2. TECHNICAL DATA

Item		Unit	C12R
Hydraulic implement			
Cylinder			
Stroke		in. (mm)	10.5 (266.5)
Inner dia.		in. (mm)	Ø2.4 (Ø60)
Piston rod dia.		in. (mm)	Ø1.2 (Ø30)
[illegible]	Up	sec.	3.9

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2. TECHNICAL DATA

Item			Unit	C12R
Electrical equipment				
	Hour meter		V-W	12-0.18
	Horn		V-W	12-30
	Fuse		A×pcs.	10×2
	Monitor lamps	Battery charge alarm lamp	V-W	12-3
		Engine oil pressure alarm lamp	V-W	12-3

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2. TECHNICAL DATA

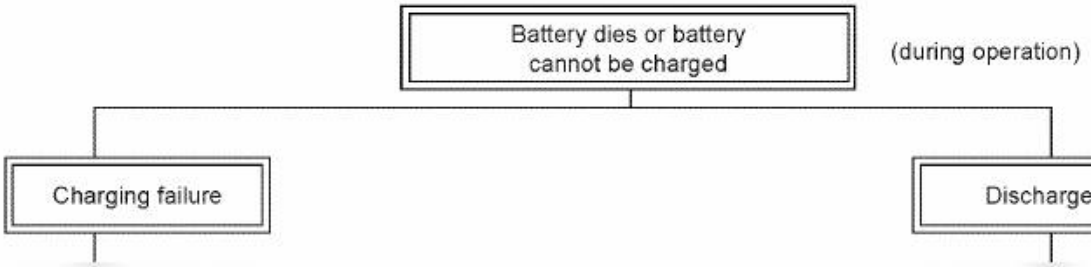
Item		Unit	C12R
Engine			
	Cooling device		
		Cooling system	Forced circulation radiator cooling system
		Fan belt size	in.	HM33
		Thermostat opening temperature	°F (°C)	157.1 to 162.5 (69.5 to 72.5)

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10. TROUBLESHOOTING



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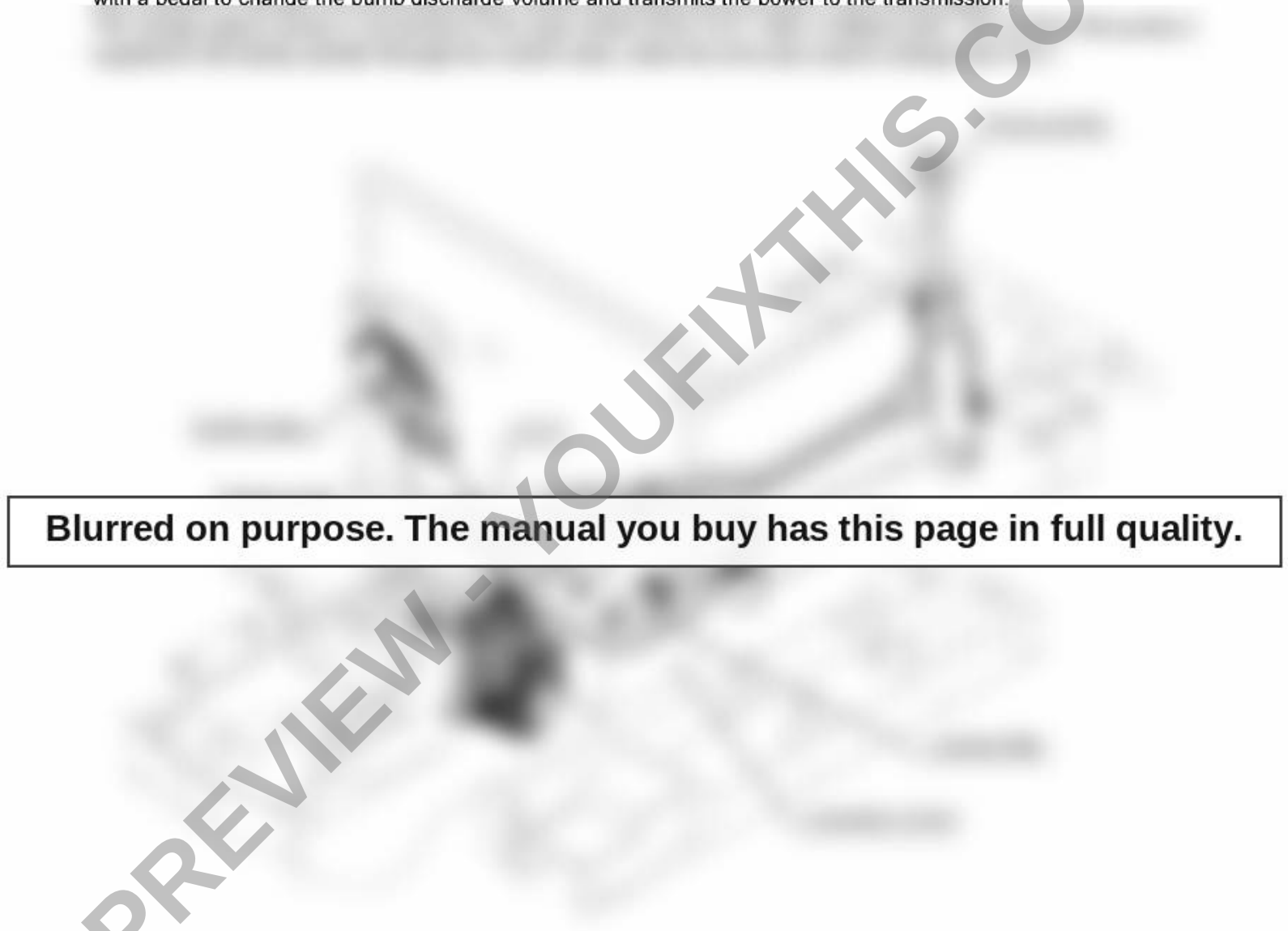
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6. Hydraulic Equipment

