CRAWLER EXCAVATOR

SERVICE MANUAL

R260LC-9A

HYUNDAI

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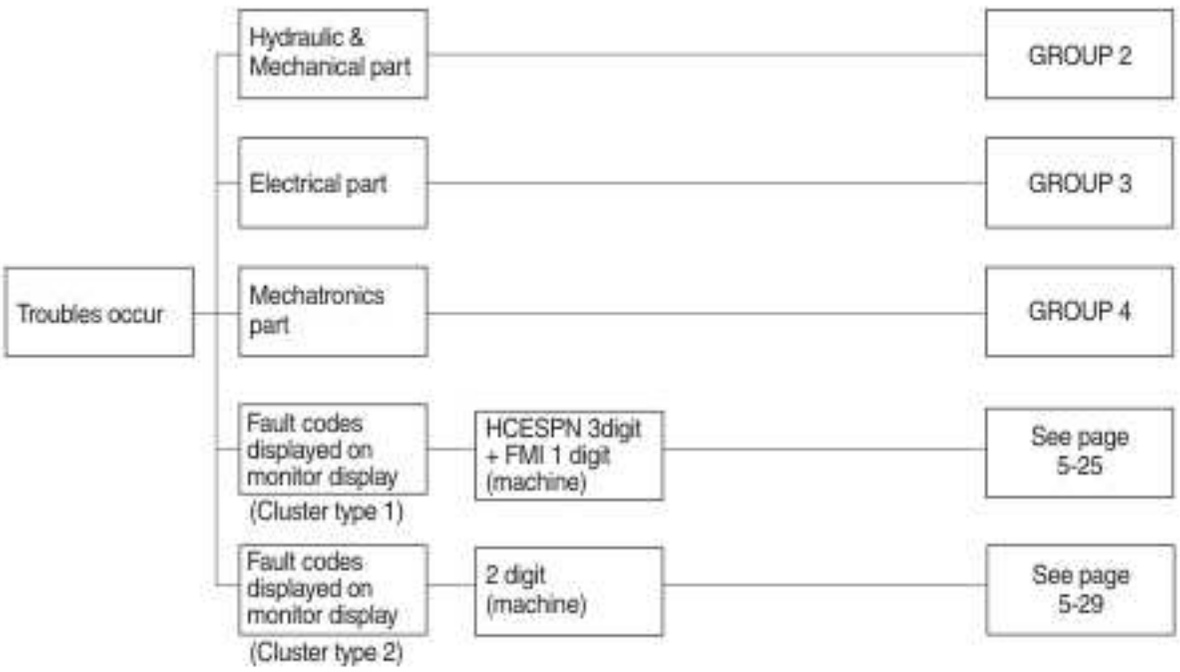
GROUP 1 BEFORE TROUBLESHOOTING

1. INTRODUCTION

When a trouble is occurred in the machine, this section will help an operator to maintain the machine with easy.

The trouble of machine is parted Hydraulic & Mechanical system, Electrical system and Mechatronics system. At each system part, an operator can check the machine according to the troubleshooting process diagram.

※ Before carring out troubleshooting procedure, check monitoring menu in the cluster.

