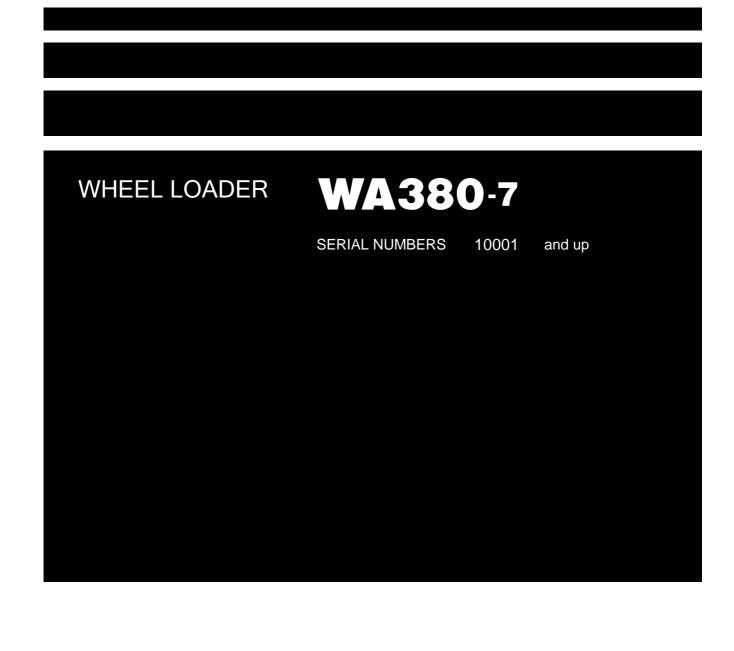
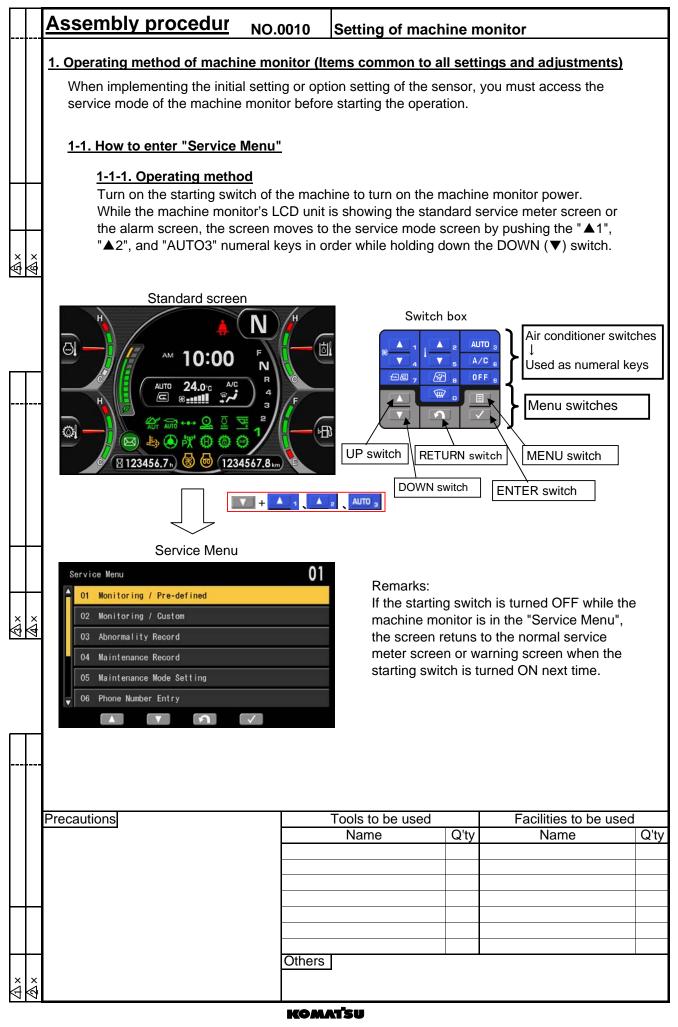
# **Field Assembly Instruction**

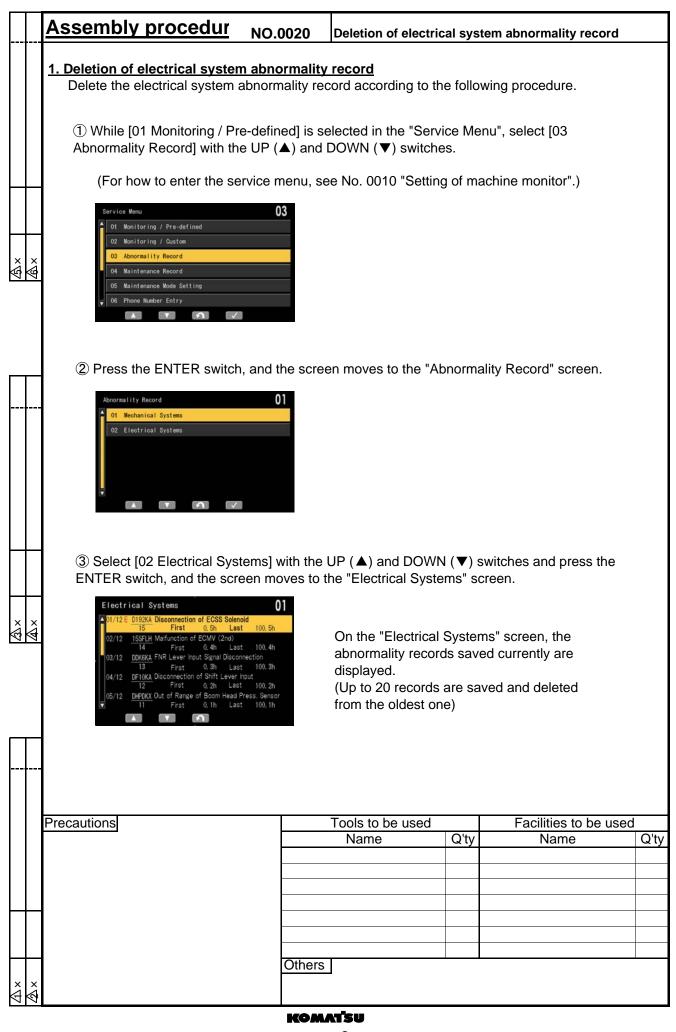




# CONTENTS

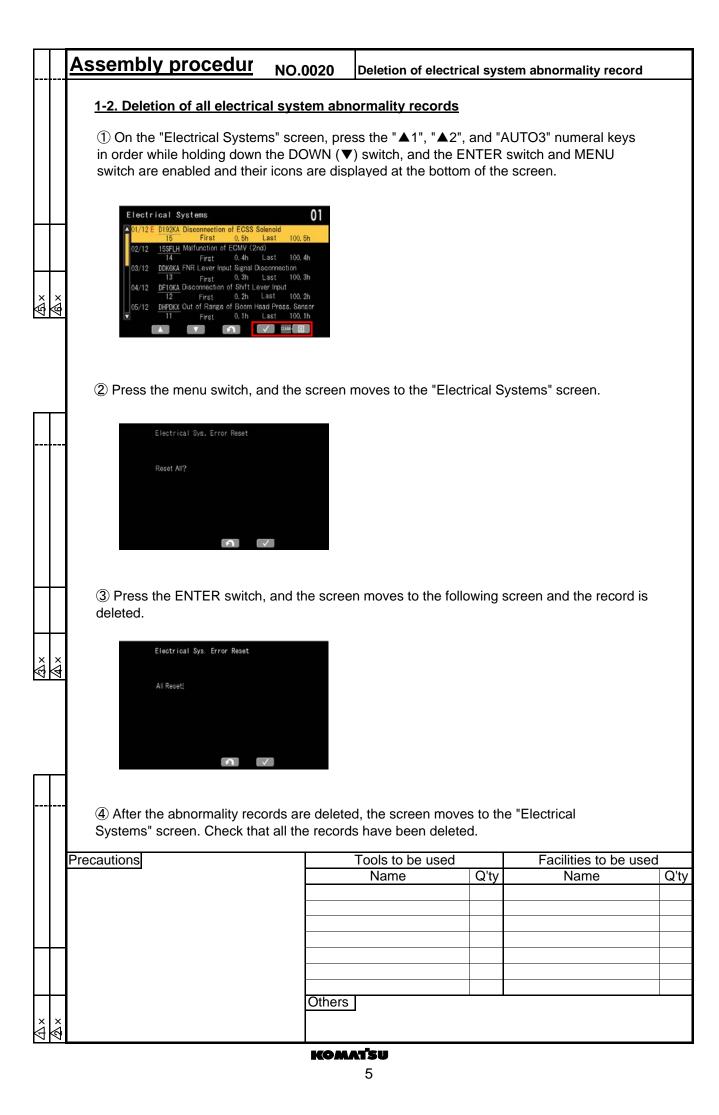
0010	Setting of machine monitor	1
0020	Deletion of electrical system abnormality record (1/4) to (4/4)	2
0030	Selection of options (1/5) to (5/5)	6
0040	Adjustment of work equipment controller boom angle (1/4) to (4/4)	11
0050	Adjustment of work equipment pump (1/3) to (3/3)	15
0060	Adjustment of work equipment EPC lever detent position (1/5) to (5/5)	18
0070	Adjustment of work equipment EPC starting current (1/6) to (6/6)	23
0080	Adjustment of bucket positioner (1/4) to (4/4)	29
0090	Adjustment of rear view monitor guide line position (1/9) to (9/9)	33





