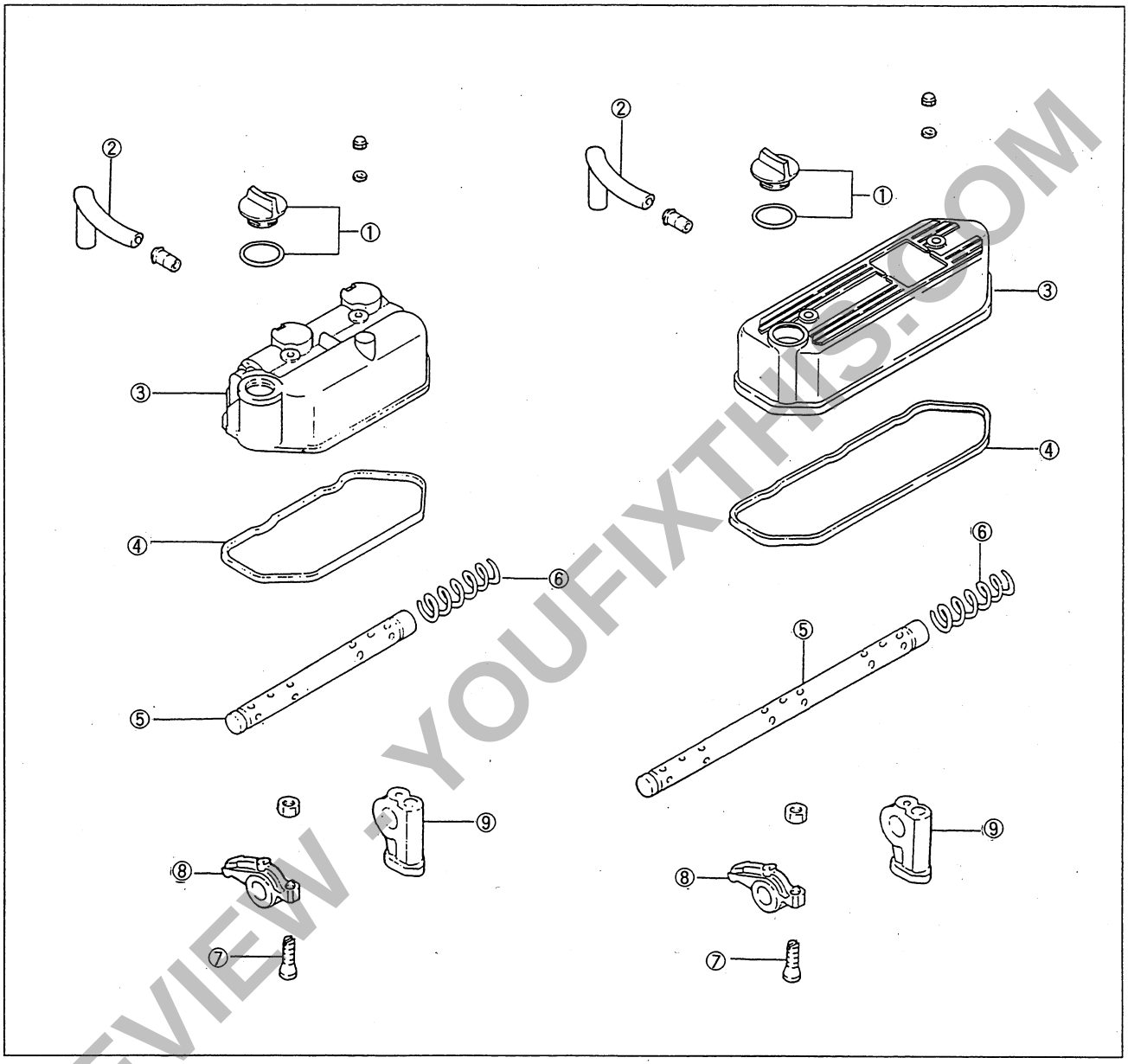
■Construction



Rocker System component Parts

① Oil filler cap	④ Rocker cover gasket	⑦ Adjust screw
② Breather hose	⑤ Rocker shaft	⑧ Rocker arm
③ Rocker cover	⑥ Rocker spring	⑨ Rocker stay

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■Removal

(1) Remove the injection pipe assembly.

Caution

- **When disconnecting each injection pipe from the injection pump side delivery valve holder, grasp the holder with a wrench to prevent it from loosening.**
- **After removing the pipe assembly, plug the nozzle holders and delivery valve holders to prevent intrusion of dust.**

(2) Disconnect the glow plug lead wire.

