



# ROLL/CONTROL ADAPTER FITTING KIT

For 1983-98 Mustang w/o ABS/1996-2003 Mustang w/ABS (Except w/Bosch ABS)

Part No. 5671516

## INSTALLATION INSTRUCTIONS

Rev 02/24/2020

This kit is to be used in conjunction with the Hurst installation kit #5671510, which is recommended when installing the Hurst Roll/Control #1745000.

**IMPORTANT!** Please refer to the Hurst Roll/Control instruction sheet for additional information. Read it thoroughly and completely. If you do not have an instruction sheet, download one from our website, [www.hurst-shifters.com](http://www.hurst-shifters.com).

**Installation Notes:** Use only SAE-approved seamless steel tubing with double flared ends. We recommend that you use the pre-assembled lengths of tubing supplied in kit #5671510, or purchase the correct lengths from your auto parts store. **Under no circumstances should copper tubing be used for brake lines.** When bending brake lines, use an appropriate tubing bender to avoid kinking or crushing the tubing. Use thread sealer on threaded fittings. A line fitting wrench is recommended for tightening all brake line fittings. **Caution:** The use of an excessive amount of thread sealer can contaminate the solenoid valve or brake system. Use thread sealer sparingly.

Select a suitable location for the Roll/Control unit to be mounted. It must be mounted securely to prevent flexing of brake lines that could cause failures, and away from hot exhaust pipes/headers and moving parts. Choose an accessible area for ease of installing and plumbing the brake lines and fittings.

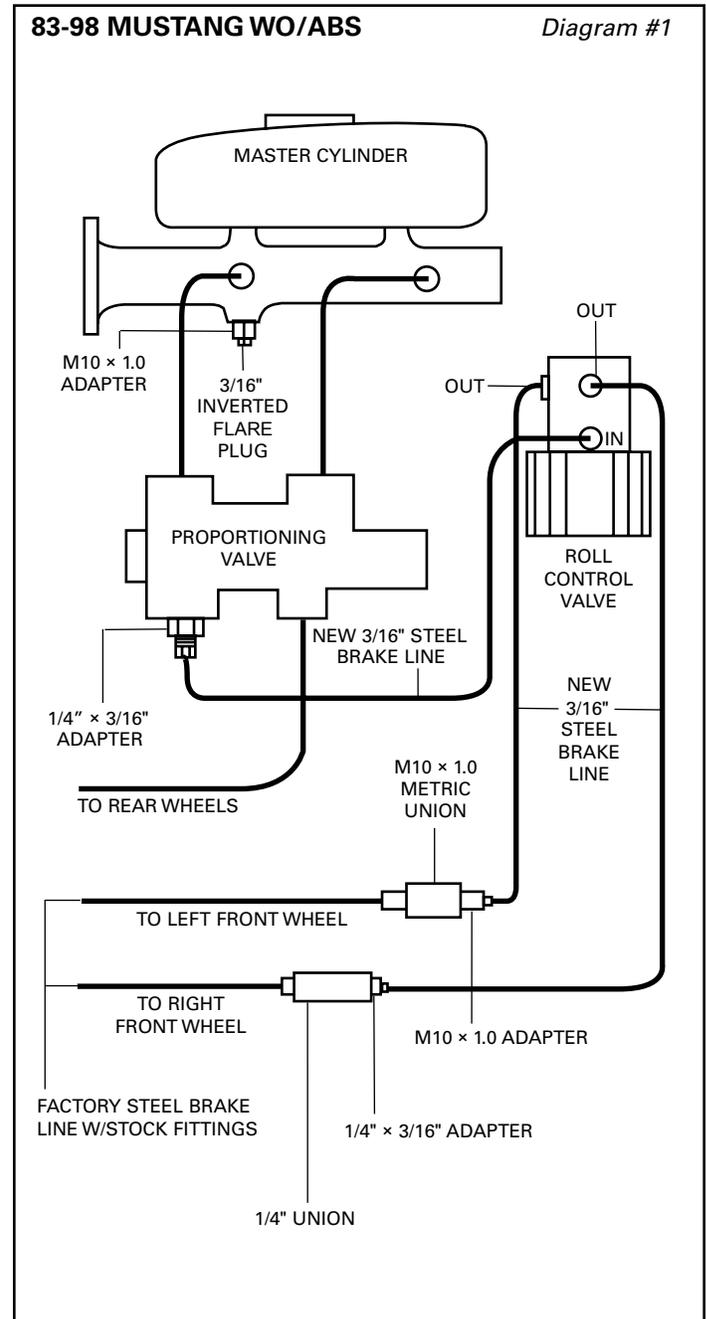
### 1983-98 Mustang w/o ABS: (Diagram #1)

1. Install three (3) adapter fittings (1/8" NPT male to 3/16" SAE female inverted flare), not included, into the threaded "inlet" port and two "outlet" ports on the Roll/Control solenoid valve. The exact fittings used, and their placement into the solenoid valve, depends on your particular installation. NOTE: Plug the remaining "outlet" port on the Roll/Control solenoid valve using a 1/8" brass NPT pipe plug, not included (only two of the three outlet ports will be used).

2. Remove the brake line from the bottom of the master cylinder that goes to the left front brake caliper. Install the M10 x 1.0 adapter fitting (included) into the master cylinder port. Install the 3/16" inverted flare plug (included) into the M10 x 1.0 adapter (this master cylinder port will not be used).

3. Connect an M10 x 1.0 metric union (included) to the brake line that was removed from the bottom of the master cylinder. Install the remaining M10 x 1.0 adapter fitting into the other end of the of the metric union. Connect a standard 3/16" steel brake line to the M10 x 1.0 adapter. Plumb the other end of this 3/16" steel brake line into one of the "outlet" ports on the Roll/Control unit.