Asse	embly procedur	NO.0020	Deletion of electr	ical syste	em abnormality record	
ele	No Error" is displayed on ctrical system abnormalit ectrical Systems No Error					
1         01/         01/         (1)         (2)         ×         (3)         (4)         (5)         (6)	emarks: How to read above 2 3 4 12 E D192KA Disconnection of 15 First 10 findicates the chronologic Indicates if the abnormal Indicates E if the abnormal Indicates the unified failur Indicates the unified failur Indicates the failure code Indicates the service me Indicates the service me	of ECSS Solenois 0.5h Last 6 cal order of the lity is currently mality is occurr abnormality is ure code (6 dig cal occurrences of ter reading wh	t 100. 5h 100. 5h 7 a abnormality c occurring ring currently not concurrently cu gits) f the abnormality hen the abnormality	occurred		
Precaut	tions		Tools to be used Name	Q'ty	Facilities to be used Name	Q'ty
∆× ∕∆×		Others				1

	ssembly procedur	NO.0020	Deletion of electr	ical system	n abnormality record	4
				-		a
	1-1. Deletion of one electri ① On the "Electrical Syster in order while holding down switch are enabled and the	ns" screen, pro	ess the "▲1", "▲2 ✔) switch, and the	", and "AU ENTER sv	vitch and MENU	
Δ× ▲×	05/12 DHPDKX Out of Range of Boom Head	st 100.5h st 100.4h innection st 100.3h input st 100.2h				
	<ul> <li>② Select an abnormality re</li> <li>(▼) switches and press the</li> <li>Error Reset" screen.</li> </ul>					
	Electrical Sys. Error Reset D192KA Disconnection of ECSS Solenoid Reset?					
	③ Press the ENTER switcl record is deleted.	n, and the scre	een moves to the fo	ollowing sc	reen and the	
A A X	Electrical Sys. Error Reset D192KA Disconnection of ECSS Solenoid Reset!					
	④ After the abnormality reast screen. Check that the sele			s to the "E	lectrical Systems"	
Pr	ecautions		Tools to be used		Facilities to be us	sed
			Name	Q'ty	Name	Q'ty
<b>     </b>						
		Others				
× ×						
V V			_			



	Assembly procedur	NO.0030	Selection of	options		
	1. Selection of options					
	Select options according	g to the following	ng procedure.			
	① While [01 Monitoring / Pr with the UP (▲) and DOWN			Service Men	u", select [07 Default	i]
	(For how to enter the se	ervice menu, se	e No. 0010 "Se	etting of mac	hine monitor".)	
× ×	Service Menu           O2         Monitoring / Custom           O3         Abnormality Record	0				
T	② Press the ENTER switch	, and the scree	en moves to the	"Default" so	reen.	
	Default 01 Machine Model Select 02 Option Select 03 Unit 04 Rear View Monitor Setting	0 waseo 				
×	③ Select [02 Option Select] switch, and the screen move				s and press the ENT	ER
	Option Select O1 Work Equipment Control O2 Multicoupler O3 Semi-auto Digging O4 Load Meter O5 Lift Arm Model O6 Auto Grease	O TYPE A NO ADD ADD NO ADD Standard NO ADD				
	Precautions		Tools to be use	ed	Facilities to be u	ised
			Name	Q'ty	Name	Q't
	1					
1	1	Others		I I		<u> </u>
		1				
× 1∢			ATSU			

	Assembly proce	dur <sub>NO.</sub>	0030	Selection of o	ptions				
	1-1. Option selecting	g function							
	-	arting switch	is turned	-		DN after changing the on the machine is turned	d		
	On the "Option So and determine it v		-		· · /	ld DOWN (▼) switches ler.			
	★ Optional components ins			-			_		
	Item name	Default	Remar			nh. E an iana ant O an tao IIII	_		
	Work Equipment Control					rk Equipment Control"	-		
××	Multicoupler	NO ADD			according	to installation state of			
× ₹			<ul> <li>If opti</li> </ul>	and destination on is installed and \ SPEC"	destination	n is inside Japan, set	_		
				on is installed and	destination	n is outside Japan, set	_		
				on is not installed,	set "NO A	DD"			
	Semi-auto Digging ADD Set "ADD" and do not change								
	Load Meter	NO ADD				only JPN specification)			
	Boom specification	Standard				to boom specification			
				D <mark>boom</mark> is installed					
	If high-lift boom (optional) is installed, select "High L								
	Auto Grease	NO ADD		If option is installed, select "ADD" (only EU specification)					
	Battery Electrolyte Level Sensor	NO ADD		Set "NO ADD" and do not change If displayed travel speed is not correct, adjust it with this					
	Tire Size Compensation	0%	functio	1					
	Tire Ture	A	If setting is increased 1%, travel speed increases 1% from 0%. When tire of type 23.5 is installed, select "B" (Do not select A which is for setting of tire of type 20.5)						
	Tire Type	^							
	Emergency Steering	ADD		n is not installed, s		<b>1</b>	-		
	J/S or FNR SWITCH	NON	When		NR (forwar	rd-reverse) switch is			
	Lift Up Mode	ADD		DD" and do not cha					
	E.C.S.S.	ADD		DD" and do not cha					
× ₹	Torque Converter Lockup	NO ADD	Set "Al	DD" and do not cha	ange				
3 4	4th Gear Prohibition	NO ADD		D ADD" and do no					
	Two Stage Low Idle	NO ADD		n following setting and destination	according	to installation state of			
			"HEAT	ER"		n is inside Japan, set			
			"KOHA	G"		n is outside Japan, set			
				on is not installed,		DD"	4		
	F1 PWR CUT	ADD		DD" and do not cha			_		
	Komatsu SmartLoader Logic	ADD	Set "Al	DD" and do not cha	ange				
	Precautions		-	ools to be used	<u> </u>	Facilities to be use	d		
			<u> </u>	Name	Q'ty	Name	Q'		
			<b> </b>			Hamo	×		
$\downarrow \downarrow$			Others						
			Ouleis						
			1						

	Assembly procedur NO.	0030	Selecti	on of opt	ions		
	1-2. Change or setting of "Work I	Equipme	ent Cont	rol"			
	<ol> <li>On the "Option Select" screen, DOWN (▼) switches.</li> <li>Press the ENTER switch, and the screen.</li> </ol>					ζ, γ	
备× 备×		√					
	② Select related specification from switches and enter it with the ENT			with the UF	P (▲)	and DOWN (▼)	
	③ After setting is completed, the s	creen re	turns to	the "Optior	n Sele	ct" screen automatically.	
	<ul> <li>TYPE A Main valve type: 2-spool valve Lever type: 2 lever</li> <li>TYPE B Main valve type: 2-spool valve Lever type: MF lever</li> <li>TYPE C Main valve type: 3-spool valve Lever type: 3 lever</li> <li>TYPE D Main valve type: 3-spool valve Lever type: MF lever and PCS</li> <li>TYPE E Main valve type: 4-spool valve Lever type: Mono lever and 2 leve</li> <li>TYPE F Main valve type: 4-spool valve Lever type: Mono lever and Mono</li> <li>TYPE G Main valve type: 4-spool valve Lever type: MF lever, PCS and 1</li> </ul>	lever			nding of t Cont to Dig eter		
	Precautions		Tools to Name	be used	Q'ty	Facilities to be used Name	d Q'ty
$ \uparrow  $							
xx		Others					
$\forall \P$		KOM					

