

TRANSFER CASE

TRANSMISSION EQUIPMENT

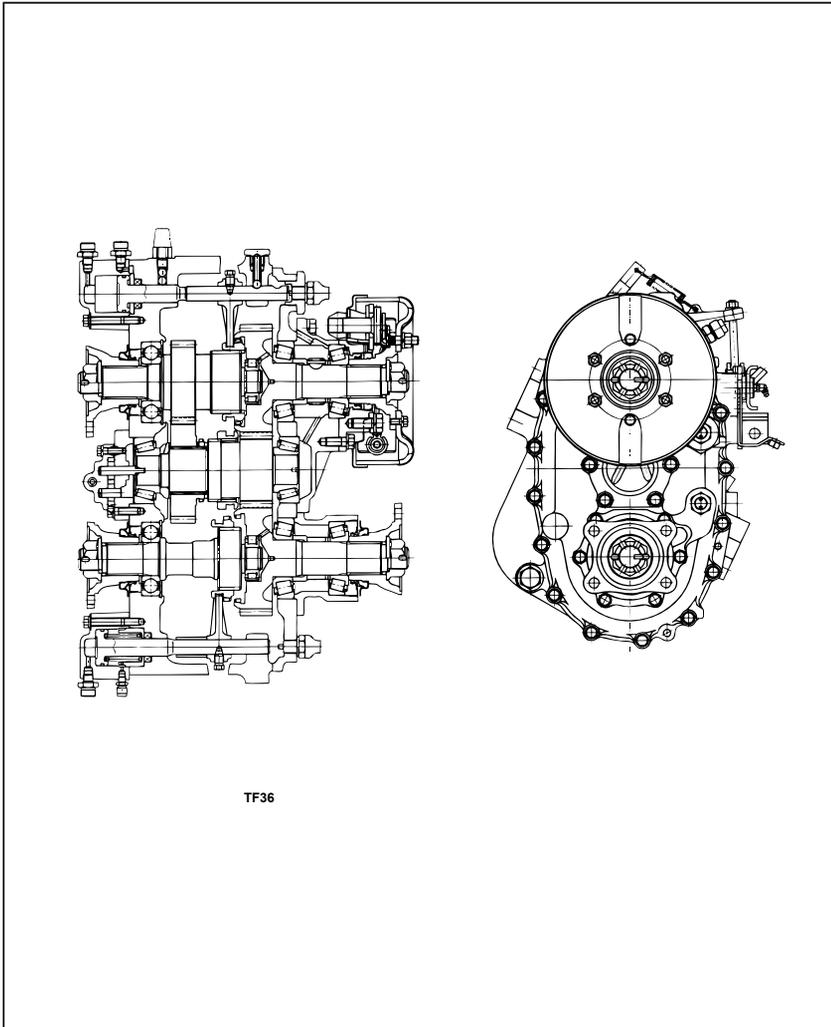
TRANSMISSION EQUIPMENT

POWER TAKE-OFF

MAIN SPECIFICATIONS

Option or Model	Type of Transmission (or Engine)	Type of Gear	Reduction Ratio	No. of Teeth	Location	Direction of Rotation	Max. Output Torque (kg-m/rpm)	Fig. No.	
V66	MSB5S	Helical gear	1.633	49/30x34/22x22/34	LHD side of transmission	Counter-clockwise viewed from the front	15/1,000	1	
	MSB5M		1.821	52/28x34/22x22/34			20/1,000	2	
	MY5T		0.760	28/45x33/31x31/27			25/1,500	3	
	MBJ5T		1.474	45/29x32/20x19/32					
SH5	MBJ5J, 6T	Direct drive	0.776	20/38x28/36x36/19	Front of T/M	Clockwise	42/3,500	4	
	MBJ5T		0.836	21/37x28/36x36/19					
	MLD6A	Spur gear	0.685	21/46x33/32x32/22	LHD side of transmission	Counter-clockwise viewed from the front	25/1,500	5	
	MLD6B		0.733	22/45x33/32x32/22					
	MLD6D,7Q		0.837	24/43x33/32x32/22					
	MAL6S,6V		0.843	22/41x33/35x35/21					
	MAL5T		0.967	24/39x33/35x35/21					
	MAL6Q		0.843	22/41x33/35x35/21					
	MAG6W		0.805	21/41x33/35x35/21					
	MJA6A		0.808	21/47x38/36x36/21					
	MJA7U		0.924	23/45x38/36x36/21					
	MJD7S		0.983	27/41x12/36x36/11x26/19					
