

HYDRAULIC LIFTERS (Continued)

(9) Remove rocker arm and lifter assemblies from lifter bores.

INSPECTION

Clean each lifter assembly in cleaning solvent to remove all varnish and sludge deposits. Inspect for indications of scuffing on the side and base of each lifter body.

INSTALLATION

(1) Install rocker arm and lifter assemblies in lifter bores.

(2) Install cylinder head cover/intake manifold (Fig. 32) (Refer to 9 - ENGINE/CYLINDER HEAD/CYLINDER HEAD COVER(S) - INSTALLATION).

(3) Install timing belt inner cover (Refer to 9 - ENGINE/VALVE TIMING/TIMING BELT / CHAIN COVER(S) - INSTALLATION).

(4) Install timing belt (Refer to 9 - ENGINE/VALVE TIMING/TIMING BELT/CHAIN AND SPROCKETS - INSTALLATION).

(5) Install timing belt outer cover (Refer to 9 - ENGINE/VALVE TIMING/TIMING BELT / CHAIN COVER(S) - INSTALLATION).

(6) Install right engine mount (Refer to 9 - ENGINE/ENGINE MOUNTING/RIGHT MOUNT - INSTALLATION).

(7) Install engine cover (Refer to 9 - ENGINE - INSTALLATION).

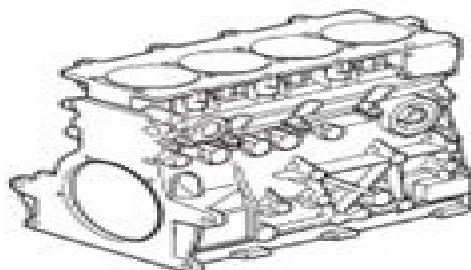
(8) Install front wiper unit (Refer to 8 - ELECTRICAL/WIPERS/WASHERS/WIPER MODULE - INSTALLATION).

(9) Connect negative battery cable.

ENGINE BLOCK

DESCRIPTION

The 2.5L CRD Diesel engine uses a cast iron engine block with wet cast iron cylinder liners (Fig. 33).



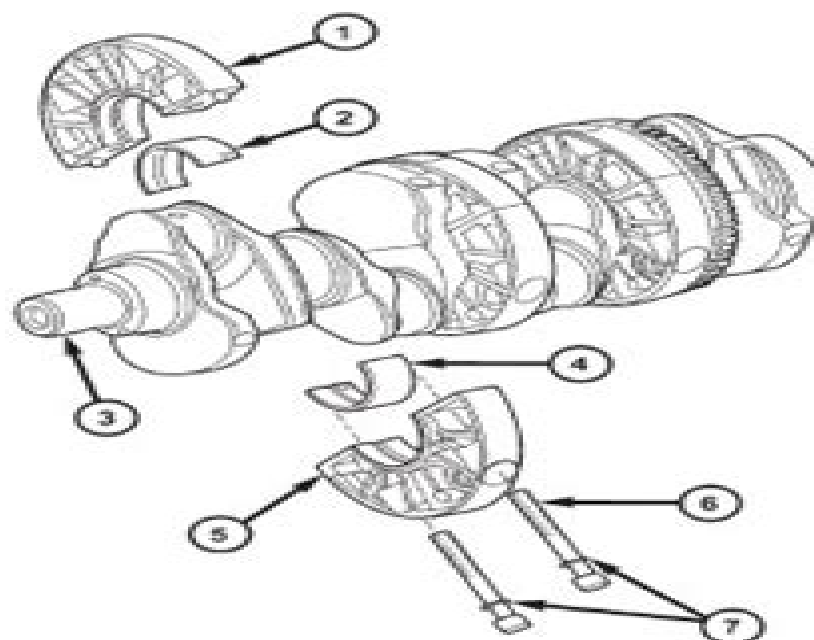
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Fig. 33 ENGINE BLOCK

CRANKSHAFT

DESCRIPTION

The crankshaft is a forged steel type design with five main bearing journals. The crankshaft is located at the bottom of the engine block and is held in place with three main bearing supports (Fig. 34).



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Fig. 34 CRANKSHAFT ASSEMBLY

- 1 - CRANKSHAFT SUPPORT HALVE
- 2 - MAIN BEARING HALVE
- 3 - CRANKSHAFT
- 4 - MAIN BEARING HALVE
- 5 - CRANKSHAFT SUPPORT HALVE
- 6 - MAIN BEARING SUPPORT BOLTS
- 7 - WASHERS

OPERATION

The crankshaft transfers force generated by combustion within the cylinder bores to the flywheel or flexplate.

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PT Brinkman

A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located to the right of the PT Brinkman text.

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Chilton's Dodge Caravan & Voyager 1984-91 Repair Manual, 1991

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