6-1 Outline

This hydraulic equipment consists of H.S.T. (Hydro Static Transmission) with a charge (gear) pump, a control valve and a dump cylinder.
The H.S.T., which is driven through the V-belt by the engine, controls the pump discharge volume control section with a pedal to change the pump discharge volume and transmits the power to the transmission.



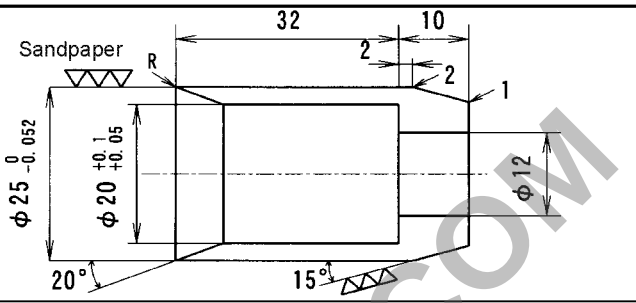
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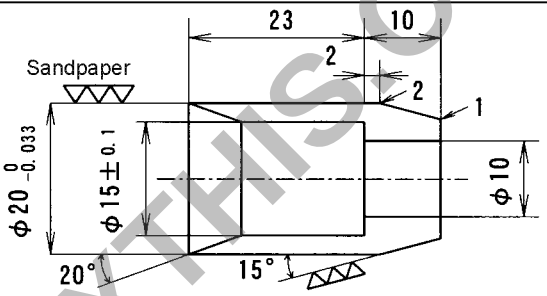
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5. Jigs

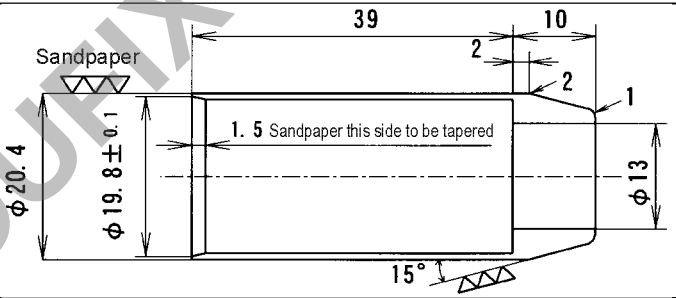
Jig for installing oil seal onto input shaft



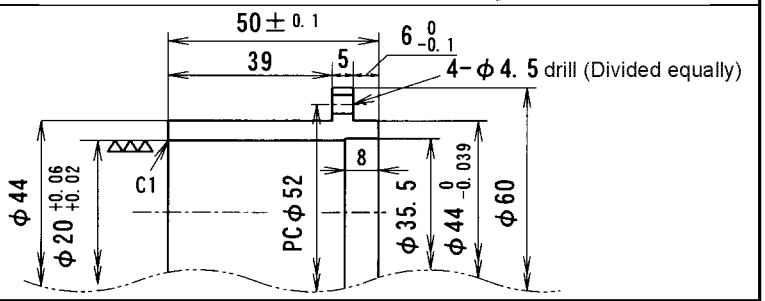
Jig for installing oil seal in trunnion cover