	BDM	FS8209HD	Direct drive	0.722	—	Rear of Transmission	Counter-clockwise viewed from the front	45/—	8
		ZF9S75DD		0.615	26/37x14/16			81.5/1,500	9
ZF9S109OD		0.770		27/33x16/17	81.5/1,500				
ZF16S151,S221		High 1.094 Low 0.914		35/32 32/35	81.5/1,500			10	
SV1	10PE1	Spur gear	0.944	—	Upper of flywheel housing	Counter-clockwise viewed from the front	45/1,000	11, 12	
	6WA1-TC		1.000				Clockwise viewed from the front	45/1,400	13

NOTE *: Since the output shaft is somewhat different according to the conditions of use, confirm it to the manufacturer.



TF36

Transfer case model	Applicable model	Type	Ratio and number of teeth		Gear shift		Oil capacity (lts)	Weight (Dr) (kg)
			High (mesh)	Low (mesh)	Type	Location		
TF36	FTS/FSS	2-speed	Direct	2.091 (31/24 x 34/21)	Remote	Floor	3.0	117

POWER TAKE-OFF

OUTPUT SHAFT AND FLANGE

Vehicle model	T/M	PTO type				Fig
		Front	Side	Rear	Flywheel	
NKR	MSB		○			14
NKR/NPR	MSA		○			14
NKR/NPR/NQR	MYJ		○			14
FRR/FSR FSS/FVS	MBJ	○	○			15, 16
FTR/FVR	MLD	○	○			17
FVR/GVR FVM	FS8		○			18
FVR/GVR FVZ/FXZ/GXZ	ZF9			○		9
C&E series	MJA MAL/MAG		○		○	19, 20
C&E series	MJD		○		○	7
C&E series	ZF16			○		21

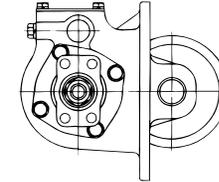
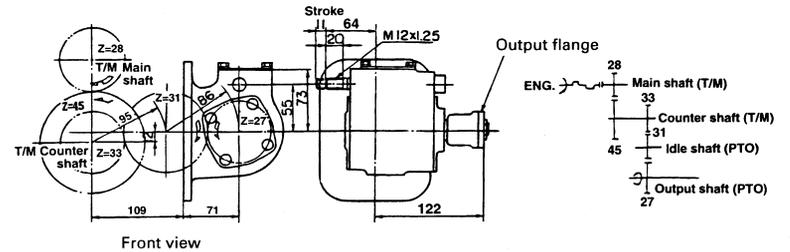