## Assembly procedur NO.0030 Selection of options 1-3. Setting of "Tire Size Compensation" ① On the "Option Select" screen, select "08 Tire Size Compensation" with the UP (▲) and DOWN ( $\mathbf{\nabla}$ ) switches. Press the ENTER switch, and the screen moves to the "Tire Size Compensation" screen. 08 Option Select 03 Tire Size Compensation 04 05 0 06 × \$ 08 5 $\checkmark$ (2) The set value is increased 1% with the UP ( $\blacktriangle$ ) switch and decreased 1% with the DOWN (▼) switch. Enter the setting with the Enter switch ③ After setting is completed, the screen returns to the "Option Select" screen automatically. 1-4. Selection of setting/no-setting of options (1) Change each item which is applicable to setting/no-setting selection in the "Optional component installation setting table" by the following setting. \* When each option is not selected, "NO ADD" is displayed. If the option is selected, "ADD" is displayed. (2) "NO ADD" and "ADD" can be selected with the UP (▲) and DOWN (▼) switches and entered with the ENTER switch. × × Option Select 02 Multicoupler 02 NO ADD ADD 04 06 5 ~ Precautions Tools to be used Facilities to be used Name Q'ty Name Q'ty Others ଶ KOMATSU

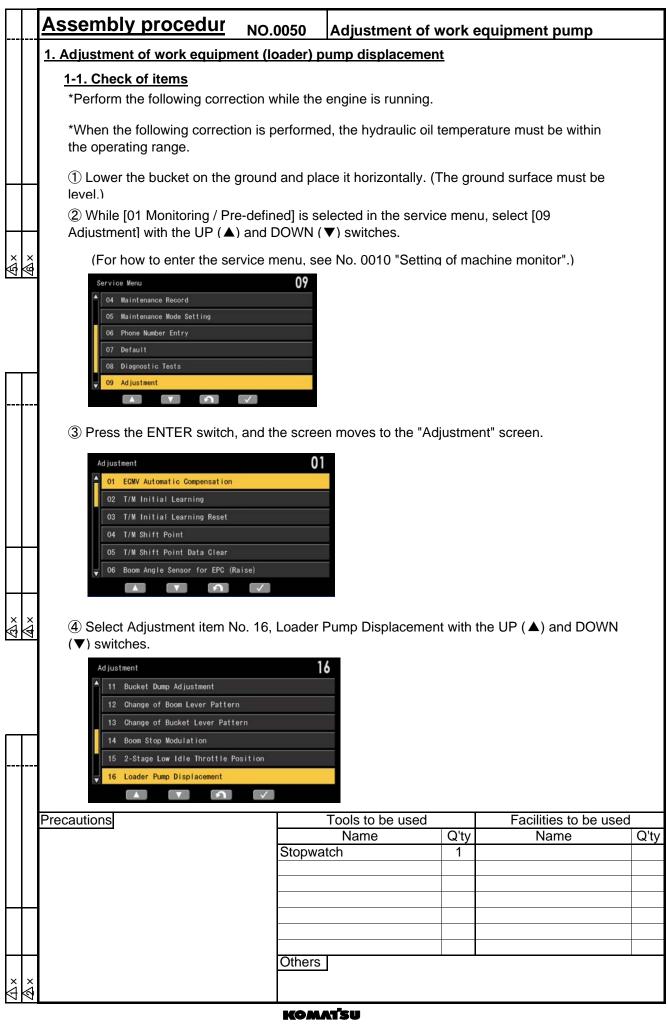
	Assembly procedur NO.0	0030	Selection of opt	ions					
	<b><u>1-5. Saving of selection of option</u></b> ① After setting each item, turn OFI and the following screen appears.		tion setting screen v	vith the	RETURN switch,				
备× 4	Option Select Options are set. Please I Settings will be valid after		l.						
	<ul> <li>② Turn the starting switch to the OFF position to stop the operation of the controller completely.</li> <li>*If any option was selected, be sure to turn the starting switch to the OFF position and wait for about 15 seconds, and then turn the starting switch to the ON position again.</li> <li>③ When the starting switch is turned to the ON position, the set option selection is enabled.</li> </ul>								
∆× A×	Remarks: After ②, if the starting switch is turn error warning alert is displayed. If an error warning alert is displayed for at least 15 seconds, and then tu turned OFF.	l, turn th	e starting switch to	the OF	F position again, wait				
	Precautions		Tools to be used Name	Q'ty	Facilities to be used Name	Q'ty			
∆× ∆×		Others							

	Assembly procedur NO	.0040	Adjustment of wor angle	k equi	pment controller boom					
<b>├</b> ┼		.0040	angle							
	<b><u>1. Adjustment of boom angle</u></b> Adjust the work equipment contro	oller boom	angle according to	the fo	llowing procedure.					
	While [01 Monitoring / Pre-defined] is selected in the "Service Menu", select [09 Adjustment] with the UP ( $\blacktriangle$ ) and DOWN ( $\triangledown$ ) switches.									
	(For how to enter the service menu, see No. 0010 "Setting of machine monitor".)									
\$X \$A	Service Menu O4 Maintenance Record O5 Maintenance Mode Setting O6 Phone Number Entry O7 Default O8 Diagnostic Tests O9 Adjustment	09								
	Press the ENTER switch, and the	e screen r	noves to the "Adjust	tment"	screen.					
	Adjustment 06 Boom Angle Sensor for EPC (Raise) 07 Boom Angle Sensor for EPC (Lower) 08 Boom Raise Adjustment 09 Boom Lower Adjustment 10 Bucket Tilt Adjustment 11 Bucket Dump Adjustment	06								
	1-1. Adjustment of Boom angle	(RAISE)								
	① Select [06 Boom Angle Senso	r for EPC	(Raise)] with the U	P (▲)	and DOWN (▼)					
	switches and press the ENTER s (Raise)" adjustment screen.									
 ₩	Boom Angle Sensor for EPC (Raise)									
	_									
	Precautions		Tools to be used Name	Q'ty	Facilities to be used Name	Q'ty				
			numo	ις Υ	name	ις Υ				
	1	Others	J	<u>                                      </u>		<u> </u>				
× ×										
		KOM	ATSU							

Π		Assembly proce	dur	NO.0040	Adjustment angle	of work equi	pment controller boom	
		② Raise the boom to switch. ③ When the display		oper limit (cy	linder stroke e	-	press the ENTER	
		④ Press the ENTER If the RETURN swite calibration process.			•		inished even in the	
<u>ه</u> ×	<u>ه</u> ×	Boom Angle Sensor fo 0 0: Waiting 1: OK 2: NG	SET SET	Raise) N ; Set				
<b></b>		⑤ If the display chan adjustment is not pe Boom Angle Sensor fo	rformed	l	m angle voltag	le is out of sp	ecification and	
		0 0: Waiting 1: OK 2: NG		; Set				
<u>م</u> ×	∕∆×	<ul> <li>6 If adjustment is no</li> <li>7 Adjust the boom a monitoring is in the f</li> </ul>	angle se	ensor installa	ation position s	o that the vol	tage displayed by	
		Boom specification STD Hi Lift	Boom ( Highes	t 3	/oltage range 3.77 ± 0.3 V 3.90 ± 0.3 V			
				·				
		Precautions			Tools to be Name	used Q'ty	Facilities to be us Name	Sed Q'ty
<u>م</u> ×	۵×			Othe	rs			

	Assembly procedur NO	.0040	Adjustment of wor angle	k equi	pment controller boom	
	1-2. Adjustment of boom angle         ① Select [07 Boom Angle Sensor switches and press the ENTER switches and press the ENTER switches]         (Lower)" adjustment screen.         Boom Angle Sensor for EPC         0       SET	(LOWER for EPC witch, and	) (Lower)] with the UI			
备× 不	0: Waiting SET; So 1: OK 2: NG 2: NG 2: Lower the boom to the lower line		er stroke end) and	then p	ress the ENTER switch.	
<u></u>	③ When the display changes to "	1", adjusti	ment is completed.			
	④ Press the ENTER switch to fini during adjustment, adjustment is f		-		-	
	Boom Angle Sensor for EPC (Januar) 1 0: Waiting 1: OK 2: NG					
\$ ∳×	⑤ If the display changes to "2", th adjustment is not performed.	ne boom a	angle voltage is out	of spe	cification and	
	Boom Angle Sensor for EPC					
	1					
	Precautions		Tools to be used		Facilities to be used	
			Name	Q'ty	Name	Q'ty
$   _{-}$	4	Others				
XX			1			
	L	KOM	TSU			

<ul> <li>⑥ If adjustment is not performed, check the boom angle sensor by "monitoring".</li> <li>⑦ Adjust the boom angle sensor installation position so that the voltage displayed by monitoring is in the following range, and then adjust the angle sensor again.</li> </ul>	
Boom specificationBoom positionVoltage rangeSTD Hi LiftLowest $1.37 \pm 0.3 V$	
specificationBoom positionVoltage rangeSTDLowest $1.37 \pm 0.3 V$ Hi Lift $1.53 \pm 0.3 V$	
★ × ★	
Precautions Tools to be used Facilities to be used	014
Name     Q'ty     Name	Q'ty
Others	
× × ⊴⊴ Komatsu	

