Service Tips for Cylinder Head Removal and Installation, 6.0L DIT, F-Super Duty/Excursion

Refer to the current Workshop Manual procedure for Removal & Installation of the cylinder heads on a 6.0L DIT engine. **Engine removal is not required.**

Note: On Econoline, engine removal IS necessary. Refer to current Workshop Manual procedure.

*Removal of LH cylinder head assembly
Note: Lower rear bolt is retained in place and removed together with the cylinder head assembly.

It may be necessary to slightly compress or deform the insulation blanket to gain tool access in this area.
CAUTION: Make sure the insulation blanket is not damaged (torn, cracked, or fabric separated from the metallic skin) when removing the lower rear cylinder head bolt. If the insulation blanket is damaged, the entire blanket must be replaced.

NOTE: It may be necessary to slightly compress or deform the insulation blanket, to gain tool clearance to remove the lower rear cylinder head bolt.

* LH cylinder head assembly ready for installation with lower rear bolt in position.

Initial torque for the lower rear bolt was obtained using a 3/8"-drive torque wrench. Various conventional tool combinations (1/2"drive ratchet, ratchet head and extension handle or breaker bar and shallow socket) can be used for the additional 90-degree turns required per the Workshop Manual procedure.
* Tightening lower rear bolt on LH cylinder head

CAUTION: Make sure the insulation blanket is not damaged (torn, cracked, or fabric separated from the metallic skin) when installing the lower rear cylinder head bolt. If the insulation blanket is damaged, the entire blanket must be replaced.
NOTE: It may be necessary to slightly compress or deform the insulation blanket, to gain tool clearance to install the lower rear cylinder head bolt.

Tool Examples

Note: The following examples are provided as information only. They are not intended to represent specific tools required to perform the procedure.

The following combination can be used for all head bolts except the lower rear bolt on the LH cylinder head.

- Ratchet Head, ¾" Drive (Snap-on GL872)
- 36" Handle (Snap-on GL872RM)
- Adapter, ¾" to ½" Drive (Snap-on LA2M)
- Shallow 18mm Socket, ½" Drive (Snap-on IMM180)

The following combinations can be used to access the lower rear bolt on LH cylinder head.

Combination 1:

- 18" Breaker Bar, ½"Drive (Snap-on SN18A)
- Shallow 18mm Socket, ½" Drive (Mac VP6)
Combination 2:

- 24" Breaker Bar, ½" Drive (Matco C24FC)
- Shallow 18 mm Socket, ½" Drive (Matco CP18M6A)

Combination 3:

- 24" Ratchet, ½" Drive (Matco CLPF24)
- 18mm Socket (Matco CLP18M6)