4. Locate the brake system proportioning valve, and disconnect the brake line (at the proportioning valve) that runs to the right front wheel. Connect a 1/4" union (included) to this brake line. On the other end of this union, connect the 1/4" x 3/16" adapter fitting (included). Use a standard 3/16" steel brake line and connect it to the 1/4" x 3/16"



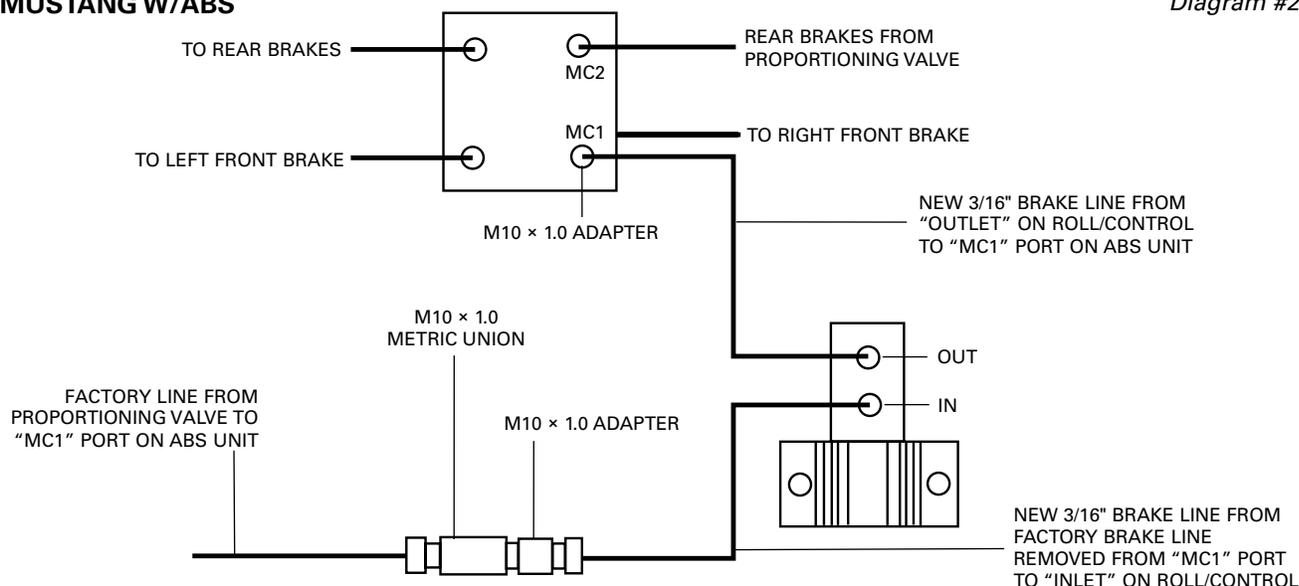
adapter. Plumb the other end of this line to the remaining "outlet" port on the Roll/Control unit.

5. Install the remaining 1/4" x 3/16" adapter fitting (included) into the open port of the proportioning valve. Use a standard 3/16" steel brake line and connect it to the 1/4" x 3/16" adapter. Plumb the other end of this line directly to the "inlet" port of the roll/Control unit.

6. Refer to the **Final Installation Procedure** on reverse side.

## 96-03 MUSTANG W/ABS

Diagram #2



### 1996-2003 Mustang w/ABS (Except w/Bosch ABS Unit): (Diagram #2)

1. Install two (2) adapter fittings (1/8" NPT male to 3/16" SAE female inverted flare), not included, into the threaded inlet port and one outlet port on the Roll/Control solenoid valve. The exact fittings used, and their placement into the solenoid valve, depends on your particular installation. We recommend that you mount the Roll/Control unit close to the ABS unit to keep the brake lines as short as possible. NOTE: Plug the remaining two (2) outlet ports on the Roll/Control unit using 1/8" brass NPT pipe plugs, not included (only one of the three outlet ports will be used).
2. Locate the port on the ABS Control Unit that is marked "MC1." This is the inlet port for the front brakes. Disconnect the steel brake line connected to this port. Install one of the M10 x 1.0 adapter fittings (included) into the port on the ABS unit. Use a standard 3/16" steel brake line, and connect one end to the adapter. Plumb the other end of the brake line to the "outlet" on the Roll/Control unit.
3. Install the M10 x 1.0 metric union (included) onto the brake line that was removed from the ABS unit. Install an M10 x 1.0 adapter fitting (included) onto the other end of the union.
4. Use a standard 3/16" steel brake line and attach one end to the M10 x 1.0 metric adapter fitting on the front brake line. Plumb the other end of the brake line to the "inlet" on the Roll/Control unit.

### Final Installation Procedure

After installation of brake lines and fittings is complete, connect electric wiring of the solenoid according to the instructions included with the Hurst Roll/Control unit.

Bleed all air out of the brake system. Follow vehicle manufacturer's instructions for correct procedure on bleeding the brake system. Be sure to check all connections for leakage under pressure. **THERE MUST BE NO LEAKAGE.**

Before driving the vehicle, completely check the brake system for proper operation, and be sure that you have a good solid brake pedal. Test the Roll/Control system several times to be sure that it operates correctly (refer to operation section of Hurst Roll/Control instruction sheet).

**Technical Service:** A highly trained technical service department is maintained by Hurst to answer your technical questions, provide additional product information and offer various recommendations. See your local retailer of Hurst products for specific prices. For best results, technical service calls, correspondence and warranty questions should be directed to:

**Hurst Performance**  
Phone: (866) 464-6553

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