-	-	-	-	0-3	0-3
SWITCH, HEADLAMP - REPLACE 2007 + New Cab DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2290	0.5	0.5	0.5	0.5	0.3	0.3	0.3
		0.2	0.2	0.2	0.2	-	-	-
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
HEADLAMP DIMMER-SW DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2310	0.5	0.5	0.5	0.5	0.3	0.3	0.5
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
INSTRUMENT PANEL DIMMER AND INTERIOR LAMP ON/OFF- DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2317	-	-	-	-	0.5	0.5	0.7
		-	-	-	-	0-3	0-3	0-3
IGNITION SWITCH 2007 + New Cab DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2320	0.3	0.4	0.3	0.3	0.3	1.7	1.5
		0.2	0.2	0.2	0.2	-	-	-
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
SWITCH - INHIBITOR - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2323	0.3	0.3	0.3	0.3	-	-	-
		0-3	0-3	0-3	0-3	-	-	-

N6

ELECTRICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
LOW AIR PRESSURE - SW/SENSOR DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2340	-	-	-	-	0.3	0.9	1.3
		-	-	-	-	0-3	0-3	0-3
SWITCH - CLUTCH START - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2360	0.2	0.2	0.2	0.2	0.3	0.2	0.2
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
SWITCH, AUTOMATIC TRANSMISSION OVERDRIVE - RPL. DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2365	-	-	-	-	-	-	0.5
		-	-	-	-	-	-	0-3
SWITCH, POWER TAKE-OFF - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2366	-	-	-	-	-	1.1	0.5
		-	-	-	-	-	-	0-3
SWITCH - PARKING BRAKE LAMP - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2380	-	-	-	-	-	0-3	0-3
		-	-	-	-	-	-	-
SWITCH - REAR COMPARTMENT - LID RELEASE - RPL. DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2388	-	0.3	-	-	-	-	-
		-	0-3	-	-	-	-	-
SWITCH - ROOF CLEARANCE LAMP - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2390	0.3	0.3	0.3	0.3	0.3	0.3	0.3
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
SWITCH - STOP LAMP - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2440	0.3	0.3	0.3	0.3	1.1	0.9	0.4
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
SWITCH - TURN SIGNAL AND HAZARD WARNING - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2530	0.5	0.5	0.5	0.5	0.3	1.8	0.6
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
SWITCH - HAZARD WARNING - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2540	-	0.2	-	-	-	-	-
		-	0-3	-	-	-	-	-
SWITCH - WIPER - WINDSHIELD - REPLACE 2007 + New Cab DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2610	0.5	0.4	0.5	0.5	0.3	0.3	1
		0.3	0.3	0.3	0.3	-	-	-
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
CYLINDER, IGNITION SWITCH - REPLACE	N2720	0.3	0.3	0.3	0.3	0.2	0.3	-

