



**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 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 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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- 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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