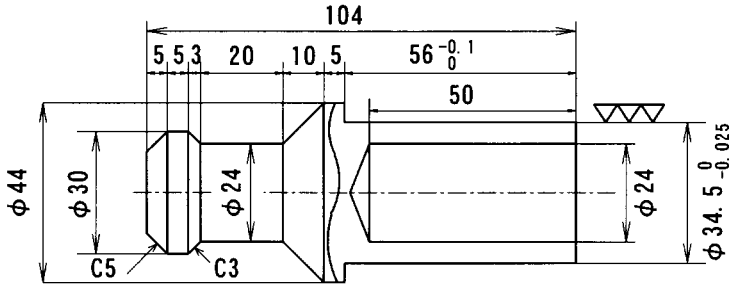
Jig for installing oil seal



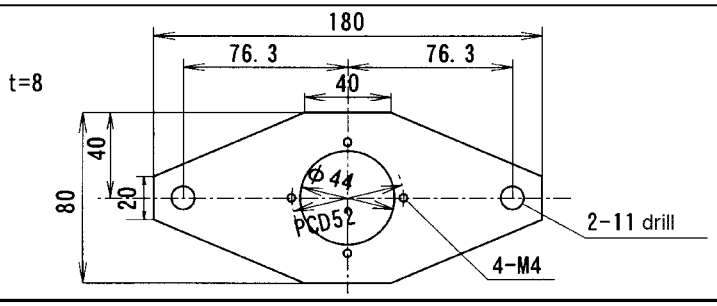
Jig for installing seal onto input and output shafts



Jig for installing seal onto input and output shafts



Jig for installing seal onto output shaft



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4. Engine

4-1 Measurement, Inspection and Adjustment

4-1-1 Measuring the Compression Pressure

1) Measurement Procedure

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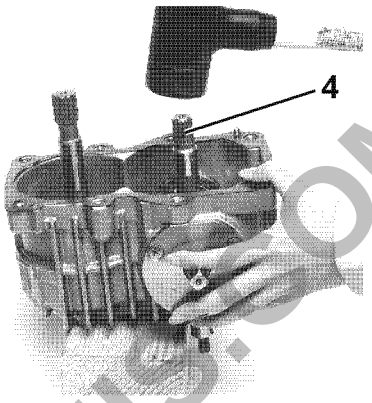
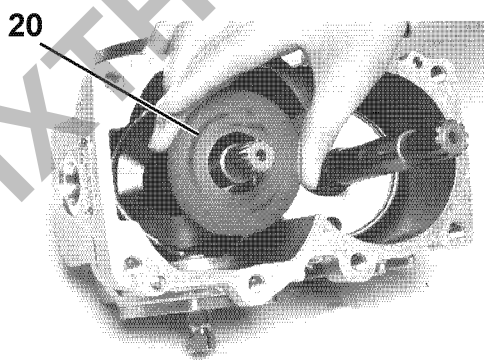
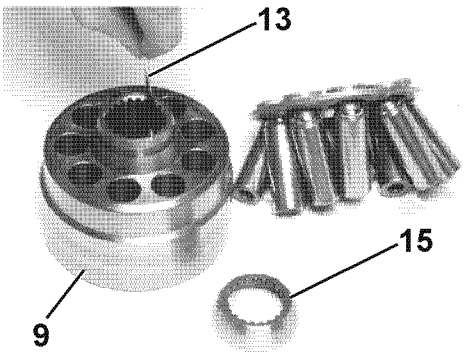
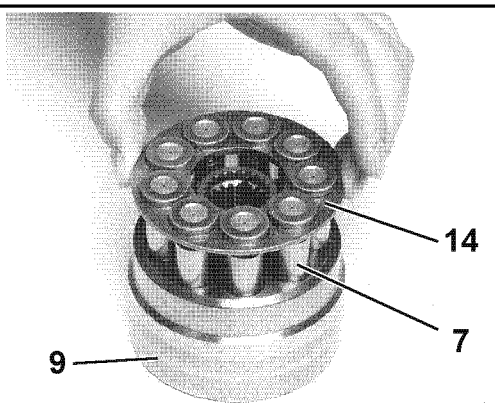
4-4-4 Specifications of Fuel Injection Pump

Item			Applicable model: 2TNE68-EFW (C12R)
Fuel injection pump assembly code number	(1)+(2)+(3)		719325-51680
	(1)+(2)+(3)+(4)		-

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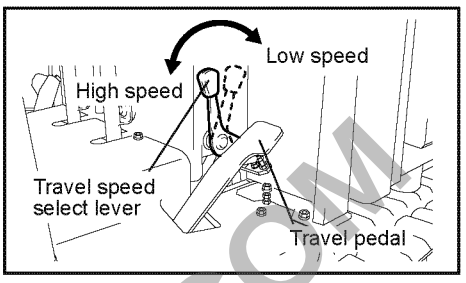
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Procedure	
(6) Installation of input shaft **4** • Press-fit the input shaft **4** with the bearing **58** into the housing **2**, and install the internal snap ring C **65** to hold the input shaft **4**. ***Note :*** *Take care that the input shaft is not off-center in installation.*	
• Install the thrust plate **20**. ***Note :*** *Put the side with a larger chamfer (C1) of the thrust plate on the swash plate.*	
(7) Installation of plunger blocks **9**. [1] Apply grease to the three retainer holder pins **13**, and then insert them into the three grooves in the spline teeth. [2] Install the retainer holder **15**.	
[3] Install the nine plungers **7** in the retainer **14**, and then insert them into the plunger block **9** together. ***Notes :*** *a) Apply clean hydraulic oil to the sliding surfaces.* *b) Do not tap the shoe side of the plunger **7** in installation.*	

