

Cylinder Head Re-Torque Procedure For 2004-2005 Chrysler 2.4L VIN B, J, X, 1 & 8 Engines

The AERA Technical Committee offers the following information on cylinder head re-torque for 2004-2005 Chrysler 2.4L VIN B, J, X, 1 & 8 engines. This information is provided for those who find occasion to re-torque the cylinder head in attempts to resolve slight leakage conditions.

NOTE: This bulletin applies to vehicles equipped with a 2.4L engine (sales code ED1, ED2 or EDZ) built between February 1, 2004 and April 5, 2005 (MDH0405XX). Whenever re-torquing the cylinder head bolt(s), be sure to follow the torque sequence as outlined below.

Additional NOTE: If there are no external signs of damage to any parts, attempt the procedure below before replacing a cylinder head, cylinder head bolts or cylinder head gasket.

1. If hot, allow engine to reach room temperature.
2. Remove radiator cap.
3. Follow the appropriate procedures, remove the cylinder head cover.
4. Using a six inch wobble plus extension friction ball (available from Snap-On) and shallow socket following the torque sequence below, loosen one bolt at a time to 0 torque and then torque that same head bolt to 60 ft/lbs.
5. Repeat step 4 for every head bolt, one bolt at a time, in sequence.
6. Verify that each head bolt is at 60 ft/lbs before performing the next steps.
7. After all head bolts have been verified to be torqued to 60 ft/lbs, follow the torque sequence and turn the head bolts an additional 90° (1/4 turn).
8. Install the cylinder head cover and remaining components; run engine and check for leaks,

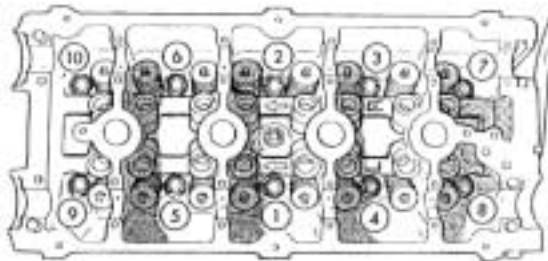


Figure 1. Head Torque Sequence

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