Fig. 1



Front view

Detail of output flange

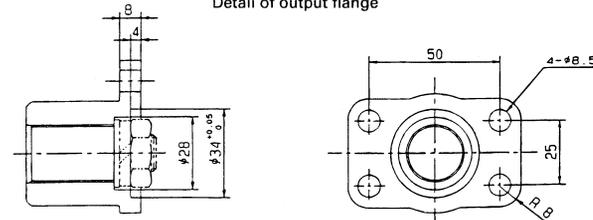


Fig. 2

POWER TAKE-OFF

TRANSMISSION EQUIPMENT

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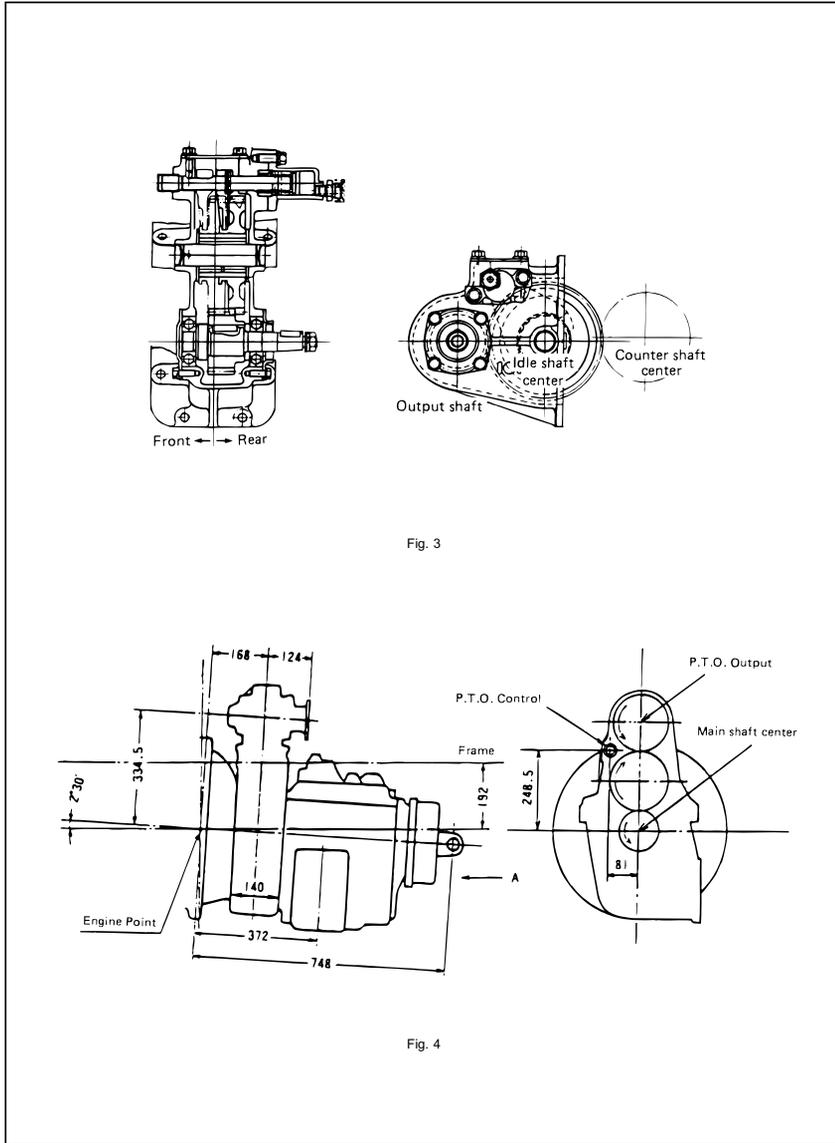