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7-3-7 Adjustment Procedure for Travel Speed Select Lever

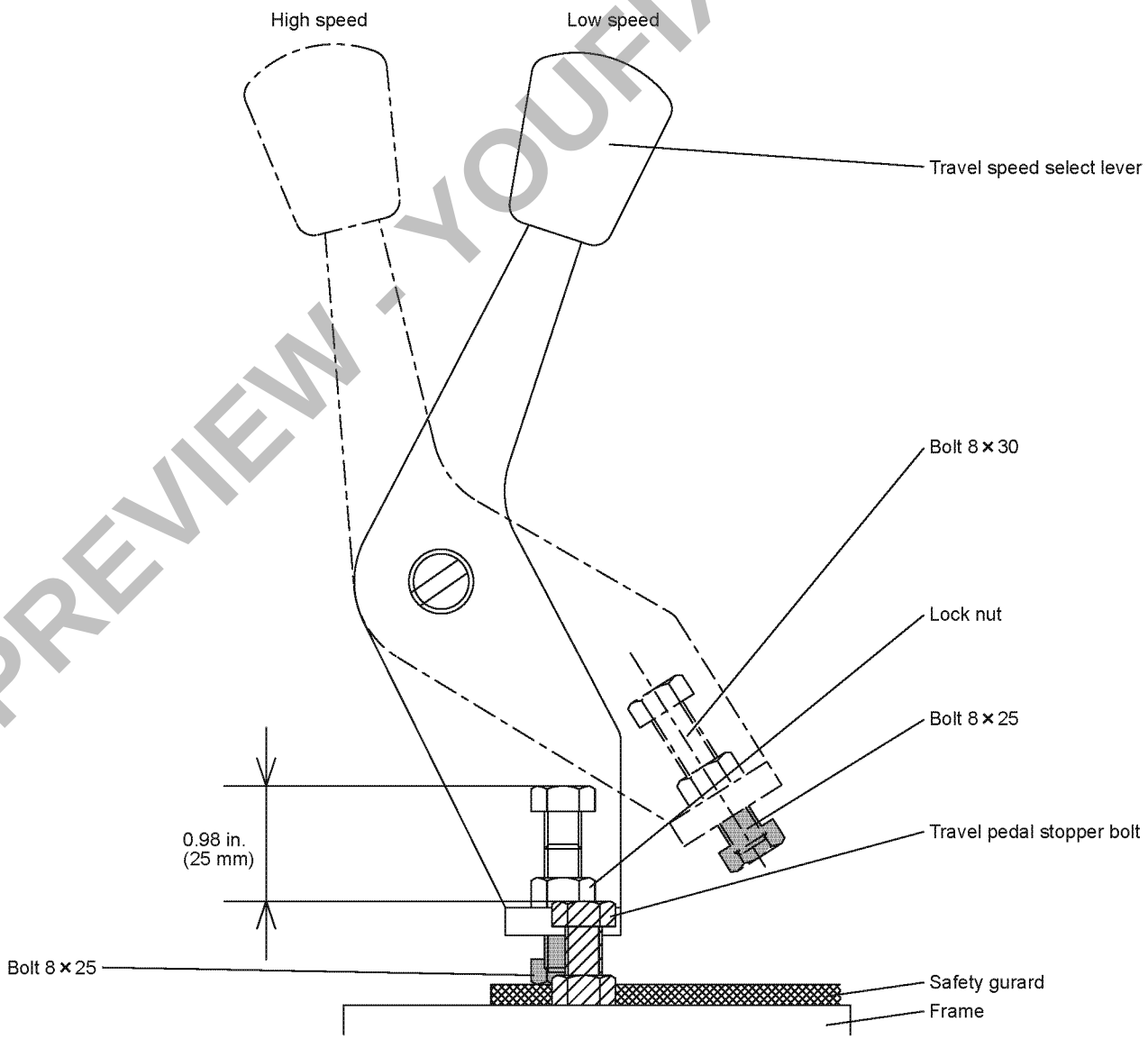


[1] Move the travel speed select to the low speed side.

[2] Adjust the bolt 8×25 so that its head is contacted with the upper surface of the safety guard.

[3] Adjust the bolt 8×30 so that its head is 0.98 in. (25 mm) higher than the travel pedal stopper bolt head.

[4] Fasten the bolts with the lock nuts.



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