N7

ELECTRICAL

OPERATION DESCRIPTION	OPERATION	NPR	N/W	NQR	NRR	FRR	FTR	HTR
	NUMBER	W3/W4	CREW	W4/W5	W5500HD	WT5500	FVR FXR	HVR HXR
CONTROL ASSEMBLY, TURN SIGNAL - R&R OR REPLACE 2007 + New Cab DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N2760	0.5	0.5	0.5	0.5	0.5	0.5	-
		0.3	0.3	0.3	0.3	-	-	-
		0-3	0-3	0-3	0-3	0-3	0-3	0-3
RELAY - VARIOUS Note: Any additional time for component R&R to gain access, or repair time greater than 0.4 hours, must be submitted as Other Labor Hours and requires appropriate authorization. DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis. HTR, HVR, HXR ONLY		-	-	-	-	-	-	0-3
Brake System/Traction Control - Replace	N2815	-	-	-	-	-	0-4	0-4
Charging/Starting/Battery - Replace	N2817	0.4	0.4	0.4	0.4	0.4	0-4	0-4
POLICY: E Ignition System - Replace	N2819	0.4	0.4	0.4	0.4	0.4	-	0-4
Relay - Fuel System - Replace	N2821	0.4	0.4	0.4	0.4	0.4	0-4	0-4
POLICY: E Powertrain System - Replace	N2827	0.4	0.4	0.4	0.4	0.4	-	0-4
POLICY: E Engine Wiring - Replace	N2829	0.4	0.4	0.4	0.4	0.4	0-4	0-4
Exterior Lighting - Replace	N2833	0.4	0.4	0.4	0.4	0.4	0-4	0-4
Interior/Rear Compartment Lighting - Replace	N2843	0.4	0.4	0.4	0.4	0.4	0-4	0-4
Cruise Control - Replace	N2857	0.4	0.4	0.4	0.4	0.4	0-4	0-4
Power & Grounds Distribution - Replace	N2859	0.4	0.4	0.4	0.4	0.4	0-4	0-4
Occupant Information Systems - Replace	N2861	-	-	-	-	-	0-4	0-4
Occupant Safety - Replace	N2867	-	-	-	-	-	0-4	0-4
Theft Deterrent - Replace	N2869	-	-	-	-	-	-	0-4
Steering/Suspension/Ride Control - Replace	N2871	-	-	-	-	-	-	-
Transmission/Transfer Case/Trans-Axle/Front & Rear Axle	N2873	0.4	0.4	0.4	0.4	0.4	0-4	0-4
Vehicle Entertainment - Replace	N2875	-	-	-	-	-	0-4	0-4
Window System - Replace	N2877	0.4	0.4	0.4	0.4	0.4	0-4	0-4
Entry Control Systems - Replace	N2879	0.4	0.4	0.4	0.4	0.4	0-4	0-4
Wiper/Washer System - Replace	N2891	0.4	0.4	0.4	0.4	0.4	0-4	0-4
Horn - Replace	N2893	0.4	0.4	0.4	0.4	0.4	0-4	0-4
HVAC System - Replace	N2897	0.4	0.4	0.4	0.4	0.4	0-4	0-4
Mirror System - Replace	N2899	0.4	0.4	0.4	0.4	0.4	0-4	0-4
Seat System - Replace	N2909	-	-	-	-	-	0-4	0-4
Identification Lamp - Replace	N2911	0.4	0.4	0.4	0.4	-	-	-
A/C Condenser Fan - Replace	N2912	0.2	0.2	0.2	0.2	-	-	-
Glow 1 - Replace	N2913	0.4	0.4	0.4	0.4	-	-	-
Ceramic Heater - Replace	N2915	0.4	0.4	0.4	0.4	-	-	-
Engine Warming Cut - Replace	N2916	0.4	0.4	0.4	0.4	-	-	-
Engine Warming Cut 2 - Replace	N2917	0.4	0.4	0.4	0.4	-	-	-
Exhaust Brake Control - Replace	N2918	0.4	0.4	0.4	0.4	-	-	-

N8

ELECTRICAL

OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
ACTUATOR ASSEMBLY - DOOR LOCK - REPLACE								
RIGHT FRONT 2007 + New Cab	N3214	- 0.8	0.6 0.8	- 0.8	- 0.8	0.4 -	- -	0.8 -
LEFT FRONT	N3215	-	0.6	-	-	0.4	-	0.8
RIGHT REAR 2007 + New Cab	N3224	- 0.8	0.6 0.8	- 0.8	- 0.8	0.3 -	- -	0.5 -
LEFT REAR	N3225	-	0.6	-	-	0.3	-	0.5
DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.		-	0-3	-	-	0-3	-	0-3
MOTOR, POWER WINDOW FRONT - REPLACE								
2007 + New Cab								
RIGHT	N3310	0.7	0.7	0.7	0.7	-	-	-
LEFT	N3311	0.7	0.7	0.7	0.7	-	-	-
MOTOR - DOOR WINDOW - REPACE								
RIGHT FRONT	N3314	-	0.7	-	-	-	-	0.5
LEFT FRONT	N3315	-	0.7	-	-	-	-	0.5
RIGHT REAR	N3324	-	0.7	-	-	-	-	0.5
LEFT REAR	N3325	-	0.7	-	-	-	-	0.5
DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.		-	0-3	-	-	-	-	0-3
MOTOR, WIPER - WINDSHIELD - REPLACE	N3520	0.5	0.5	0.5	0.5	1.1	1.1	0.7
DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.		0-3	0-3	0-3	0-3	0-3	0-3	0-3
MOTOR WIPER - REPLACE (WINDSHIELD RIGHT)								
2007 + New Cab	N3550	0.3	0.3	0.3	0.3	-	-	-
MODULE, PULSE WIPER CONTROL - REPLACE	N3570	-	-	-	-	-	-	0.7
DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.		-	-	-	-	-	-	0-3
Cover And/Or Circuit Board, Windshield Wiper Motor -	N3580	-	0.5	-	-	-	-	-
DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.		-	0-3	-	-	-	-	-
ARM WIPER - REPLACE (WINDSHIELD) ONE OR BOTH								
2007 + New Cab	N3620	0.2	0.2	0.2	0.2	-	-	-
LINK WINDSHIELD WIPER OPERATING - REPLACE								
2007 + New Cab	N3630	0.2	0.2	0.2	0.2	-	-	-
2007 + New Cab	N3631	0.2	0.2	0.2	0.2	-	-	-
2007 + New Cab	N3637	0.2	0.2	0.2	0.2	-	-	-
TRANSMISSION ASSEMBLY , WIPER - REPLACE								
2007 + New Cab	N3640	0.3	0.3	0.3	0.3	-	-	-
2007 + New Cab	N3641	0.3	0.3	0.3	0.3	-	-	-
2007 + New Cab	N3647	0.4	0.4	0.4	0.4	-	-	-
CONTAINER AND CAP, WASHER FLUID - REPLACE	N3750	0.3	0.3	0.3	0.3	-	-	-