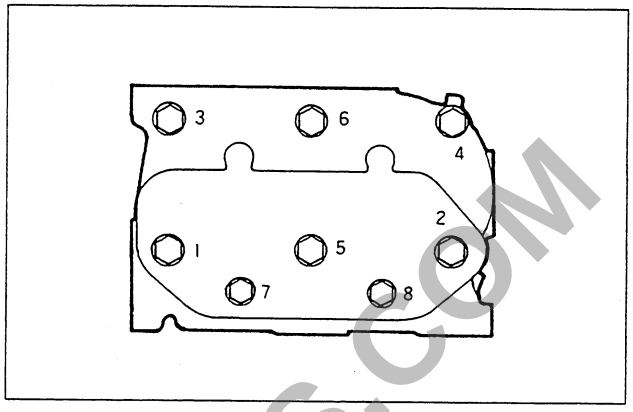
(3) Loosen the alternator bracket bolts and dismount the alternator.

(4) Disconnect the air breather hose.

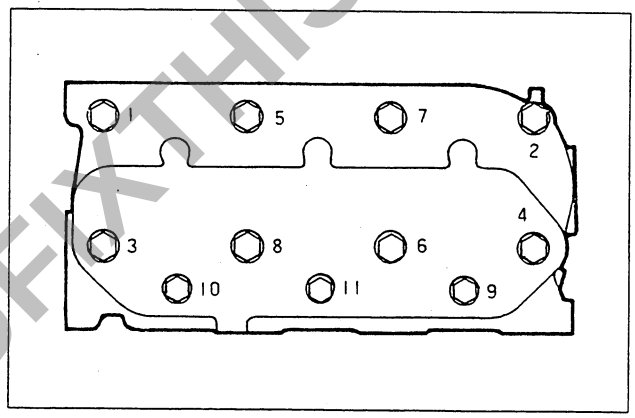
(5) Remove the rocker cover.

(6) Remove the rocker shaft assembly.

(7) Loosen the cylinder head mounting bolts in the numerical order illustrated at right and remove the cylinder head assembly (including the intake and exhaust manifold).



Sequence for Loosening Cylinder Head Bolts (L2)



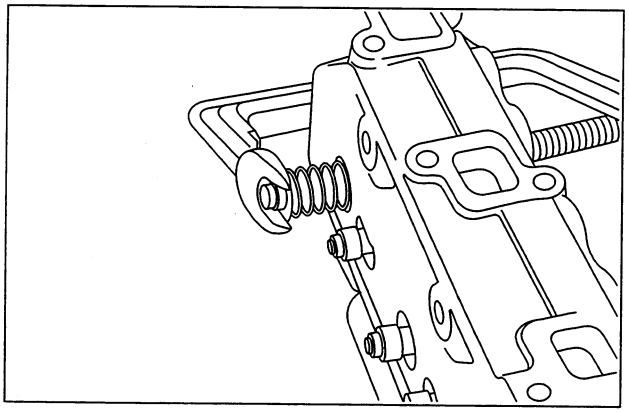
Sequence for Loosening Cylinder Head Bolts (L3)

(8) Remove the cylinder head gasket.
Clean the cylinder head and the cylinder block surface from which the gasket has been removed.

(9) Remove the nozzle holder assemblies and glow plugs from the cylinder head.

(10) Remove the intake manifold and exhaust manifold from the cylinder head.

(11) Remove the valve retainers, valve springs, and valves from the cylinder head.


Removing Valves

Caution

- **When removing each valve retainer, depress the retainer against the valve spring and remove the retainer lock.**
  Identify each valve by putting a mark indicating the number of cylinder from which the valve is removed.

(12) Remove the valve stem seals.

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MITSUBISHI DIESEL ENGINE
L MODELS

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3. FUEL SYSTEM 

4. GOVERNOR SYSTEM 

5. COOLING SYSTEM 

6. AIR CLEANER 

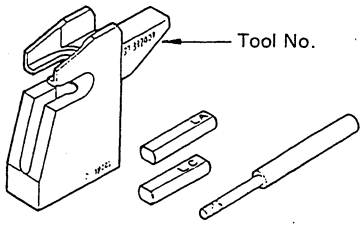
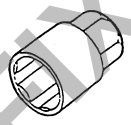
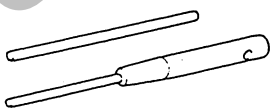
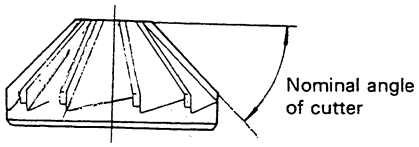
7. ELECTRICAL SYSTEM 