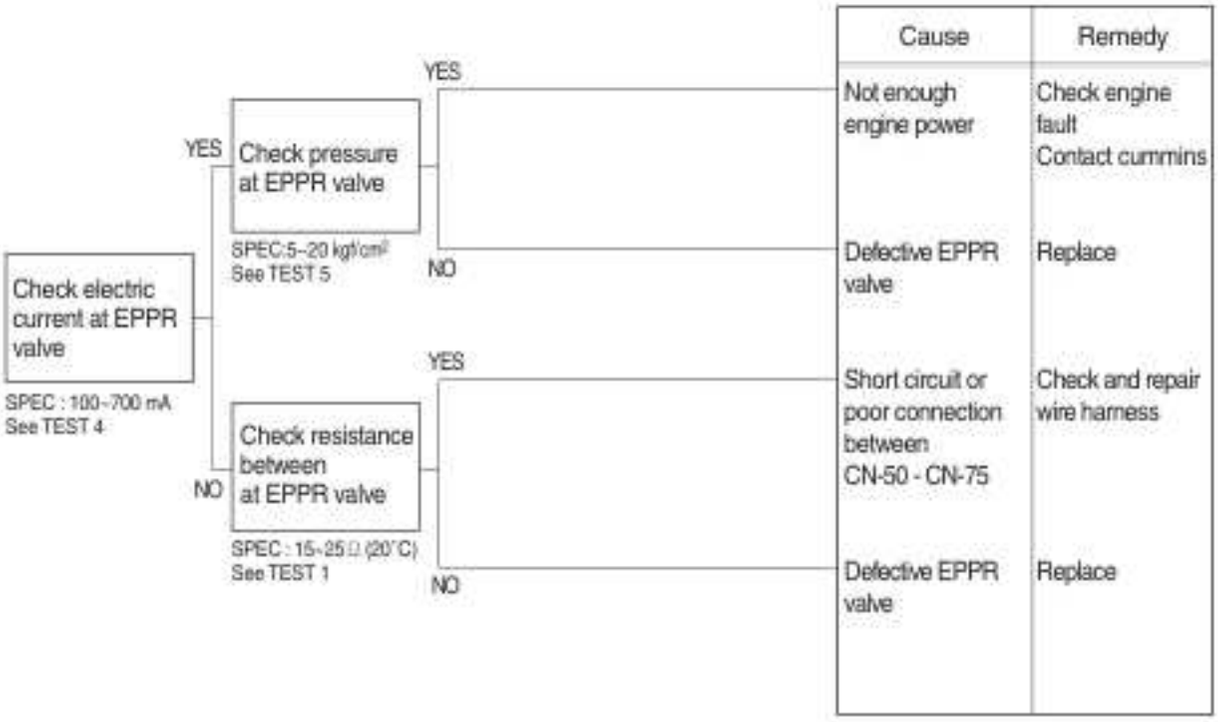


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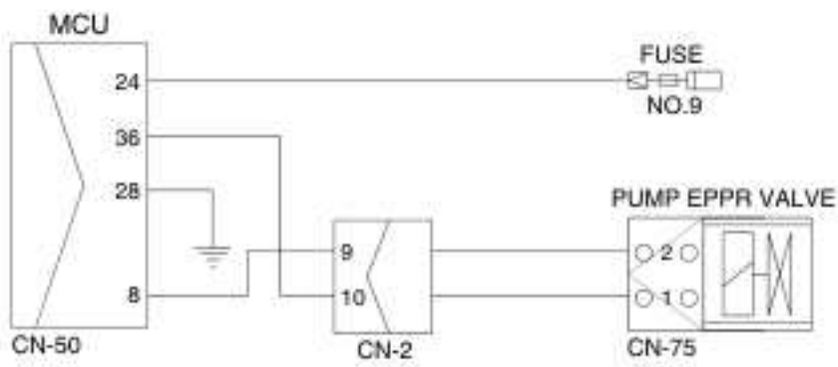
2. ENGINE STALL

※ Before carrying out below procedure, check all the related connectors are properly inserted.

