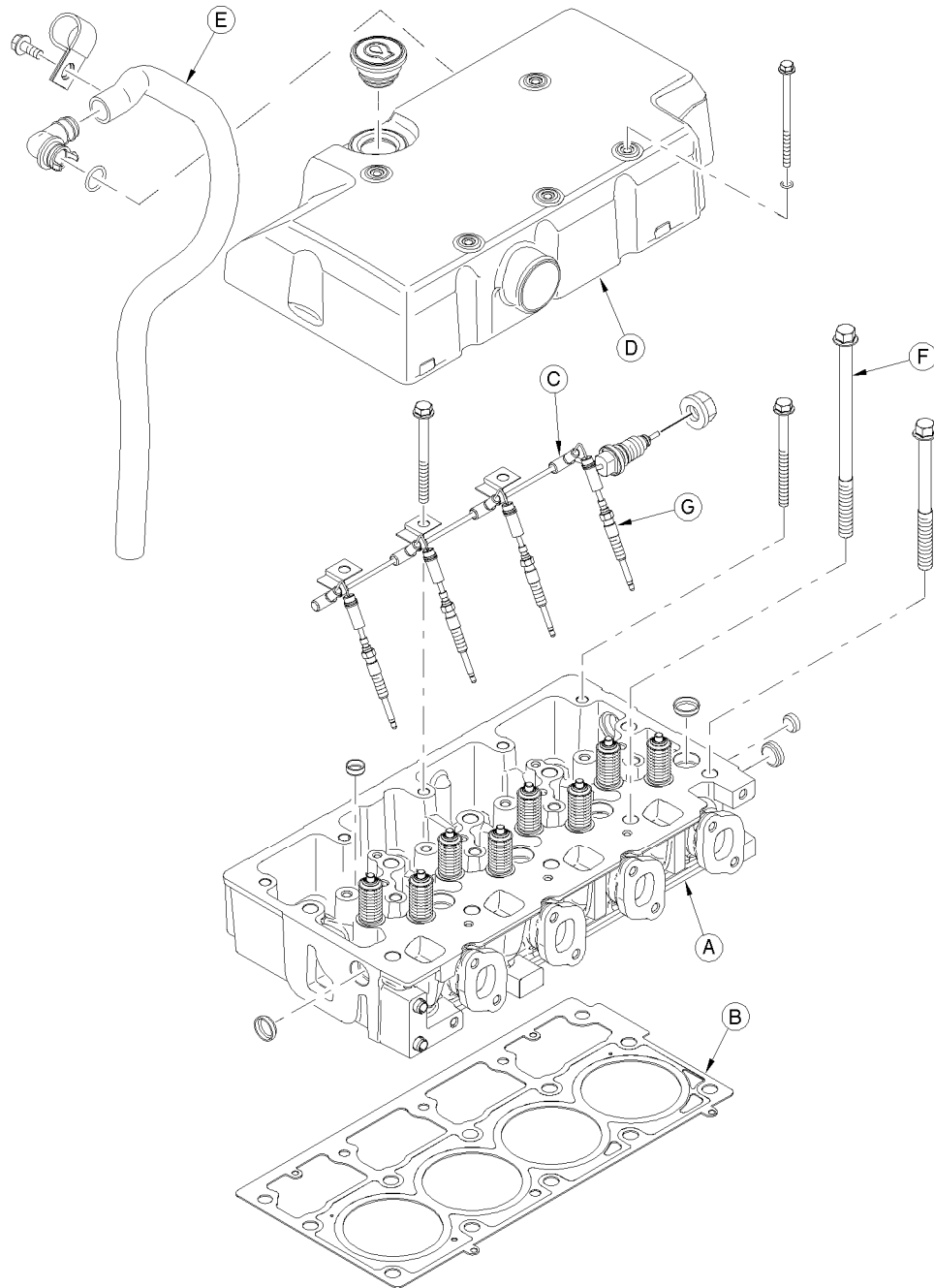


Cylinder Head - Exploded View



RG12251 -UN-06JUN03

A—Cylinder Head
B—Cylinder Head Gasket

C—Glow Plug Wire Harness
D—Rocker Arm Cover

E—Vent Tube
F—Cylinder Head Bolt

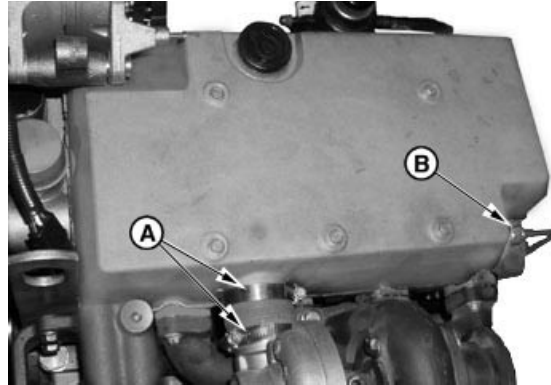
G—Glow Plug

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Remove Rocker Arm Cover

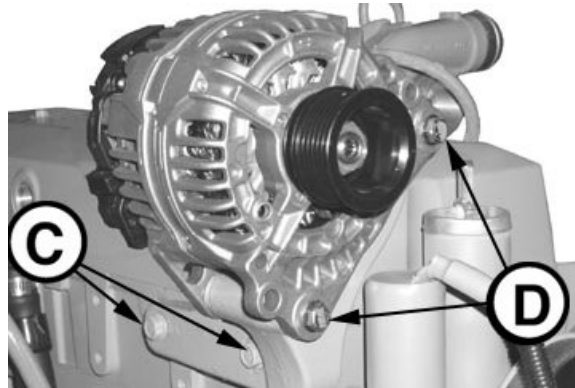
1. Remove poly-vee belt.
2. Remove air intake hose from turbocharger (A).
3. Remove aneroid line (B) from rocker arm cover.
4. Remove alternator. See REMOVE AND INSTALL ALTERNATOR in Group 100.
5. Remove rocker arm cover cap screws (E) and O-rings. Inspect O-rings for nicks and cuts, replace as necessary. Remove rocker arm cover.
6. Clean surface of rocker arm cover of all gasket material and oil. Using a clean rag, cover intake ports on cylinder head and remove gasket material and oil from cylinder head.

A—Turbocharger Intake Hose
 B—Aneroid Line
 C—Alternator Bracket
 D—Alternator Cap Screws
 E—Rocker Arm Cover Cap Screws



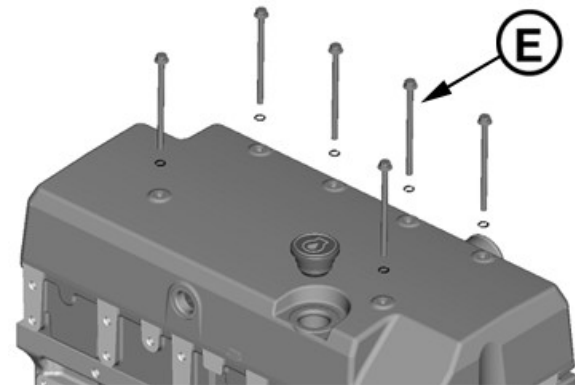
Turbocharger Intake Hose

RG12531 -UN-06JUN03



Remove Alternator

RG12501A -UN-21JAN03



Rocker Arm Cap Screws

RG12532A -UN-21JAN03