N9

ELECTRICAL

OPERATION DESCRIPTION	OPERATION	NPR	N/W	NQR	NRR	FRR	FTR	HTR
	NUMBER	W3/W4	CREW	W4/W5	W5500HD	WT5500	FVR FXR	HVR HXR
PUMP ASSEMBLY, WASHER - WINDSHIELD - R&R OR 2007 + New Cab DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N3860	- 0.3	0.6 0.3	- 0.3	- 0.3	- -	- -	- -
ELEMENT AND/OR KNOB, CIGARETTE LIGHTER - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4000	0.2 -	0.2 -	0.2 -	0.2 -	0.2 -	0.2 -	0.2 0-3
LIGHTER ASSEMBLY, CIGARETTE - REPLACE 2007 + New Cab DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4010	0.2 0.4	0.2 0.4	0.2 0.4	0.2 0.4	0.2 -	0.2 -	0.2 0-3
LENS, INSTRUMENT CLUSTER - REPLACE	N4115	-	-	-	-	0.6	0.6	0.7
BEZEL, INSTRUMENT CLUSTER - REPLACE 2007 + New Cab	N4120	0.4 0.3	0.4 0.3	0.4 0.3	0.4 0.3	0.6 -	0.2 -	0.9 -
CLUSTER ASSEMBLY, INSTRUMENT PANEL - R&R OR POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4180	0.4 0-3	0.4 0-3	0.4 0-3	0.4 0-3	-	3 0-3	1.3 0-3
TELLTALE ASSEMBLY, (INSTRUMENT PANEL CLUSTER) - R&R OR REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4198	- -	- -	- -	- -	- -	- -	2.1 0-3
INSTRUMENT PANEL CLUSTER REPROGRAMMING WITH SPS DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4199	-	-	-	-	-	-	0.4 0-3
HUBODOMETER - REPLACE	N4230	-	-	-	-	-	-	0.2
HOURLY METER, ENGINE - REPLACE	N4240	-	-	-	-	-	0.5	0.5
HEAD, SPEEDOMETER - R&R DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4300	0.9 0-3	0.9 0-3	0.9 0-3	0.9 0-3	0.6 -	0.5 0-3	0.6 -
HEAD, SPEEDOMETER - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4310	0.9 0-3	0.9 0-3	0.9 0-3	0.9 0-3	0.6 -	0.5 0-3	- -
ADAPTER, SPEEDOMETER RATIO - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4370	- -	- -	- -	- -	- -	2.7 0-3	- -
CABLE, SPEEDOMETER - R&R OR REPLACE	N4399	0.8	0.8	0.8	0.8	0.7	-	-

