



1994-2016 VOLVO 2.3, 2.4, 2.5L I5 DOHC TURBO & NON TURBO M12X1.75 HEAD BOLT THREAD REPAIR.

**FITS MODELS: C30, C70, XC60, XC70, XC90, S40, S60, S80,
V50, V60, V70, 850**

13 M12x1.75x38mm inserts are supplied in this kit (Requires 12 for this application)

***PLEASE READ THE INSTRUCTIONS FOR THE CADILLAC NORTHSTAR
PROVIDED IN THE KIT IN THEIR ENTIRETY BEFORE PROCEEDING.***

******DO NOT RE-USE OLD HEAD BOLTS******

The threads on the old head bolts are often stretched out of pitch from torquing, causing them to tighten prematurely in the new inserts.

The instructions supplied in the kit for the Cadillac Northstar should be followed for repairing the listed engines with the following exceptions:

1. When mounting the drill/tap jig, follow the instructions on pages 3&4 using the TALL spacer provided (1½in. diameter x 2.62in. Long). The recessed end of the tall spacer should be facing upward. If it is necessary to mount the jig to a hole that has just been repaired, make sure to use a new head bolt. Old head bolts may be stretched out of pitch causing them to tighten prematurely in the new insert.
Note: There is a larger diameter alignment pin included in this kit due to the larger hole sizes in the block above the threads. Use the larger alignment pin with the tap bushing to align the jig over the hole being repaired. Once the jig is secured over the hole, remove the alignment pin and tap bushing and replace it with the drill bushing.
2. Drill the holes the total depth of the original holes, making sure to remove all factory threads which will be about 3½ inches (89mm) deep.
3. The inserts are to be installed 1¾ inch (44mm) deep below the deck surface. To accomplish this, you will need to thread the holes 3¼ inches (83mm), deep from the deck surface (see page 4, figure 4).

Note: This kit is universal for many other engines as well since the outside thread size of the insert does not change. Inserts are also available with internal threads of M10x1.25, M10x1.5, M11x1.25, M11x1.5, M11x2.0, M12x1.5 and 7/16-14