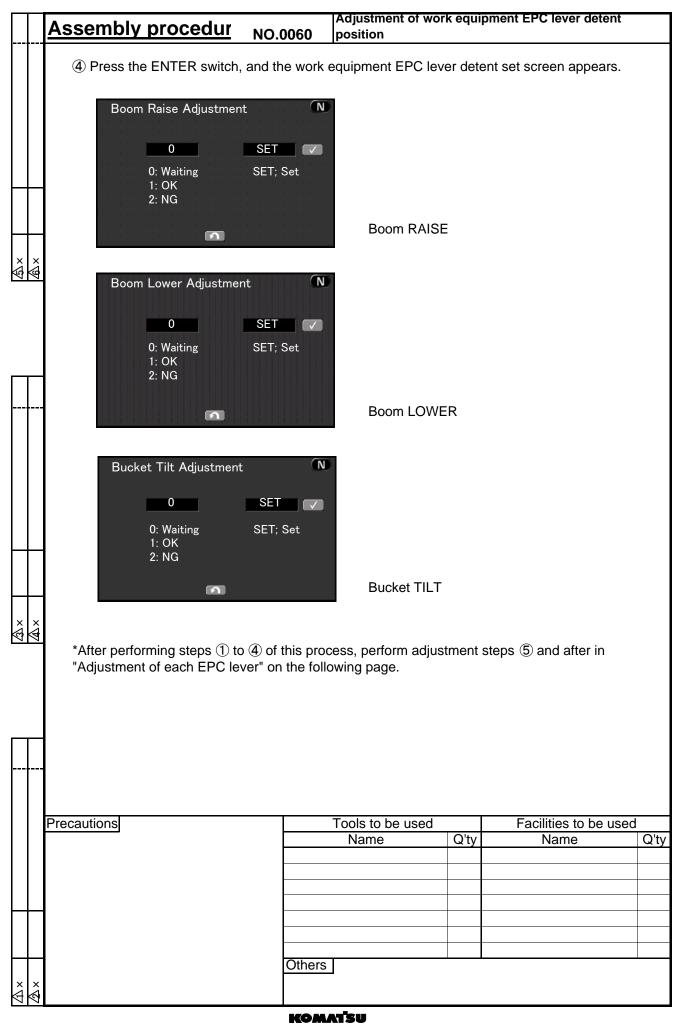


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Assembly procedur N	IO.0050	Adjustment of v	vorke	equipment pump	
⑤ Press the ENTER switch, an	d the scree	en for adjusting the l	oader	pump displacement	
Loader Pump Displacement	N				
01002 Engine Speed 04401 Hydr. Oil Temperature	0 r/min 0 *C	-			
94700 Loader Pump Pressure	0.00 MPa	=			
	HOLD				
× × G Select "C" with the UP (▲) a	and DOWN	(▼) switches.			
* Do not adjust A or B.		. ,			
If you input a value by mista	ake, return	it to "0".			
Loader Pump Displacement 01002 Engine Speed	N 0 r/min				
04401 Hydr. Oil Temperature 94700 Loader Pump Pressure	0 *C 0.00 MPa	_			
Unit:mA Range:-500 to +500	0				
<b>A</b>	HOLD				
⑦While this screen is displayed the RAISE detent notch (do not		-		-	
to the maximum height, and me					
* Perform this adjustment w	vith the boo	m positioner OFF.			
× × * * The work equipment spee	ed is lower t	han usual during thi	s adiu	stment. Take care.	
(8) Input the following correction	n value acco	ording to the time m	easure	ed in "(7)".	
(For the inputting method, s	see (9) and	after)			
If the boom raising time is     If the boom raising time is		-		-	
If the boom raising time is				-	
Precautions		Tools to be used Name	Q'ty	Facilities to be used Name	d Q'ty
<b>├┼┤</b>	Others				
× W		-			
	ком	атен			

Assembly procedur	NO.0050	Adjustment of	work e	equipment pump	
9 Press a numeral key (any	of 0 to 9) to o	display the screen fo	or input	ting numerals.	
Loader Pump Displacement 01002 Encine Crosset 04401 H Numeric Pad Input 94700 L Unit: mA Range: -500 to 4					
	-	d press the ENTER	switch		
Image: General Weight of the second seco		sint			
Loader Pump Displacement 01002 Engine Speed 04401 Hydr. 0il Temperature 94700 Loader Pump Pressure C 0 Unit:mA Range:-500 to +	0 r/min 0 *C 0.00 MPa 65 500				
① Press the ENTER switch display of "C".	again and ch	eck that the input va	llue is c	lisplayed under the	
Loader Pump Displacement 01002 Engine Speed 04401 Hydr. Oil Temperature 94700 Loader Pump Pressure C	0 r/min 0 *C 0.00 MPa				
× ×					
While this screen is displating ground to the maximum heig					
Precautions		Tools to be used Name	Q'ty	Facilities to be use Name	d Q'ty
			se ty	Nume	Grig
┝┿┫					
					_
<b>├┼┤</b>	Others	3			
X X V					
	KOM	ATSU			

Assembly procedur	NO.0060	Adjustme position	ent of work	equi	pment EPC lever detent	
1. Adjustment of work equipment	nt EPC leve	r detent p	<u>osition</u>			
<u>1-1. Check of items</u> *Perform the following cor	rection with	the engine	stopped.			
① While [01 Monitoring / Pre-c Adjustment] with the UP (▲) a				e Mer	nu", select [09	
(For how to enter the servi		ee No. 001	0 "Setting	of ma	achine monitor".)	
Service Menu O4 Maintenance Record O5 Maintenance Mode Setting O6 Phone Number Entry O7 Default O8 Diagnostic Tests O9 Adjustment A	09					
2 Press the ENTER switch, ar	nd the scree	n moves to	the "Adju	Istmei	nt" screen.	
Adjustment 08 Boom Raise Adjustment 09 Boom Lower Adjustment 10 Bucket Tilt Adjustment 11 Bucket Dump Adjustment 12 Change of Boom Lever Pattern 13 Change of Bucket Lever Pattern	 ✓					
③ Select a work equipment EF with the UP (▲) and DOWN (	•		n adjustm	ent ite	ems No. 08 to No. 10	
Boom RAISE : No.08 Boom LOWER : No.09 Bucket TILT : No.10		* Respe indeper		is mus	st be set up	
08 Boom Raise Adjustment			Boom R	RAISE		
09 Boom Lower Adjustment			Boom L	OWE	R	
10 Bucket Tilt Adjustment			Bucket	TILT		
Precautions		Tools to b			Facilities to be used	
		Name		Q'ty	Name	Q'ty
X X	Others			_		
	KOM	ATSU				



	Assembly procedur NO.0	060	Adjustment of worl	k equip	oment EPC lever detent	
	<b>1-2. Adjustment of each EPC leve</b> *After performing steps ① to ④ of N detent position", perform the followi The screen displays the "Work equi	No. 0060 ng work	•			
	[Adjustment of boom RAISE deter *Perform the following correction with the following correction		-			
	5-1. Lower the boom to the ground	ł.				
××	6-1. Stop and hold the boom lever	just bef	ore the RAISE dete	ent pos	ition.	
	O-1. Press the ENTER switch, and changed and saved.	the leve	er voltage is read ar	nd the	standard value is	
	⑧-1. When the display changes to	"1", sett	ing is completed.			
	Boom Raise Adjustment   I  O: Waiting  1: OK  2: NG		•	-		
∆× ∆×	Boom Raise Adjustment 2 0: Waiting 1: OK 2: NG	N				
$\square$	1. Finish the adjustment mode w					
	If the RETURN switch is presse calibration process.	ed during	g adjustment, adjus	tment	is finished even in the	
	Precautions		Tools to be used		Facilities to be used	
			Name	Q'ty	Name	Q'ty
		Others				
× ×		2	J			
		KOM	<b>NTSU</b> 20			

		Assembly procedur NO	.0060	Adjustment of work position	c equi	pment EPC lever detent	
		[Adjustment of boom LOWER (F *Perform the following correction					
		5-2. Lower the boom to the grou	nd.				
		6-2. Stop and hold the boom leve	er just bef	ore the FLOAT dete	ent po	sition.	
		$\overline{\mathcal{O}}$ -2. Press the ENTER switch, ar changed and saved.	nd the leve	er voltage is read ar	nd the	standard value is	
		⑧-2. When the display changes to a standard stand Standard standard stand Standard standard stand Standard standard stand Standard standard stan	o "1", sett	ing is completed.			
	@×	Boom Lower Adjustment 1 0: Waiting 1: OK 2: NG					
		(9)-2. If the ENTER switch is press value (out of the design range), th		•	-		
∆×	∕∆×	Boom Lower Adjustment 2 0: Waiting 1: OK 2: NG					
		10-2. Finish the adjustment mode	with the F	RETURN switch.			
		If the RETURN switch is press calibration process.	sed during	adjustment, adjust	ment	is finished even in the	
		Precautions		Tools to be used		Facilities to be used	
				Name	Q'ty	Name	Q'ty
$\vdash$							
$\vdash$			Others				
×	×						
7	7		KOM	สรม			

