MM Rear Brake Hose Kit: 1999-04 Cobra (MMBK9R)

These Maximum Motorsports DOT approved braided stainless steel Teflon-lined brake hoses surpass the quality, fit, and finish of anything else in the Mustang aftermarket industry. These hoses provide better performance because their Teflon lining does not expand under pressure like a typical rubber line will. Installing stainless steel hoses will provide quicker braking response, improved modulation and a firmer brake pedal.

Read all instructions before beginning work. Following instructions in the proper sequence will ensure the best and easiest installation.

WARNING

• Do NOT torque any aftermarket brake fluid bolt to the same specification as an OEM brake fluid bolt. Torque the fluid bolts in the MM brake hose kits to 14 ft-lbs. Aftermarket fluid bolts will break if the OEM factory torque specification is attempted.

• Do not attempt to use an OEM brake fluid bolt with an aftermarket brake hose. The banjo fitting on the end of an aftermarket brake hose is thinner than the fitting on an OEM brake hose. The holes in the side of an OEM fluid bolt may be blocked by the aftermarket banjo fitting, reducing the flow of brake fluid. This extra length can also protrude further into the caliper, causing the end of the bolt to interfere with the piston. This may become evident only when attempting to install new brake pads.

• Brake hoses can be easily damaged if proper care is not taken. Make sure all brake hoses are routed away from moving driveline and suspension components, and away from the exhaust. Never let an un-mounted caliper "hang" by the brake hose assembly! Support the caliper by other means, such as hanging it by a wire.

Required Tools

• Pliers

• Ratchet

• 8mm & 10mm Sockets

• Torque Wrench (capable of 14 ft-lb setting)
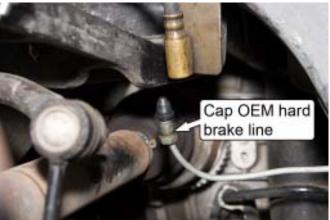
• Extension (assorted, optional)

• 12mm Flare Wrench

Instructions

1. Jack up the rear of the car and support it securely on jack stands. Block the front wheels to prevent the car from rolling.

2. Remove the rear wheels.

3. Starting with the passenger side first, disconnect the brake hard line from the OEM frame rail bracket. Unscrew the flare nut on the brake hard line with a 12mm flare nut wrench to avoid rounding the nut. Use a provided black rubber plug to cap off the hard line to minimize air and contaminants getting into the brake line.

   NOTE: Place a small drain pan beneath the brake hose to catch any brake fluid that may spill and clean up any spilled brake fluid as soon as possible. Brake fluid will damage paint.

Unscrew OEM
hard brake line

Cap OEM hard
brake line

4. Unbolt the OEM frame rail bracket using a 10mm
   socket. Save the bolt for Step 7.

Remove bolt
on OEM brake
line bracket

5. For 2003-2004 Mustang Cobra, unbolt and
   remove the rear upper control arm brake hose
   bracket from the control arm. Use a flat-blade
   screw driver or pliers to help spread the bracket
   legs apart enough to remove it from the control
   arm.

   NOTE: Pre-2003 model year Mustang Cobra
   does not have this bracket.

6. Disconnect the OEM brake hose from the brake
   caliper. Use a 10mm wrench or socket to
   remove the stock fluid bolt.

Remove OEM
fluid bolt

7. Install the passenger side MM Frame Rail
   Bracket where the OEM one was, using the
   mounting bolt saved from Step 4.

   NOTE: There is a driver and passenger side MM
   Frame Rail Bracket. When installed on the
   proper side of the vehicle, the main body of the
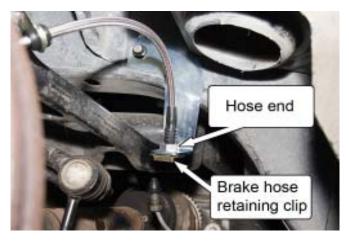   bracket will be forward of the mounting hole.