1) INSPECTION PROCEDURE

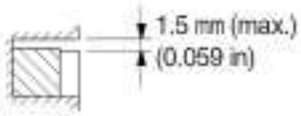


Wiring diagram



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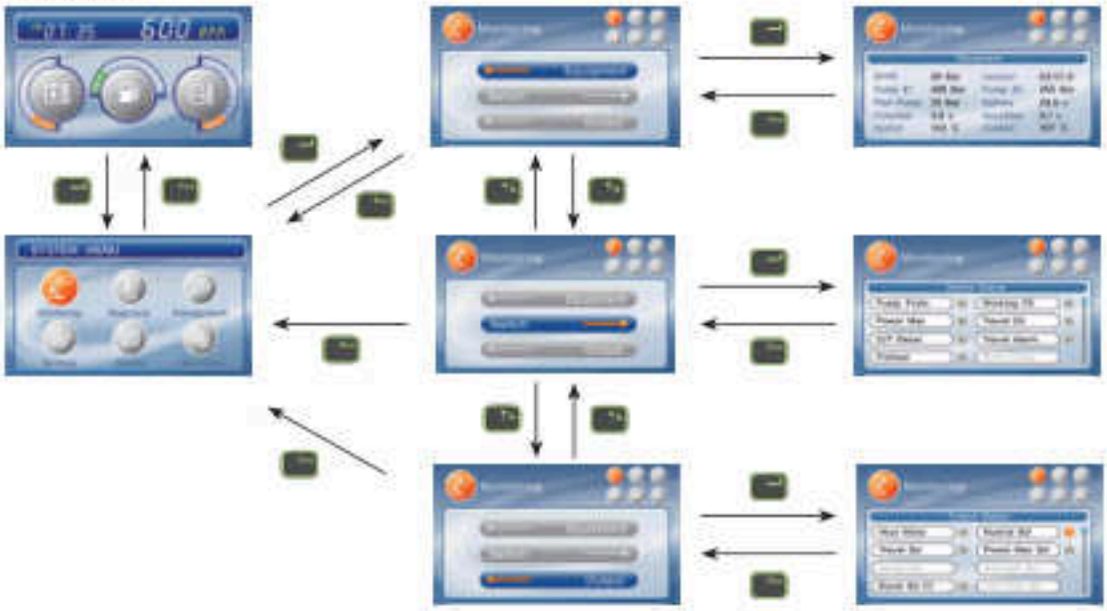
7. TURNING JOINT

Part name		Maintenance standards	Remedy
Body, Stem	Sliding surface with sealing sections.	Plating worn or peeled due to seizure or contamination.	Replace
	Sliding surface between body and stem other than sealing section.	- Worn abnormality or damaged more than 0.1 mm (0.0039 in) in depth due to seizure contamination.	Replace
		- Damaged more than 0.1 mm (0.0039 in) in depth.	Smooth with oilstone.
	Sliding surface with thrust plate.	- Worn more than 0.5 mm (0.02 in) or abnormality.	Replace
		- Worn less than 0.5 mm (0.02 in).	Smooth
		- Damage due to seizure or contamination remediable within wear limit (0.5 mm) (0.02 in).	Smooth
Cover	Sliding surface with thrust plate.	- Worn more than 0.5 mm (0.02 in) or abnormality.	Replace
		- Worn less than 0.5 mm (0.02 in).	Smooth
		- Damage due to seizure or contamination remediable within wear limit (0.5 mm) (0.02 in).	Replace
Seal set	-	- Extruded excessively from seal groove square ring. 	Replace
	-	- Slipper ring 1.5 mm (0.059 in) narrower than seal groove, or narrower than back ring. 	Replace
	-	- Worn more than 0.5 mm (0.02 in) – 1.5 mm (MAX.) (0.059 in) 	Replace