	Assembly procedur NC	D.0060	Adjustment of worl	k equip	oment EPC lever detent	
	[Adjustment of bucket tilt deter	nt positio	n]			
	*Perform the following correction	with the	engine stopped.			
	5-3. Lower the boom to the grou	und.				
	6-3. Stop and hold the bucket le	ever just b	efore the TILT deten	nt posit	ion.	
	⑦-3. Press the ENTER switch, a changed and saved.	nd the lev	ver voltage is read ar	nd the	standard value is	
	8-3. When the display changes	to "1", set	ting is completed.			
	Bucket Tilt Adjustment 1 0: Waiting 1: OK 2: NG	N				
	(9)-3. If the ENTER switch is preserved value (out of the design range), the second		•	-		
∆× ∆×	Bucket Tilt Adjustment 2 0: Waiting 1: OK 2: NG					
	1. Finish the adjustment mode	e with the	RETURN switch.			
<b></b>	If the RETURN switch is pres calibration process.	ssed durir	ng adjustment, adjus	tment	is finished even in the	
	Precautions		Tools to be used		Facilities to be used	
			Name	Q'ty	Name	Q'ty
Ħ						
$ \uparrow  $		Others		1		
× × ØØ						
	<u></u>	Ком	ATSU			

Assembly procedur NO	.0070	Adjustm current	ent of worl	k equip	oment EPC starting	
1. Adjustment of work equipment E 1-1. Check of items *Perform the following correction v						
<ol> <li>While [01 Monitoring / Pre-definition of the UP (▲) and DOWN (▼)</li> </ol>	ned] is se	•	-	e men	u, select [09 Adjustment]	
(For how to enter the service in Service Menu 04 Maintenance Record 05 Maintenance Mode Setting	menu, se 09	e No. 00'	10 "Setting	of ma	chine monitor".)	
06 Phone Number Entry 07 Default 08 Diagnostic Tests 09 Adjustment						
② Push the ENTER switch, and the	ne screen	moves t	o the "Adju	ustmer	nt" screen.	
Service Menu O4 Maintenance Record O5 Maintenance Mode Setting O6 Phone Number Entry O7 Default O8 Diagnostic Tests O9 Adjustment	09					
③ Select a work equipment EPC with the UP (▲) and DOWN (▼) s	•	nt item fr	om adjustn	nent it	ems No. 08 to No. 10	
Boom RAISE : No.08 Boom LOWER : No.09 Bucket TILT : No.10 Bucket DUMP : No.11			ective iten indently	าร mus	st be set up	
08 Boom Raise Adjustment			Boom RA	ISE		
09 Boom Lower Adjustment			Boom LC	WER		
10 Bucket Tilt Adjustment			Bucket T	ΊLΤ		
11 Bucket Dump Adjustment			Bucket D	DUMP		
Precautions		Tools to Name		Q'ty	Facilities to be used Name	l Q'ty
		Tume		Quy	Humo	Qty
<b>├┼┤</b>	Others					
×						

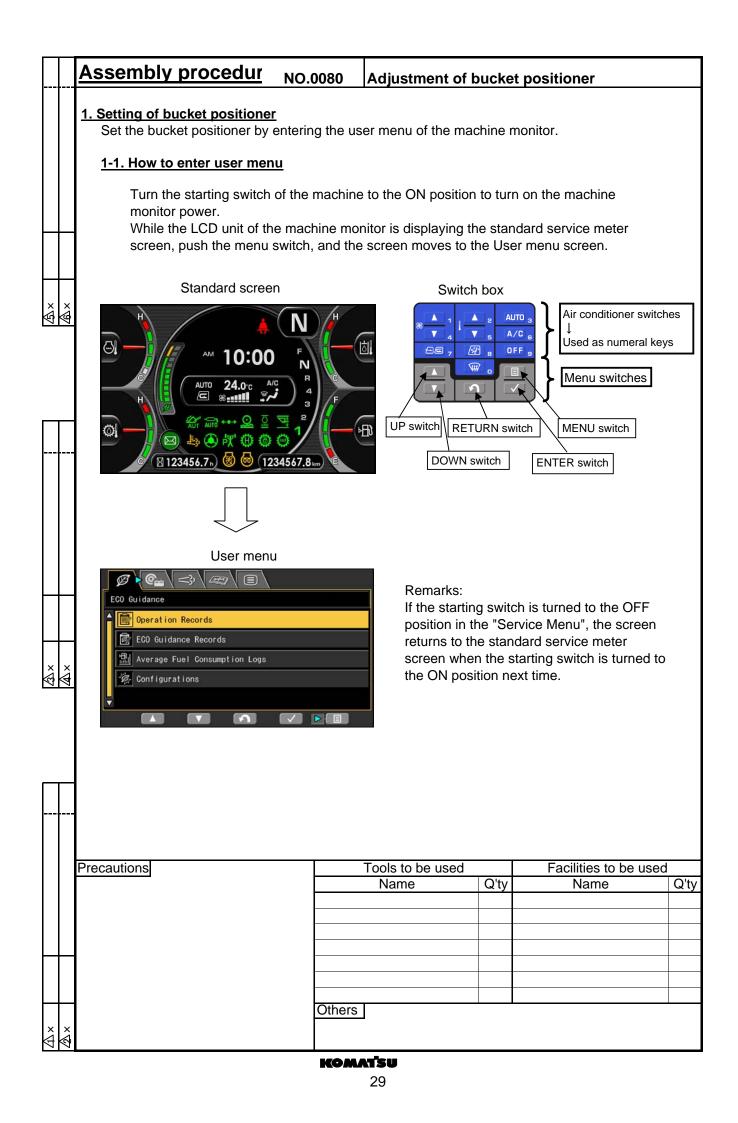
Π	Assembly procedur	NO.0070	Adjustment of worl current	k equi	pment EPC starting	
	④ Press the ENTER switch, a	and the work e	equipment EPC leve	er dete	ent set screen appears.	
	Boom Raise Adjustment 0 0: Waiting 1: OK 2: NG	SET Set	Boom RAISE			
	Boom Lower Adjustment 0 0: Waiting 1: OK 2: NG	SET	Boom LOWE	R		
	Bucket Tilt Adjustment 0 0: Waiting 1: OK 2: NG	SET SET; Set	Bucket TILT			
×		nt N SET V SET; Set	Bucket DUM	D		
	*After performing steps ① to "Adjustment of each EPC lev			tment	steps ⑤ and after in	
	Precautions		Tools to be used		Facilities to be used	
			Name	Q'ty	Name	Q'ty
$\square$	1					
x x		Others	]			
98						
		KOW	<b>NTSU</b>			