PASSENGER

DRIVER

Install MM
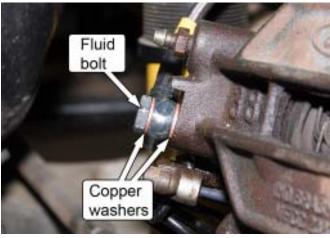bracket with
OEM bolt

Route hose under
control arm

8. Attach one of the supplied MM Stainless Steel
   Brake Hoses to the MM Frame Rail Bracket.
   The hose end fitting with the groove must pass
   through the top side of the hole on the lower end
   of the MM Frame Rail Bracket.

9. The end of the hose has a groove to accept a
   retainer clip. Install the supplied retainer clip in
   the groove with the tab on the clip facing out-
   board and downwards. The brake fitting should
   then be secure.

Fluid
bolt

Copper
washers

Hose end

Brake hose
retaining clip

11. Place one of the supplied MM IRS Control Arm
    Brackets on the front leg of the upper control
    arm with the mounting holes oriented towards
    the top, forward face of arm. Use a pair of pliers
    to squeeze the bracket together so that a bolt
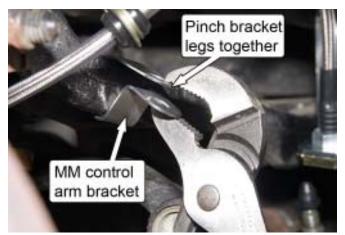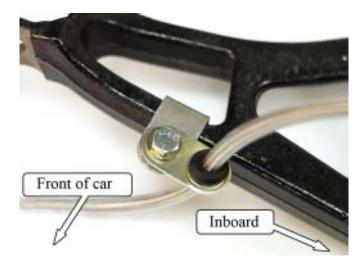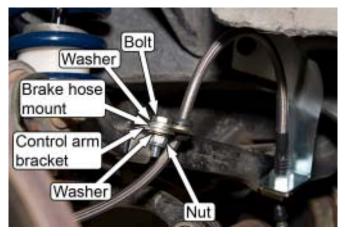   can be passed through the mounting holes.

10. Route the MM Stainless Steel Brake Hose under
    the upper control arm and to the brake caliper.
    Attach the hose to the caliper using the supplied
    fluid bolt and crush washers. Use one crush
    washer on each side of the banjo fitting. Snug
    the fluid bolt by hand for now, as the line may still
    need to be slightly rotated for proper positioning.

Pinch bracket
legs together

MM control
arm bracket

Front of car

Inboard

12. Bolt the metal brake hose mount (preinstalled on the brake hose) to the top side of the MM IRS Control Arm Bracket on the control arm. Use a supplied 1/4" G5 hex bolt, two (2) G8 washers and a G8 nylock nut to secure the brake line. Tighten the bolt until the brake hose mount cannot move.

Bolt

Washer

Brake hose mount

Control arm bracket

Washer

Nut

13. Remove the rubber brake hose plug from the OEM brake hard line and connect it to the end of the MM Stainless Steel Brake Hose retained in the MM Frame Rail Bracket, using a 12mm flare nut wrench, then tighten the fitting.

14. Repeat Steps 3 to 13 for the driver side of the car.

15. Bleed the brake system in the order shown below and check all fittings for leaks. If the front lines are not being replaced at this time, it is not necessary to bleed the front brakes. Consult a service manual for further information on bleeding air from the brake system.

<u>Front of Car</u>

4   3

2   1

16. After bleeding the brake system, re-install the wheels and set the car back on the ground. Torque the lug nuts to the manufacturer's specifications.

<u>This kit includes:</u>

2	MM Stainless Steel Brake Hose
1	MM Driver Side Frame Rail Bracket
1	MM Passenger Side Frame Rail Bracket
2	MM IRS Control Arm Bracket
2	Retainer Clip
4	Copper Crush Washer
2	M10 -1.5 Fluid Bolt
2	Black Rubber Plug
2	1/4-20 x 7/8" G5 Hex Bolt
4	1/4" G8 Washer
2	1/4-20 Nylock Nut