



M-2005-GT Ford GT Power Upgrade Kit INSTRUCTION SHEET

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF FORD RACING PERFORMANCE PARTS.

Please contact the Techline for the most current instruction information (800) FORD788.

!!! PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION !!!

POWER UPGRADE KIT INCLUDES:

<u>Item #</u>	<u>Qty</u>	<u>Description</u>
1	1	Pulley
2	1	Motorcraft TA-16 Gasket Maker Tube
3	2	Motorcraft XL-4 Synthetic Supercharger Fluid
4	2	Shims 11mm ID
5	2	Shims 8.26mm ID
6	1	Pro-Cal Tool

NOTE: Before starting this installation, verify that the kit contents are complete.

NOTE: It is necessary to have a Ford GT shop manual to reference. Shop manuals can be purchased from Helm Publications at 1-800-782-4356 or www.helminc.com.

INSTALLATION INSTRUCTIONS:

- STEP 1:** Flash the vehicle with the Pro-Cal tool. Follow the instructions that come with the Pro-Cal tool. When the green indicator light comes on the flash is complete, go to STEP 2. If the green light does not come on, contact the Techline at **1-800-FORD788**.
- STEP 2:** Put vehicle on hoist. Refer to section 100-02 of the shop manual.
- STEP 3:** Disconnect battery ground cable. Refer to section 414-01 of the shop manual.
- STEP 4:** Remove the supercharger. Refer to section 303-12-5 of the shop manual.
- STEP 5:** Put the supercharger on a bench being careful not to scratch the assembly or the gasket surface.
- STEP 6:** Loosen and remove the six (6) snout bolts. Make sure to place a drain pan under this as fluid will leak out.

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Pic. 1

STEP 7: Remove the snout from the supercharger (see Pic. 1).



Pic. 2

STEP 8: Remove the rubber isolator from the snout (see Pic. 2).



Pic. 3

STEP 9: Position the snout in a press by safely putting a "bearing puller" around the pulley and pressing only on the shaft (see Pic. 3).

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Pic. 4

STEP 10: Press the snout out of the pulley (see Pic. 4).



Pic. 5

STEP 11: Position the new pulley on the press (see Pic. 5).



Pic. 6



Pic. 7



Pic. 8

STEP 12: Press the snout onto the pulley by only pressing on the backside of the shaft to avoid bearing damage (see Pics. 6, 7 and 8).

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Pic. 9



Pic. 10

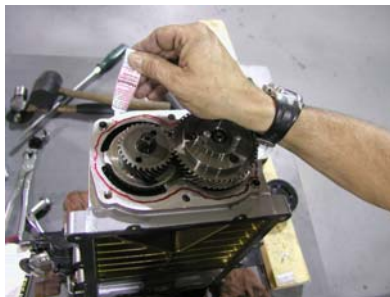
STEP 13: Press the shaft into the pulley until the shaft is flush with the front of the pulley (see Pics. 9 and 10).



Pic. 11

STEP 14: Reinstall the rubber isolator onto the shaft drive (see Pic. 11).

STEP 15: Clean all gasket surfaces.



Pic. 12

STEP 16: Apply sealant (Motorcraft gasket maker TA-16) to the snout assembly (see Pic. 12) and install back onto the supercharger making sure to line up the rubber isolator to the supercharger shaft.

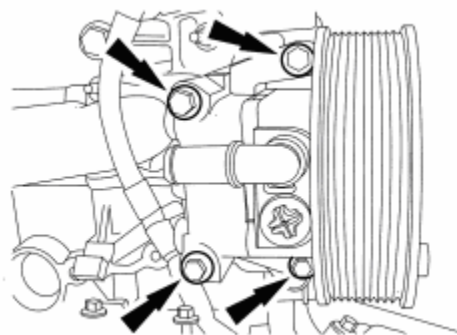
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- STEP 17:** Install the six (6) snout bolts and torque to 25Nm.
- STEP 18:** Clean off excess sealant from around snout assembly.
- STEP 19:** Fill supercharger to the bottom of the fill plug (with the supercharger flat on the table as installed position) with Motorcraft Synthetic Supercharger Fluid (part #XL-4). It will take about 8oz. Reinstall fill plug.



Pic. 13

- STEP 20:** While the supercharger is off and the belt is not under tension, remove the four (4) power steering pump bolts and install supplied shims between the pump and the block (see Pic. 13). This modification is done to allow use of the stock length belt. Be careful to notice that two (2) of the shims have larger holes for the alignment dowels.
- STEP 21:** Reinstall power steering pump bolts and torque to 25Nm.
- STEP 22:** Reinstall supercharger in reverse order by referencing the shop manual. Replace the supercharger gasket if necessary. The gasket can be purchased from a Ford dealer, part number 4G7Z-9H486-AA.

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