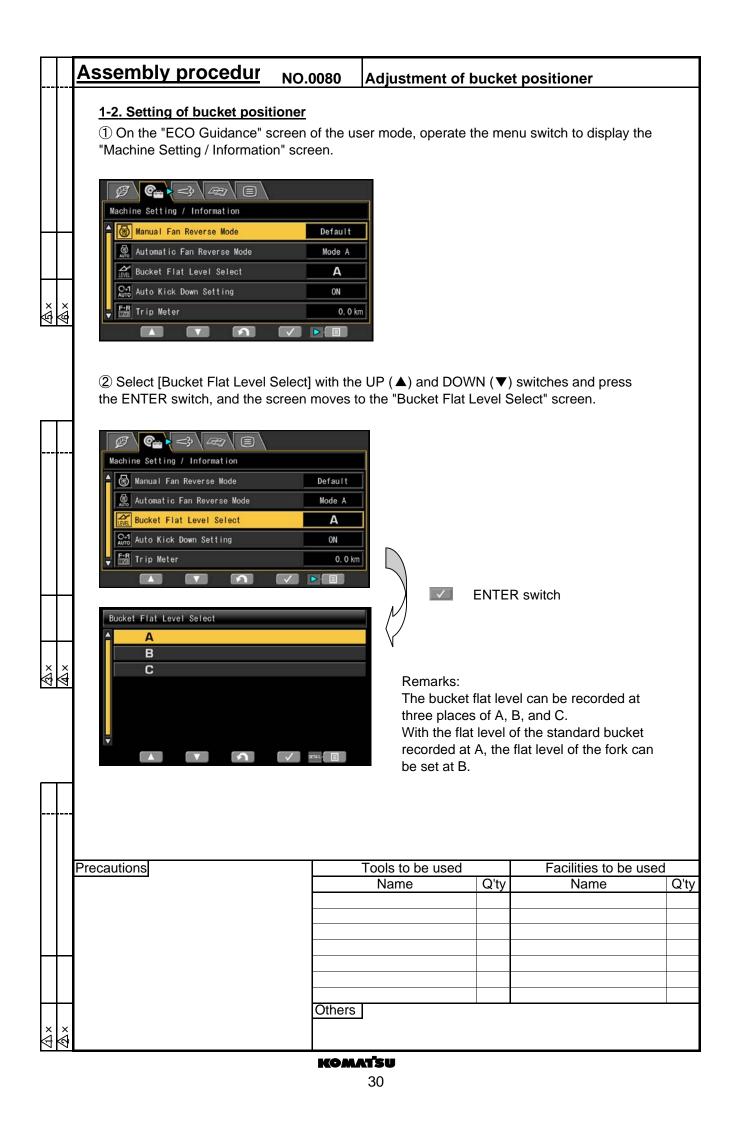
	Assembly procedur NO.0070	Adjustment of wo	ork equipm	ent EPC starting	
	1-2. Adjustment of each EPC lever				
	*After performing steps ① to ④ of No. 0 current", perform the following work. The screen displays the "Work equipme				
	[Adjustment of boom LOWER] *Perform the following correction while t	the engine is running.			
	⑤-1. Set the boom almost horizontally vention of the speed at high idle.	with no-load and then	lower it gr	adually with the	
\$ \$ \$	6-1. Slowly return the boom lever from When the boom stops, hold the lever at		ITRAL with	n fine control.	
	$\bigcirc$ -1. Press the ENTER switch, and the from the standard value is saved as an		is read ar	nd the difference	
	⑧-1. When the display changes to "1",	setting is completed.			
	Boom Lower Adjustment          1         0: Waiting         1: OK         2: NG	N			
	9-1. If the ENTER switch is pressed where value (out of the design range), the disperiod of the design range).		-		
×	Boom Lower Adjustment 2 0: Waiting 1: OK 2: NG				
	①-1. Finish the adjustment mode with the If the RETURN switch is pressed dual		istment is f	inished even in the	
	calibration process. Precautions	Tools to be used		Facilities to be use	d
		Name	Q'ty	Name	Q'ty
	015				
XX	Othe	613			
5		MATSU			
		25			

	Assembly procedur NO.	0070	Adjustment of work current	< equi	pment EPC starting	
		5070	current			
	[Adjustment of bucket DUMP] *Perform the following correction w	hile the	engine is running.			
	⑤-2. Set the boom almost horizont engine speed at high idle.	ally with	no-load and then d	ump i	t gradually with the	
	6-2. Slowly return the bucket level the bucket stops, hold the lever at t			RAL w	ith fine control. When	
	O-2. Press the ENTER switch, and the standard value is saved as an $O$			s read	and the difference from	
\$X \$	8-2. When the display changes to	"1", sett	ing is completed.			
	Bucket Dump 1 0: Waiting 1: OK 2: NG	N				
	(9)-2. If the ENTER switch is presserved value (out of the design range), the		•	-		
∆x ∆x	Bucket Dump 2 0: Waiting 1: OK 2: NG	N				
	10-2. Finish the adjustment mode w	/ith the F	RETURN switch.			
	If the RETURN switch is press			tment	is finished even in the	
	calibration process.					
	Precautions		Tools to be used		Facilities to be used	
			Name	Q'ty	Name	Q'ty
$\vdash$						
Ħ		Others				
¥ V						
		KOM	TSU			

	Assembly procedur No	D.0070	Adjustment of worl current	< equij	pment EPC starting	
	[Adjustment of boom RAISE]					
	*Perform the following correctio	n while the	engine is running.			
	⑤-3. Dump the bucket fully with boom to raise the front tires.	the boom	in the horizontal po	sition,	and then lower the	
	While running the engine at high	h idle, raise	e the boom (lower th	ne ma	chine) gradually.	
	6-3. Slowly return the boom level the boom stops (with the tires flow					
≜x ≜x	$\bigcirc$ -3. Press the ENTER switch, from the standard value is save			is read	d and the difference	
5	8-3. When the display changes	s to "1", set	ting is completed.			
	Boom Raise Adjustment           1           0: Waiting           1: OK           2: NG	N				
	9-3. If the ENTER switch is presonant value (out of the design range), to be a support of the design range).	he display		-		
∆x ∆x	Boom Raise Adjustment 2 0: Waiting 1: OK 2: NG					
	10-3. Finish the adjustment mode					
	If the RETURN switch is pre- calibration process.	ssed during	g adjustment, adjus	tment	is finished even in the	
	Precautions		Tools to be used		Facilities to be used	
			Name	Q'ty	Name	Q'ty
		Others				
ÅÅ			I			
20		Komi	ารับ			
			27			

	Assembly procedur No	D.0070	Adjustment of worl current	k equip	oment EPC starting	
	[Adjustment of bucket TILT]					
	*Perform the following correction	while the e	engine is running.			
	⑤-4. Dump the bucket fully with to raise the front tires.					
	While running the engine at high	idle, tilt the	e lift arm (lower the	machi	ne) gradually.	
	6-4. Slowly return the bucket levelocket stops (with the tires floated					
× ×	⑦-4. Press the ENTER switch, a the standard value is saved as a			s read	and the difference from	
N N	8-4. When the display changes	to "1", setti	ng is completed.			
	Bucket Tilt Adjustment		•	-		
∆× ∆×	Bucket Tilt Adjustment 2 0: Waiting 1: OK 2: NG					
	10-4. Finish the adjustment mode	e with the F	ETURN switch.			
	If the RETURN switch is pre- calibration process.	ssed during	adjustment, adjus	tment	is finished even in the	
	Precautions		Tools to be used	<u> </u>	Facilities to be used	
			Name	Q'ty	Name	Q'ty
		Others				
ð ð						
		KOW	28			





## Assembly procedur NO.0080 Adjustment of bucket positioner

③ Select an item to record a flat level with the UP ( $\blacktriangle$ ) and DOWN ( $\triangledown$ ) switches and press the MENU switch, and the screen moves to the "Bucket Flat Level Adjustment" screen.

Bucket	Flat	Level	Adjustment
Bucket	Flat	Level	Initialize

\$ \$ \$ \$

× ₹ ④ Press the ENTER switch while the "Bucket Flat Level Adjustment" is selected, and the following screen appears.

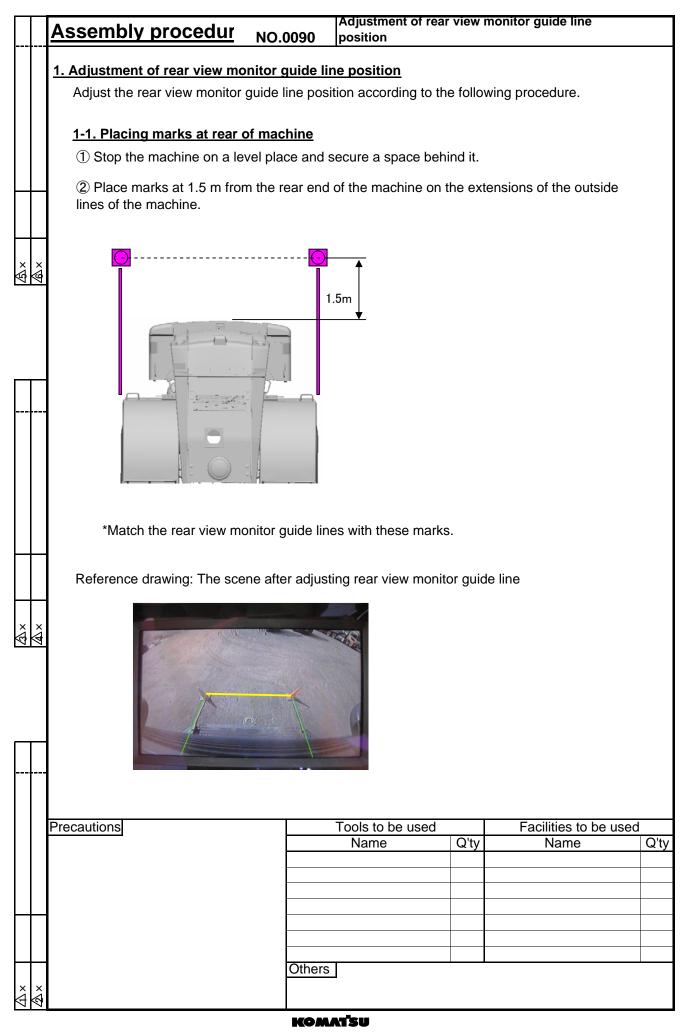
Bucket Flat Level Adjustment	
STEP 1 Please Set Bucket to be Flat, and Put on the Ground.	Check 🔽
+	
STEP 2 Please Raise Boom	
2	