Fig. 3

Fig. 4

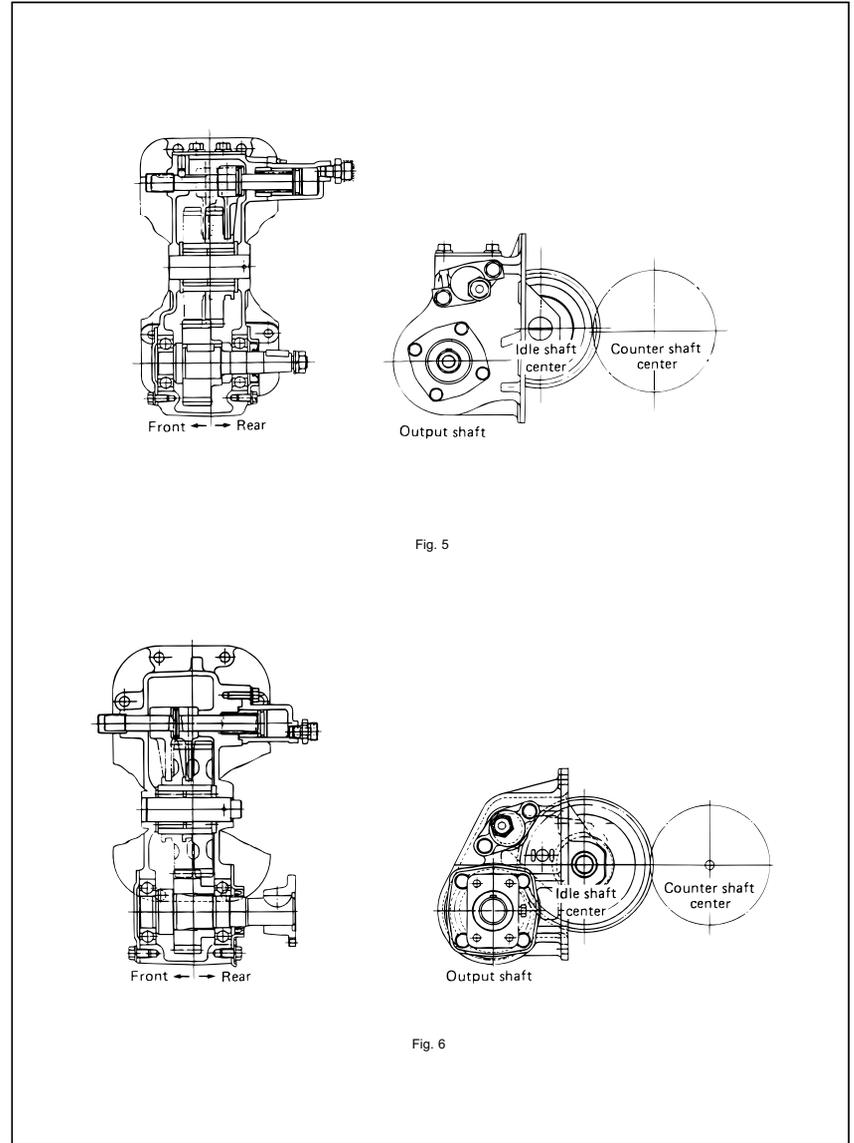


Fig. 5

Fig. 6

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POWER TAKE-OFF

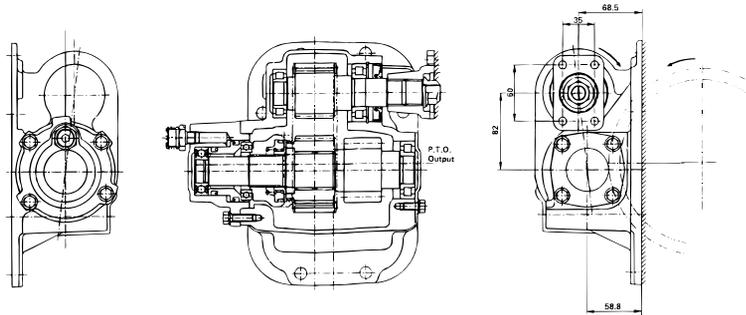


Fig. 7

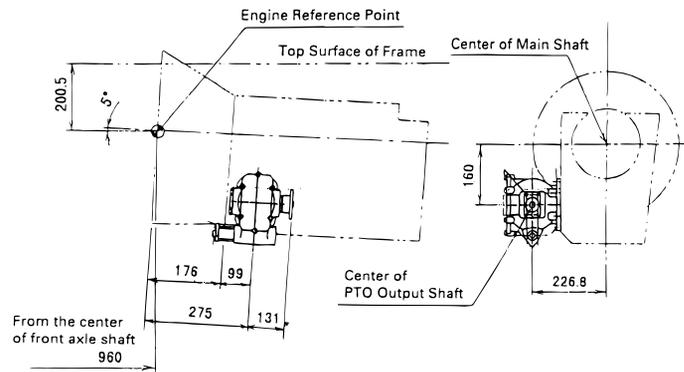


Fig. 8

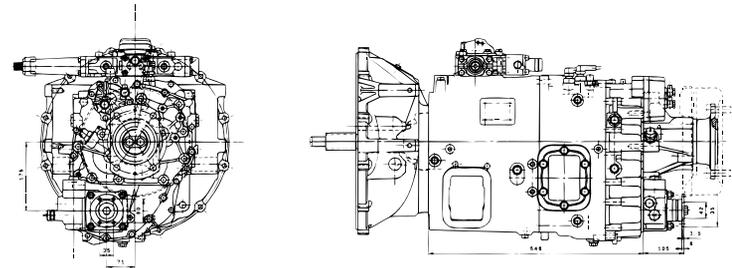
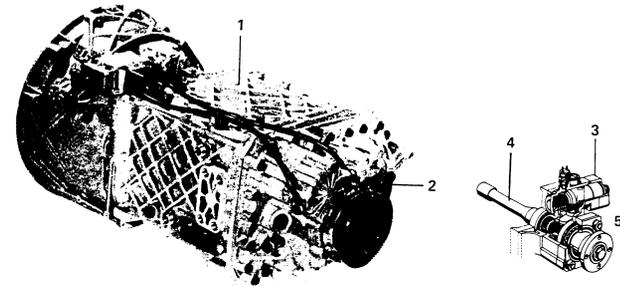


Fig. 9



1. ZF161S151 transmission
2. End plate of layshaft
3. PTO unit
4. Adapter shaft
5. Output shaft
6. Air hose connector
7. Switch terminal