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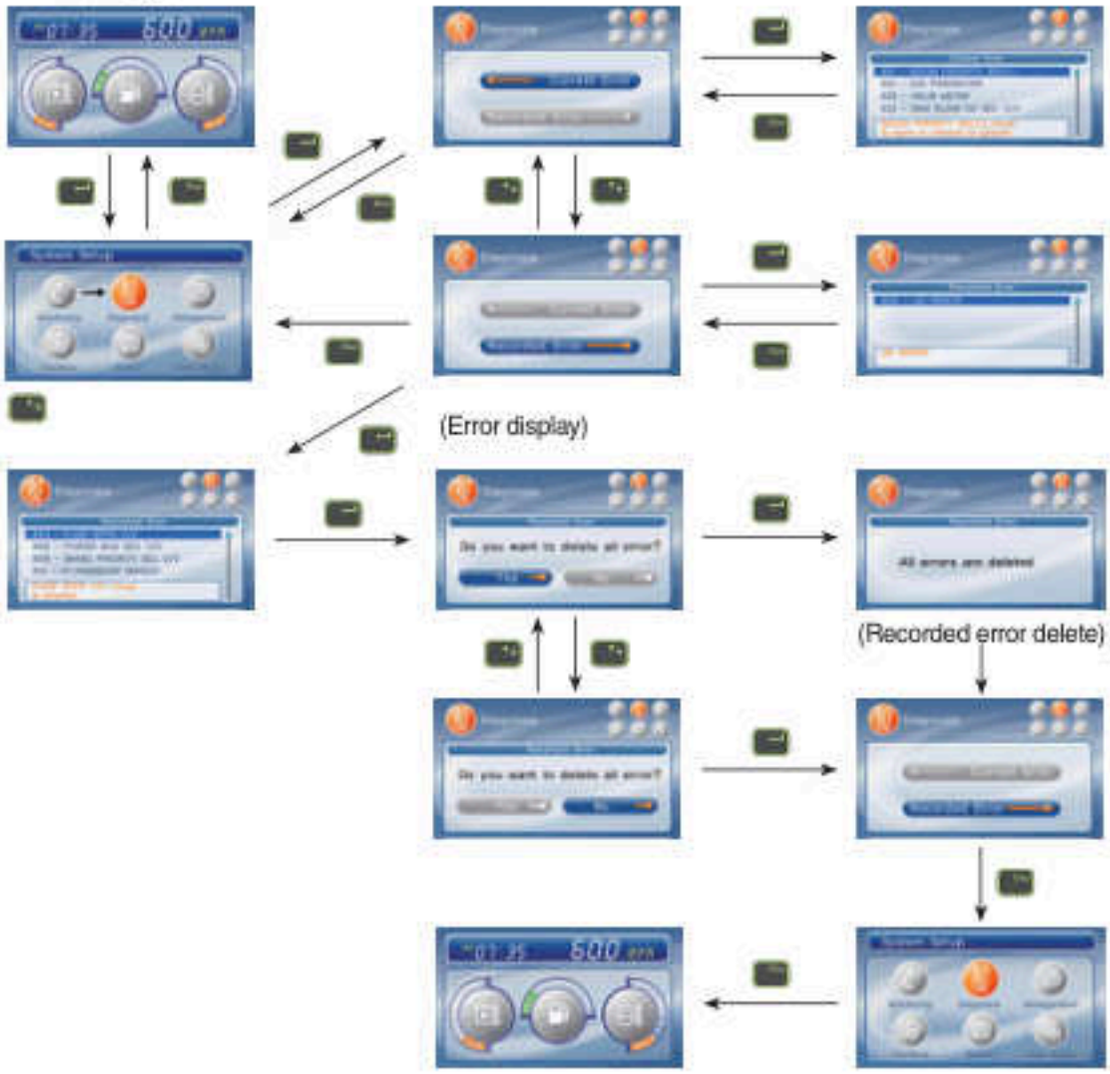
(2) Display map

① Monitoring



② Diagnosis

a. Protocol type 1



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⑤ Install pinion gear (25).
Be careful to check right direction of pinion gear when installing.



⑥ Put lock plate (26) and lock washer (27), matching tap holes and tighten hex bolt (28).
· Tightening torque : 24 kgf · m
(173 lbf · ft)

※ When installing hex bolt (28), be sure to spread loctite 262.