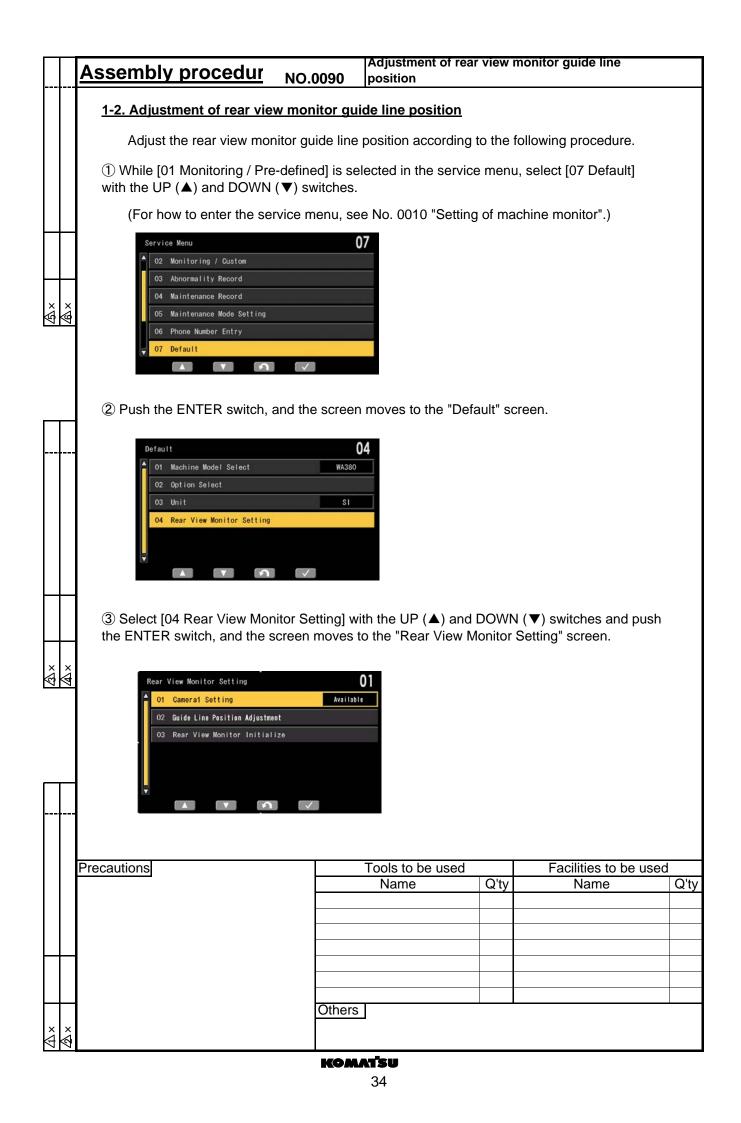
⑤ Set the bucket flat and lower it to the ground according to the instruction on the screen, and then press the ENTER switch, and the following screen appears.



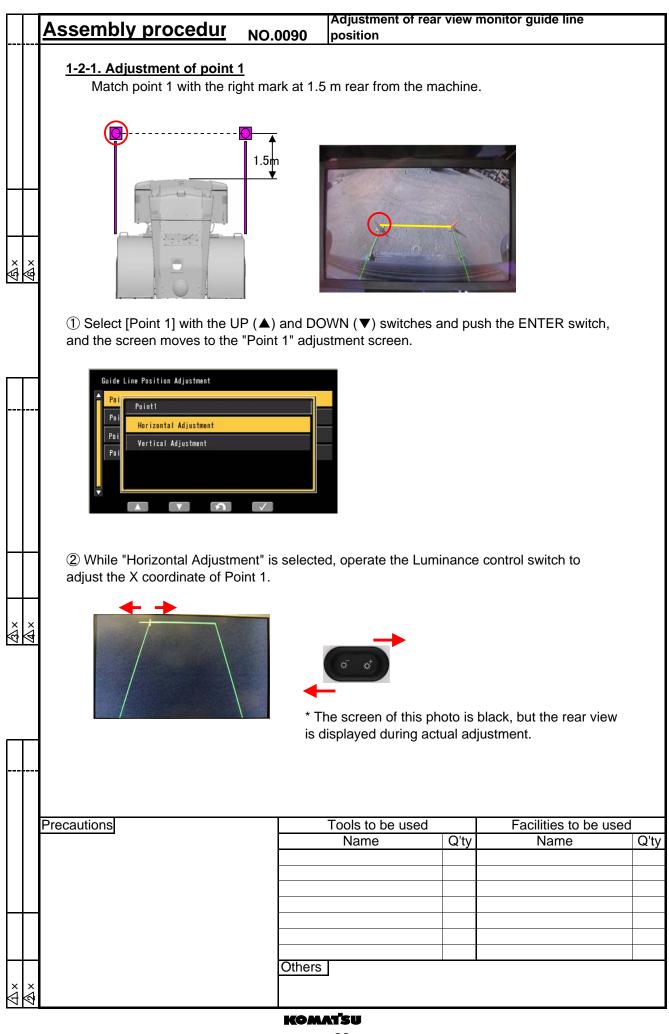
		Precautions	Tools to be us	ed	Facilities to be used		
			Name	Q'ty	Name	Q'ty	
-			Others				
×	∕ي×						

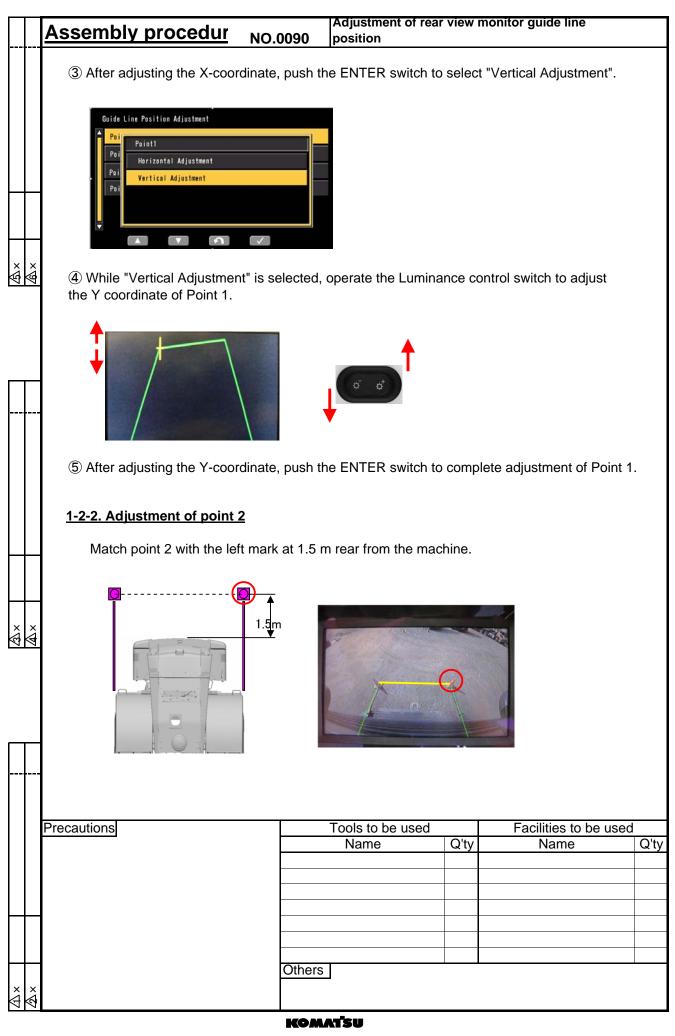
	Assembly procedur NO.0	0080 Adjustment of	bucket positioner				
<u>ه</u> × ه×	6 Raise the boom to the upper limit completed and the following screen	it according to the instruction appears.	ion on the screen, and setting is				
	If the bucket lever is operated while the boom is raised, setting cannot be performed. In this case, setting is canceled and the following screen appears.           Bucket Flat Level Adjustment           Bucket Flat Level Adjustment Result           Bucket Flat Level Adjustment Failed.           Bucket Flat Level Adjustment Failed.						
∆× ∆×							
	Precautions	Tools to be used Name	Facilities to be usedQ'tyNameQ'ty				
		Nume					
$\left  \right $							
		Others	J <b>I</b>				
× ∳							
		KOMATSU					