8. SERVICE SPECIFICATIONS AND STANDARDS 

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■Special Tools

Use	Tool name	Sketch	Referential page
Removal and installation of piston pin	Piston pin setting tool ST332400		56 ~ 58
Measurement of cylinder compression	Compression gauge adapter ST332270		20
Removal and installation of oil pressure switch	Oil pressure switch socket wrench (26) MD998054		68
Repair of valve seat	Valve seat cutter pilot Valve seat cutter, 45° Valve seat cutter, 60° Valve seat cutter, 30°	 	37 ~ 38

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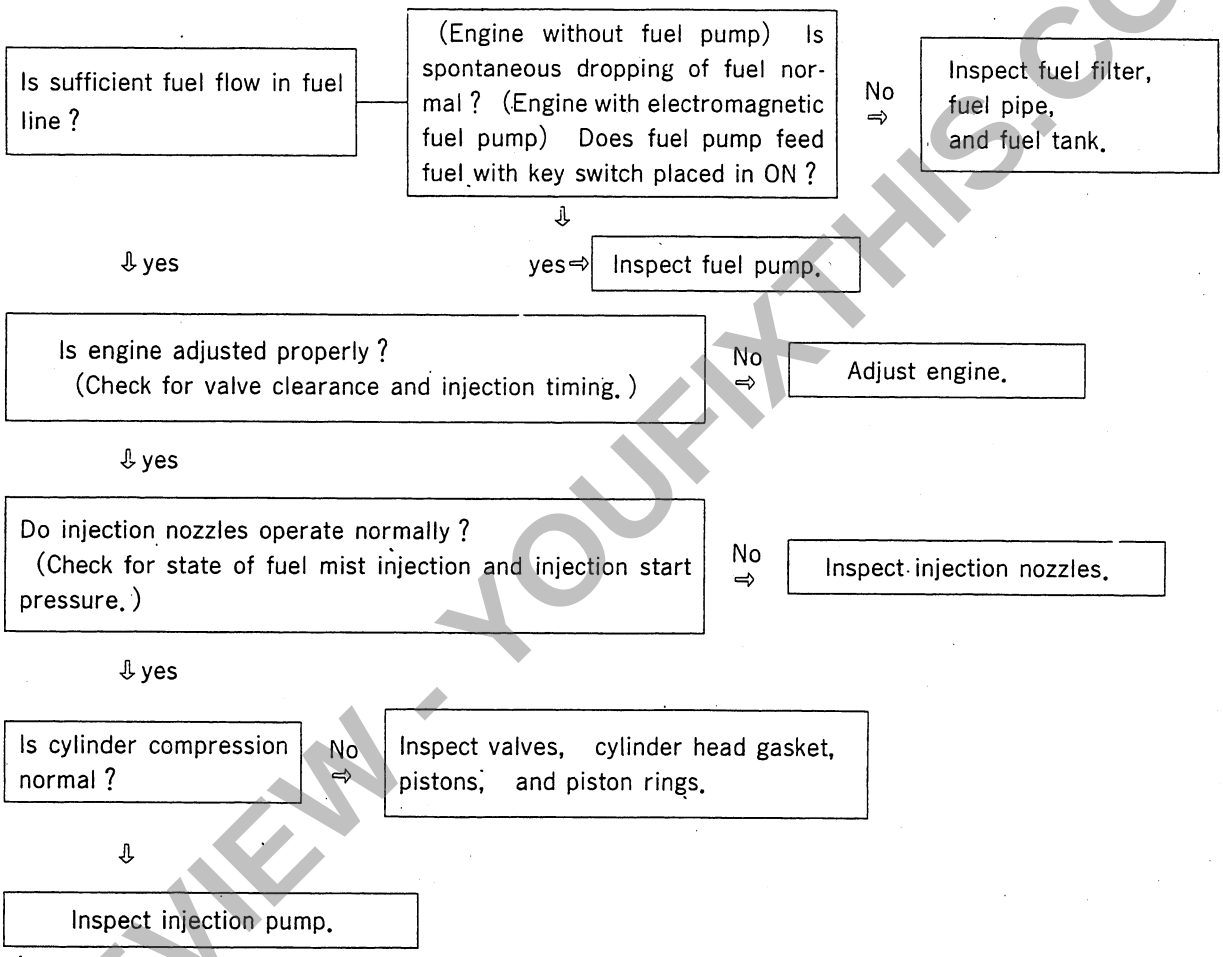
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■Low output

1. Matters to be checked before diagnosis

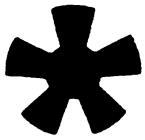
- ● Seizing of engine moving parts.
- ● Too viscous engine oil
- ● Use of poor-quality fuel
- ● Clogging of air cleaner element
- ● Clogging of muffler
- ● Malfunctioning of drive system

2. Diagnosis



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