N10

ELECTRICAL								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
METER COMPLETE ASSEMBLY - REPLACE 2007 + New Cab	N4400	0.3	0.3	0.3	0.3	-	-	-
CABLE AND CASE ASSEMBLY, SPEEDOMETER-REPLACE	N4429	0.8	0.8	0.8	0.8	0.6	-	-
TACHOMETER - R&R DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4500	0.9 0-3	0.9 0-3	0.9 0-3	0.9 0-3	0.6 0-3	0.6 0-3	- -
TACHOMETER - REPLACE ELECTRIC DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4510	0.9 0-3	0.9 0-3	0.9 0-3	0.9 0-3	0.6 0-3	0.6 0-3	- -
ADAPTER, TACHOMETER MECHANICAL - REPLACE	N4530	-	-	-	-	0.2	-	-
CABLE, TACHOMETER - REPLACE	N4540	-	-	-	-	0.8	-	-
GAUGE - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4610	- -	- -	- -	- -	0.5 -	0.5 0-3	0.6 0-3
GAGE - AUTOMATIC TRANSMISSION TEMPERATURE - DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4625	-	-	-	-	-	1 0-3	0.7 0-3
ENGINE COOLANT TEMPERATURE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4640	0.6 0-3	0.6 0-3	0.6 0-3	0.6 0-3	0.5 0-3	0.5 0-3	- -
GAGE - FUEL (DASH UNIT) - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4680	0.3 0-3	-	0.3 0-3	0.6 0-3	0.5 0-3	0.5 0-3	- -
GAGE - VOLTMETER - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4760	- -	- -	- -	- -	0.5 0-3	0.5 0-3	- -
GAGE - CLUSTER - RIGHT - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4770	- -	- -	- -	- -	- -	- -	0.8 0-3
GAGE - CLUSTER - LEFT - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4775	- -	- -	- -	- -	- -	- -	1 0-3
MODULE, COMPUTER (CONTROL) BODY - REPLACE DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N4800	- -	- -	- -	- -	- -	- -	1 0-3
PROBE ASSEMBLY, LOW COOLANT - REPLACE POLICY: E DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N5040	0.3 0-3	0.3 0-3	0.3 0-3	0.3 0-3	- -	- -	1.7 0-3

N11

ELECTRICAL

OPERATION DESCRIPTION	OPERATION	NPR	N/W	NQR	NRR	FRR	FTR	HTR
	NUMBER	W3/W4	CREW	W4/W5	W5500HD	WT5500	FVR FXR	HVR HXR
CIRCUIT, PRINTED - R&R OR REPLACE ADD: A - To Repair	N5140	0.9	0.9	0.9	0.9	0.8	0.8	-
		0.1	0.1	0.1	0.1	0.1	0.1	-
SENSOR, ROUGH ROAD - REPLACE RIGHT LEFT DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on actual time performing diagnosis.	N5710 N5711	0.3	0.3	0.3	0.3	-	-	-
		0-3	0-3	0-3	0-3	-	-	-
WIRING AND/OR CONNECTOR - REPAIR OR REPLACE Note: Any additional time for component R&R to gain access, or repair time greater than 0.5 hours, must be submitted as Other Labor Hours and requires appropriate Includes: Diagnosis time.								
CAB MAIN	N6070	0.5	0.5	0.5	0.5	0.5	-	-
CHASIS FRONT	N6112	0.5	0.5	0.5	0.5	0.5	-	-
CHASIS REAR	N6113	0.5	0.5	0.5	0.5	0.5	-	-
BRAKE SYSTEM/TRACTION CONTROLS	N6600	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
CHARGING/STARTING/BATTERY	N6602	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
POLICY: E IGNITION SYSTEM	N6604	0.5	0.5	0.5	0.5	0.5	-	.1-5
POLICY: E FUEL SYSTEM	N6606	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
POLICY: E EMISSIONS SYTEM	N6608	0.5	0.5	0.5	0.5	0.5	-	.1-5
EXYTERIOR LIGHTING	N6612	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
INTERIOR/REAR COMPARTMENT LIGHTING	N6614	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
SERIAL DATA/DLC/STAR CONNECTOR	N6616	0.5	0.5	0.5	0.5	0.5	-	-
CRUISE CONTROL	N6618	0.5	0.5	0.5	0.5	0.5	-	-
POWER & GROUNDS DISTRIBUTION	N6620	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
OCCUPANT INFORMATION SYSTEMS	N6622	0.5	0.5	0.5	0.5	0.5	-	-
OCCUPANT SAFETY	N6624	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
STEERING/SUSPENSION/RIDE CONTROL	N6628	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
TRANSAXLE/FRONT AND REAR AXLE CONTROL	N6630	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
VEHICLE ENTERTAINMENT	N6632	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
WINDOW SYSTEM	N6634	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
ENTRY CONTROL SYSTEMS	N6636	0.5	0.5	0.5	0.5	0.5	-	-
WIPER/WASHER SYSTEM	N6638	0.5	0.5	0.5	0.5	0.5	-	.1-5
HORN	N6640	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
HVAC SYSTEM	N6642	0.5	0.5	0.5	0.5	0.5	.1-5	-
MIRROR SYSTEM	N6644	0.5	0.5	0.5	0.5	0.5	.1-5	.1-5
SEAT SYSTEM	N6648	0.5	0.5	0.5	0.5	0.5	-	-
HARNES, WIRING - REPLACE ENGINE	N6970	3	3	3	3	3	.1-3	.1-3
HARNES, WIRING DOOR - REPLACE 2007 + New Cab RIGHT	N7066	1	1	1	1	-	-	-
LEFT	N7067	0.9	0.9	0.9	0.9	-	-	-
CUSTOMER CONCERN NOT DUPLICATED	N9995	0.3	0.3	0.3	0.3	0.3	.1-3	.1-3