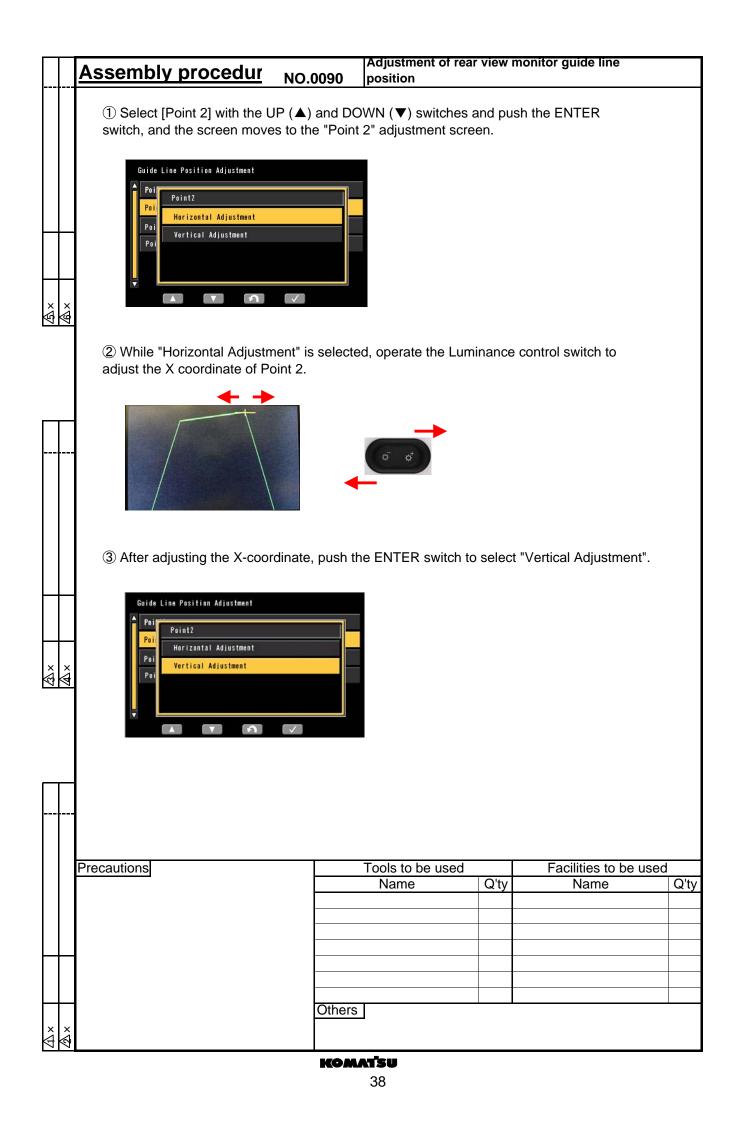


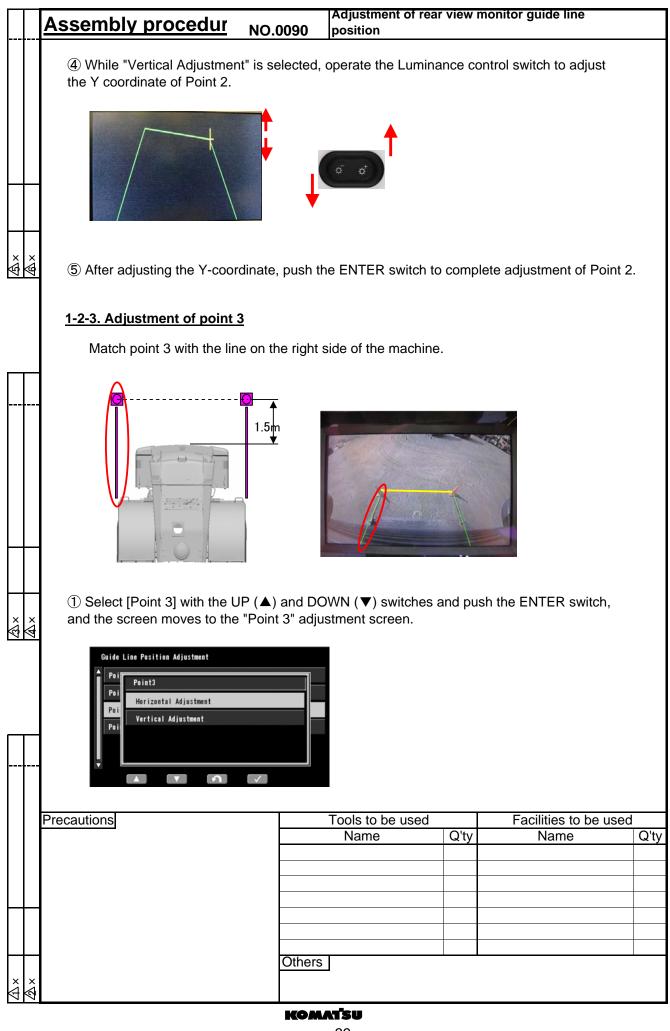


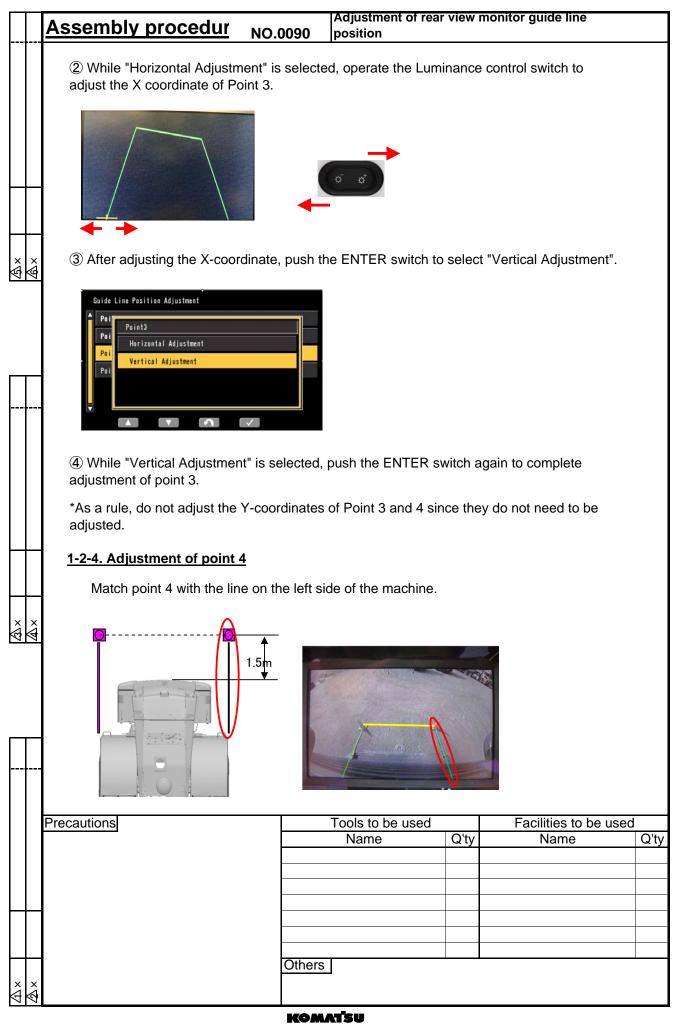
$\prod$	Assembly procedur	NO.0090	Adjustment of rear position	view n	nonitor guide line	
⑤× ▲×	④ Select [02 Guide Line Postpush the ENTER switch, and screen.          Guide Line Position Adjustment         Point1         Point2         Point4	the screen m				
	*Detail of each point Point 1 1 3 Point 3 *Use the Luminance control rear view monitor guide line.	2 4	oint 2 oint 4 pottom of the Rear v	iew mc	onitor to adjust the	
	LCD unit Rear view monitor					
∆× ▲×			Luminance co	ontrol sv	witch	
	Switch box Lu	iminance cont	trol switch			
	Precautions		Tools to be used Name	Q'ty	Facilities to be used Name	Q'ty
$\left  \right $		Others	3			
× × ∳						
		KOM	<b>ATSU</b> 35			











	Assembly procedur NC	0.0090	Adjustment of rear position	view	monitor guide line		
	① Select [Point 4] with the UP ( and the screen moves to the "Po	ess the ENTER switch,					
\$X \$Ax	Guide Line Position Adjustment Poi Poi Poi Vertical Adjustment						
	② While "Horizontal Adjustment" is selected, operate the Luminance control switch to adjust the X coordinate of Point 4.						
	③ After adjusting the X-coordinate, press the ENTER switch to select "Vertical Adjustment".						
∆× ∆×	Guide Line Position Adjustment Poi Point4 Poi Poi Vertical Adjustment						
	④ While "Vertical Adjustment" is selected, press the ENTER switch again to complete adjustment of point 4.						
	*As a rule, do not adjust the Y-coordinates of Point 3 and 4 since they do not need to be adjusted.						
	Precautions		Tools to be used		Facilities to be used	1	
			Name	Q'ty	Name	Q'ty	
		Others	3				
× ØØ							
		КОМ	ATSU				

WA380-7 WHEEL LOADER

Form No GEN00114-00

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