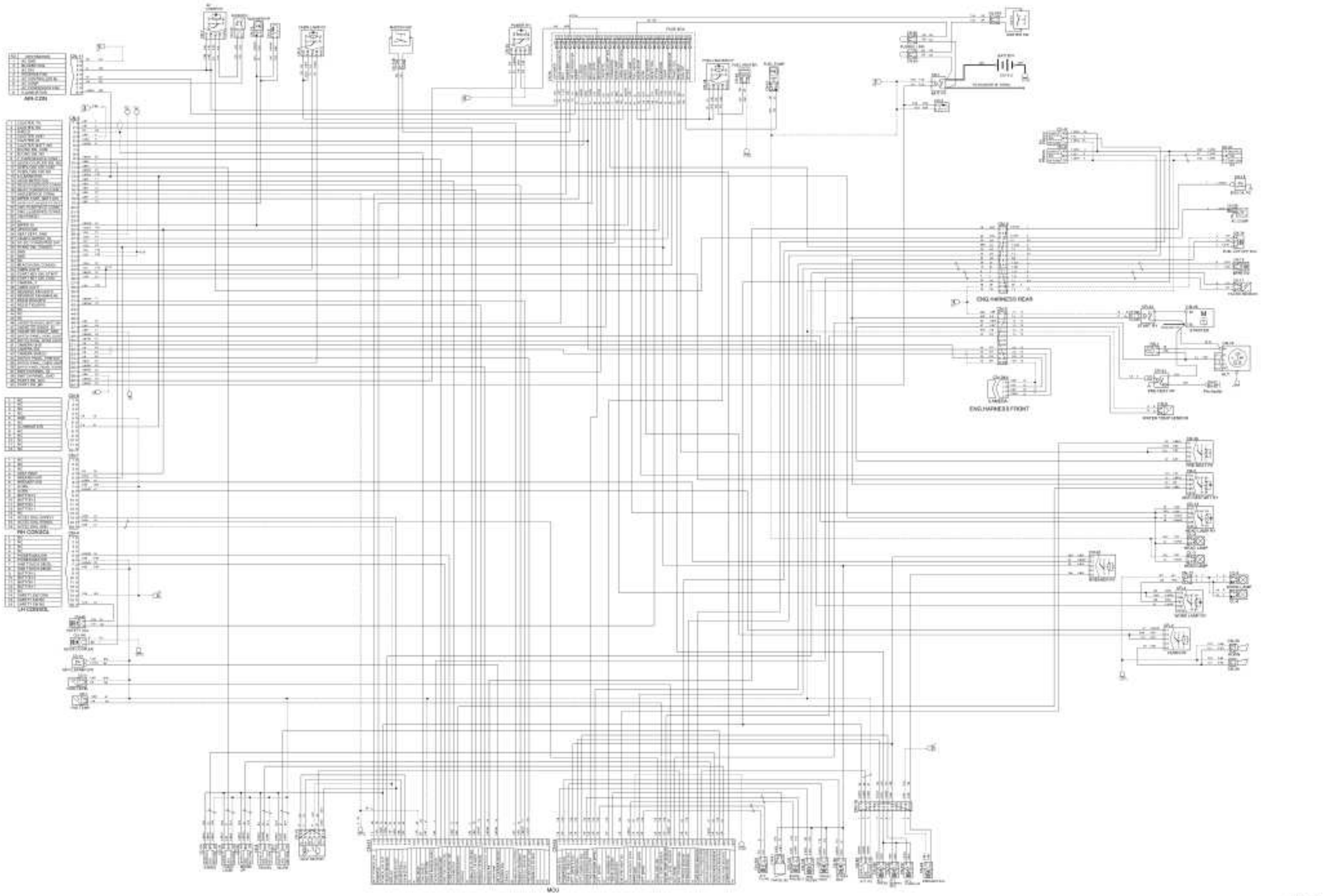
⑦ To lock the bolts (28), bend the lock washer (27) to cover over the bolt head using jig.



⑧ Reverse case (1) and press to insert oil seal (7) by using jig after spreading grease oil on the outside ring of the seal.
Coat grease oil slightly on the lip surface of the oil seal to prevent any scratch when installing.



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