R1

ACCESSORIES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
STANDING WAVE RATIO (SWR) - ADJUST	R0123	0.4	0.4	0.4	0.4	0.4	0.4	-
ANTENNA COMPONENTS - REPLACE								
MAST 2007 + New Cab	R0220	0.3 0.2	0.3 0.2	0.3 0.2	0.3 0.2	0.2 -	0.2 -	0.3 -
'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.		0-3	0-3	0-3	0-3	0-3	0-3	0-3
BASE, STANDARD ANTENNA - REPLACE	R0240	-	-	-	-	-	0.3	0.3
'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.		-	-	-	-	-	0-3	0-3
RADIO LEAD-IN	R0260	-	-	-	-	0.4	0.4	0.4
'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.		-	-	-	-	0-3	0-3	0-3
MODULE, ENGINE PROTECTION SYSTEM	R9500	0.3	0.3	0.3	0.3	-	-	-
SWITCH, ENGINE PROTECTION SYSTEM COOLANT LEVEL	R9504	0.3	0.3	0.3	0.3	-	-	-
SWITCH, ENGINE PROTECTION SYSTEM OIL PRESSURE	R9505	0.3	0.3	0.3	0.3	-	-	-
SENSOR, ENGINE PROTECTION SYSTEM COOLANT TEMP	R9508	0.3	0.3	0.3	0.3	-	-	-
HARNESS, ENGINE PROTECTION SYSTEM	R9510	0.8	0.8	0.8	0.8	-	-	-
MODULE, CRUISE CONTROL	R9512	0.5	0.5	0.5	0.5	-	-	-
HARNESS, CRUISE CONTROL	R9514	0.5	0.5	0.5	0.5	-	-	-
SWITCH, CRUISE CONTROL	R9516	0.5	0.5	0.5	0.5	-	-	-
CABLE, CRUISE CONTROL	R9518	0.5	0.5	0.5	0.5	-	-	-
MANIFOLD, AUXILLARY FUEL TANK	R9521	1	1	1	1	-	-	-
VALVE, AUXILLARY FUEL TANK	R9523	0.5	0.5	0.5	0.5	-	-	-
TANK, AUXILLARY FUEL	R9525	0.8	0.8	0.8	0.8	-	-	-
BRACKET, AUXILLARY FUEL TANK	R9527	1	1	1	1	-	-	-
METER, ENGINE RUN HOUR	R9529	0.3	0.3	0.3	0.3	-	-	-
RADIO RECEIVER - REPLACE	R0760							
POLICY: A								
DASH MOUNTED		0.6	0.6	0.6	0.6	0.9	0.9	0.9
ROOF MOUNTED		-	-	-	-	0.4	0.4	0.4
'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.		0-3	0-3	0-3	0-3	0-3	0-3	0-3
ADD: To setup and re-program radio		0.3	0.3	0.3	0.3	0.3	0.3	0.3
RECEIVER, RADIO - ORDER OR REMOVE								
Note: This operation is only to be used when the failed component is identified and an exchange unit is ordered on . the first service visit	R0762	0.3	0.3	0.3	0.3	0.4	0.9	0.6
'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.		0-3	0-3	0-3	0-3	0-3	0-3	0-3