RG41183,0000051 -19-05MAR04-1/1

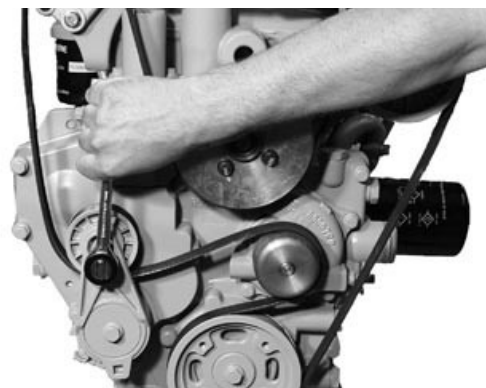
Remove Cylinder Head

It is not necessary to remove engine from machine to service cylinder head on all applications. Refer to your Machine Technical Manual for engine removal procedure, if required.

CAUTION: After operating engine, allow exhaust system to cool before working on engine.

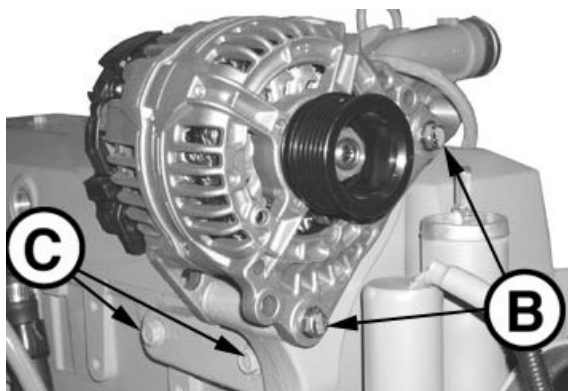
Do NOT drain coolant until the coolant temperature is below operating temperature. Remove radiator filler cap only when the cap is cool enough to touch with bare hands. Slowly loosen cap to first stop to relieve pressure before removing completely.

1. Drain engine oil and coolant.
2. Remove poly-vee belt.
3. Remove alternator (B) and bracket (C).
4. Remove vent hose (D) and P-clamp (E).
5. Disconnect fuel filter inlet line (F) from the fuel supply pump and the fuel filter outlet line (G). Cap connectors to prevent contamination



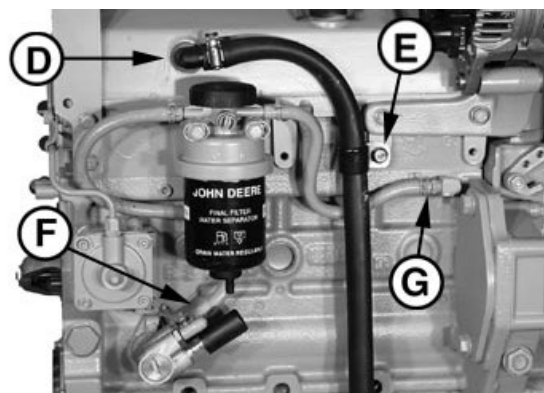
Poly-Vee Belt Removal

RG12502 –UN-12DEC02



Remove Alternator

RG12501 –UN-12DEC02



Remove Vent Hose and Fuel Lines

RG12503 –UN-12DEC02

Continued on next page

RG41183,0000002 –19-05MAR04-1/4

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