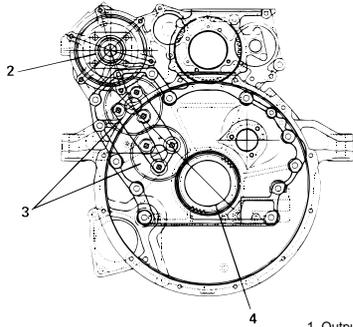
Fig. 10

POWER TAKE-OFF

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- 1. Output shaft
- 2. P.T.O gear
- 3. Idle gear
- 4. Crank gear

Fig. 11

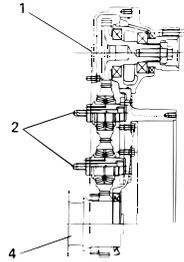


Fig. 12

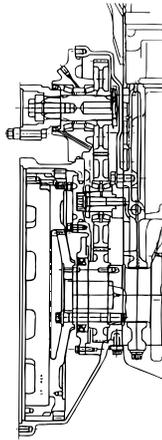


Fig. 13

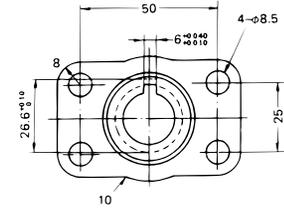
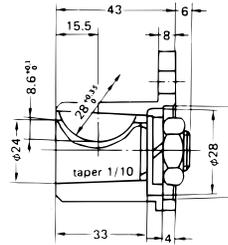


Fig. 14

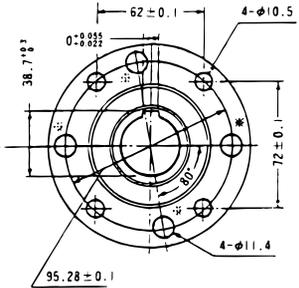
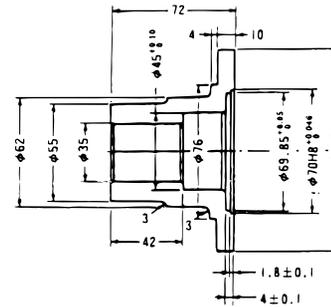