R2

ACCESSORIES								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
RECEIVER, RADIO - INSTALL	R0763	0.3	0.3	0.3	0.3	0.4	0.6	0.4
SPEAKER, RADIO - REPLACE								
RIGHT	R0940	-	-	-	-	-	-	0.5
2007 + New Cab		0.4	0.4	0.4	0.4	-	-	-
SIDE OF DOOR		-	-	-	-	-	0.2	-
IN DOOR		0.3	0.3	0.3	0.3	-	0.4	-
LEFT	R0941							
2007 + New Cab		0.4	0.4	0.4	0.4	-	-	-
IN DOOR		0.3	0.3	0.3	0.3	0.4	0.4	0.4
SIDE OF CAB		-	-	-	-	0.3	0.3	0.3
SIDE OF DOOR		-	-	-	-	-	0.2	-
'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.		0-.3		0-.3	0-.3	0-.3	0-.3	0-.3
SPEAKER, RADION - REAR DOOR - REPLCE								
RIGHT	R0550	-	-	-	-	-	-	0.7
LEFT	R0951	-	-	-	-	-	-	0.7
'DIAGNOSIS TIME: You may claim 0.0 to 0.3 hours depending on time performing diagnosis.		-	-	-	-	-	-	0-.3

S1

CORROSION PERFORATION REPAIRS								
OPERATION DESCRIPTION	OPERATION NUMBER	NPR W3/W4	N/W CREW	NQR W4/W5	NRR W5500HD	FRR WT5500	FTR FVR FXR	HTR HVR HXR
THE FOLLOWING OPERATIONS SHOULD BE USED TO IDENTIFY REPAIRS ON RUST THROUGH PERFORMANCE DAMAGE. THE TIME ALLOWANCES SHOWN INCLUDE ALLMETAL AND PAINT WORK NECESSARY TO COMPLETE THE REPAIR.								
PANEL, GRILLE HEADER AND/OR FRONT END POLICY: A	S5030	1.5	1.5	1.5	1.5	1.5	1.5	-
RADIATOR SUPPORT AND/OR TIE BAR POLICY: A	S5050	1.5	1.5	1.5	1.5	1.5	1.5	1.5
PANEL, MOTOR COMPARTMENT SIDE AND WHEEL HOUSE INCLUDING STRUT TOWER POLICY: A	S5110	1.5	1.5	1.5	1.5	1.5	1.5	-
LEFT	S5111	1.5	1.5	1.5	1.5	1.5	1.5	-
PILLAR, WINDSHIELD POLICY: A	S5150	1.5	1.5	1.5	1.5	1.5	1.5	1.5
LEFT	S5151	1.5	1.5	1.5	1.5	1.5	1.5	1.5
PANEL, ROOF POLICY: A	S5170	1.5	1.5	1.5	1.5	1.5	1.5	1.5
PANEL, ROCKER - CORROSION PERFORMANCE REPAIR POLICY: A	S5210	-	-	-	-	-	1.5	1.5
LEFT	S5211	-	-	-	-	-	1.5	1.5
PAN, FLOOR - CORROSION PERFORATION REPAIR POLICY: A	S5230	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DOOR - FRONT - CORROSION PERFORATION REPAIR POLICY: A	S5250	1.5	1.5	1.5	1.5	1.5	1.5	1.5
LEFT	S5251							
DOOR - REAR - CORROSION PERFORATION REPAIR POLICY: A	S5252	-	1.5	-	-	-	1.5	1.5
LEFT	S5253	-	1.5	-	-	-	1.5	1.5
PANEL, CAB REAR POLICY: A	S5310	1.5	1.5	1.5	1.5	1.5	1.5	1.5