



M-7210-B Short Throw Shifter INSTRUCTION SHEET

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

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

OVERVIEW:

This kit is designed for use on the 2007-2008 SVT Mustang. The use of a floor hoist is recommended. If you do not have access to one, use a hydraulic floor jack and jack stands to raise the vehicle.

!!! CAUTION: JACK STANDS MUST BE USED ON A LEVEL SURFACE AND BE SECURELY SEATED. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY OR VEHICLE DAMAGE !!!

REMOVAL INSTRUCTIONS:



Pic. 1



Pic. 2

STEP 1: Remove the gearshift lever knob and boot. Rotate counter clockwise (see Pic. 1).

STEP 2: Remove the upper gearshift lever bolts and the upper gearshift lever (see Pic. 2).



Pic. 3

STEP 3: With the vehicle in NEUTRAL, position it on a vehicle hoist or secure on jack stands (see Pic. 3).

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Pic. 4



Pic. 5

STEP 4: Mark driveshaft-to-transmission flange orientation for reassembly. Then, remove the driveshaft four (4) flange bolts (see Pic. 4).

STEP 5: Using a suitable pry tool as shown (see Pic. 5), disconnect the driveshaft flange from transmission and secure with mechanics wire.



Pic. 6



Pic. 7

STEP 6: Remove the four (4) sub frame cross brace bolts (see Pic. 6) and the sub frame cross brace (see Pic 7).



Pic. 8

STEP 7: Remove the four (4) exhaust bolts and separate exhaust (see Pic. 8).

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Pic. 9

STEP 8: Using a suitable transmission jack, support the transmission (see Pic. 9).



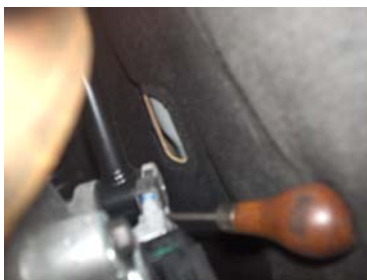
Pic. 10



Pic. 11

STEP 9: Remove the four (4) rear transmission mount outer bolts (see Pic. 10).

STEP 10: Lower the transmission to access shifter and remove the two (2) gearshift lever nuts (see Pic. 11).



Pic. 12



Pic. 13



Pic. 14

STEP 11: To remove the gearshift lever assembly:

- 1) Insert a pick into the lower hole to unlock the clip (see Pic. 12 and line drawing Item 1).
- 2) Rotate the gearshift lever retainers, then remove the retainers (see Pics. 13, 14 and line drawing Item 2).

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Pic. 15



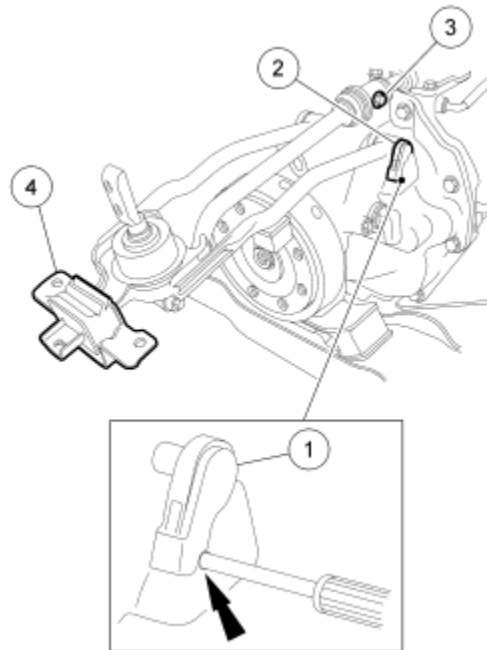
Pic. 16

STEP 12:

To remove the gearshift lever assembly (continued):

- 3) Remove the lower gearshift lever bolt (see Pic. 15 and line drawing Item 3).
- 4) Remove the gearshift lever assembly from the vehicle (see Pic. 16).

SHIFTER REMOVAL LINE DRAWING



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Pic. 17



Pic. 18

STEP 1:

Install new gear shifter in vehicle:

- 1) Reinstall lower gearshift lever bolt (see Pic. 17). Tighten to 40 Nm (30 lb.-ft.).
- 2) Make sure to snap the gearshift lever retainers into the locked position (see Pic. 18).
- 3) Carefully position the gearshift lever into the lower shift boot. Make sure the lever is through the boot.



Pic. 19



Pic. 20

STEP 2:

Install the two (2) rear gearshift nuts and secure (see Pic. 19).

STEP 3:

Install driveshaft-to-transmission flange with four (4) bolts (use thread lock on bolts). Make sure to realign orientation mark and tighten to 103 Nm (76 lb.-ft.) (see Pic. 20).

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Pic. 21



Pic. 22



Pic. 23

STEP 4: Raise transmission into correct location and reinstall the four (4) transmission mount outer bolts (see Pic. 21). Torque bolts to 63 Nm (46 lb.-ft.).

STEP 5: Install the four (4) sub frame cross brace bolts and the sub frame cross brace (see Pic. 22). Torque to 48 Nm (35 lb.-ft.) (see Pic. 23).



Pic. 24



Pic. 25

STEP 6: Join exhaust and install four (4) exhaust clamp bolts and tighten (see Pic. 24).

STEP 7: Install the upper gearshift lever bolts and the production upper gearshift lever (see Pic. 25). Torque bolts to 35 Nm (26 lb.-ft.).



Pic. 26



Pic. 27

STEP 8: Install the production gearshift lever knob and boot (see Pics. 26 and 27).

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TORQUE SPECIFICATIONS:

Upper gearshift lever bolts	35 Nm (26 lb.-ft.)
Driveshaft flange bolts	103 Nm (76 lb.-ft.)
Transmission outer mount bolts	63 Nm (46 lb.-ft.)
Lower gearshift lever bolt	40 Nm (30 lb.-ft.)
Sub frame cross brace bolts	48 Nm (35 lb.-ft.)

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