Fig. 15

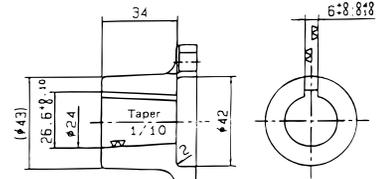
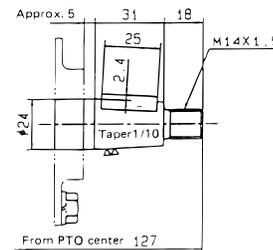


Fig. 16

POWER TAKE-OFF

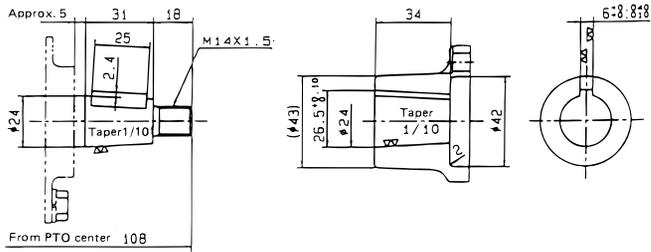


Fig. 17

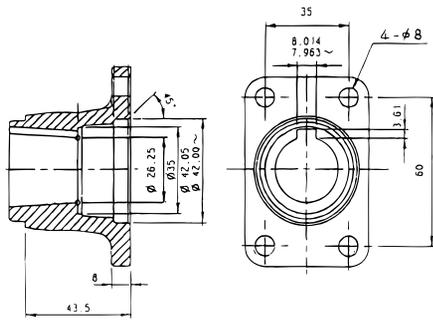


Fig. 18

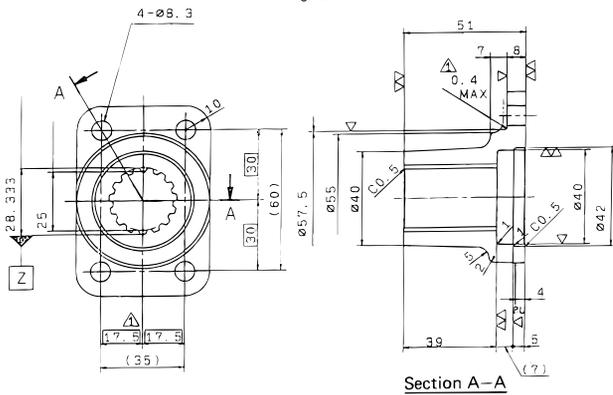


Fig. 19

POWER TAKE-OFF

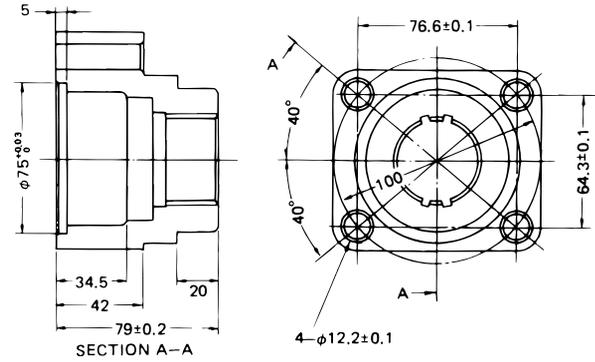


Fig. 20

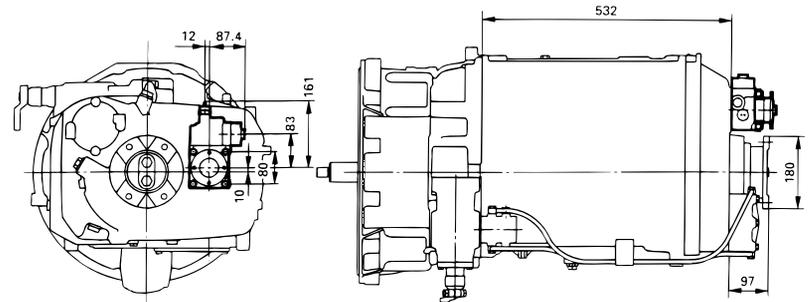


Fig. 21