



**M-9430-C54/C54C
2007 SVT Mustang Cobra Shorty Headers
INSTRUCTION SHEET**

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

Please contact the Tech Line for the most current instruction information (800) 367-3788

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

OVERVIEW:

This kit is designed for use in 2007 SVT Mustang Cobra. 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 !!!

PARTS INCLUDED IN KIT:

- (16) Hex cap screws 8mm – 1.25 x 20mm
- (4) Studs 10mm interference x 10mm – 1.50 x 65mm
- (4) 10mm – 1.50 nuts
- (1) Left header
- (1) Right header
- (2) Header gaskets
- (1) Instruction sheet

INSTALLATION INSTRUCTIONS:

!!! PERFORM THE FOLLOWING WORK ON A COLD VEHICLE ONLY !!!

- STEP 1:** Disconnect battery cable.
- STEP 2:** Remove cable from battery; remove battery and battery tray to allow access to manifold.
- STEP 3:** Remove air cleaner assembly.
- Remove (1) fastener at air cleaner.
 - Remove (1) vacuum line.
 - Disconnect Mass Air Meter.
 - Disconnect PCV.
- STEP 4:** Raise vehicle and support.
- STEP 5:** Loosen clamps located between H-pipe and tailpipe.
- STEP 6:** Remove exhaust manifold to H-pipe nuts (2 per side).

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Factory Ford shop manuals are available from Helm Publications, 1-800-782-4356



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- STEP 7:** Remove lower exhaust manifold nuts and studs (4 per side accessible from underneath).
- STEP 8:** Disconnect CMS sensors located on catalytic converter (1 per side).
- STEP 9:** Disconnect passenger side HEGO sensor located between exhaust manifold and catalytic converter.
- STEP 10:** Remove H-pipe.
- STEP 11:** Disconnect driver side HEGO sensor located on exhaust manifold.
- STEP 12:** Remove steering column pinch bolt at rack.
- STEP 13:** Remove steering column bearing nuts (2) located under dash on firewall.
- STEP 14:** Slide steering column up and off rack.
- STEP 15:** Remove dipstick (1 fastener on cylinder head).
- STEP 16:** Disconnect EGR tube at right hand manifold.
- STEP 17:** Remove upper exhaust manifold nuts and studs (4 per side).
- STEP 18:** Remove exhaust manifolds (removable from underneath).
- STEP 19:** Remove HEGO sensor from driver side exhaust manifold.
- STEP 20:** Install HEGO sensor in driver side header and torque 47.5 N*M +/- 7.2 N*M (35 lb*ft +/- 5).
- STEP 21:** Install driver side header and gasket.
- NOTE: Check clearance at H-pipe flange to bell housing, due to casting tolerance clearance, if necessary.**
- STEP 22:** Torque header bolts to 25 N*M +/- 3.8 (18.5 lb*ft +/- 2.5) (8 per side).
- STEP 23:** Install passenger side header and gasket.
- STEP 24:** Torque header bolts to 25 N*M +/- 3.8 (18.5 lb*ft +/- 2.5) (8 per side).
- STEP 25:** Install dipstick.
- STEP 26:** Torque dipstick fastener to 9.0 N*M +/- 1.4 (6.5 lb*ft +/- 1).
- STEP 27:** Install 10mm H-pipe-to-header studs.
- STEP 28:** Install H-pipe.

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- STEP 29:** Install and torque header to H-pipe nuts to 40 N*M +/- 6 (29.5 lb*ft +/- 4) (2 per side).
- STEP 30:** Position clamps (H-pipe to tailpipe).
- STEP 31:** Torque clamp fasteners to 47.5 N*M +/- 7.5 (35 lb*ft +/- 5).
- STEP 32:** Install steering column on rack.
- STEP 33:** Tighten steering column pinch bolt to 25 N*M +/- 3.8 (18.5 lb*ft +/- 2.5).
- STEP 34:** Install and torque steering column bearing nuts (2) located under dash on firewall to 9.0 N*M +/- 1.4 (6.5 lb*ft +/- 1).
- STEP 35:** Connect HEGO sensors (1 per side) and CMS sensors (2) located on catalytic converters.
- STEP 36:** Install air cleaner assembly.
- Torque fastener at air cleaner to 8.0 N*M +/- 1.2 (6 lb*ft +/- 1).
 - Install vacuum line.
 - Connect Mass Air Meter.
 - Connect PCV.
- STEP 37:** Install battery tray and battery.
- STEP 38:** Connect battery.
- STEP 39:** Start engine and check for leaks.

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