



Installation Instructions
Part No. 5671518
Hurst Roll Control
For 2010-2015 Chevrolet Camaro

WORK SAFELY: Perform this installation on a good clean level surface for maximum safety and with the engine turned “off”. Apply parking brake and place blocks or wedges in front of and behind both rear wheels to prevent movement in either direction.

CAUTION: To avoid any possibility of bodily injury or damage to vehicle, do not attempt installation until you are confident that the vehicle is safely secured and will not move.

WARNING: The Hurst Roll Control is designed primarily for high performance race cars to momentarily (maximum of 60 seconds) keep the front brakes engaged while staging for a drag race. It will not safely function as a long term brake holding device. It should never be used as a temporary brake holding device in place of a parking brake or of a driver depressing the brake pedal. The Hurst Roll Control is recommended for use during closed track events and competitive driving venues **ONLY!**

IMPORTANT: It is important to note that these instructions contain certain cautions and warnings that must be observed in order to reduce the risk of improper installation that could render the vehicle unsafe and result in possible serious bodily injury. If you are not qualified or experienced at performing this type of installation, we strongly recommend that you have the Hurst Roll Control installed by a qualified and certified automotive mechanic.

Do not allow dirt or foreign matter to contaminate the system. This Hurst Roll Control solenoid valve is installed in the front brake system for momentary (maximum of 60 seconds) holding. The solenoid valve will not interfere with normal brake operation when properly installed and operated in accordance with directions provided. Allow vehicle to cool before beginning installation.

TOOLS

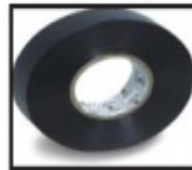
7/16", 9/16", 15mm,
13mm Wrench



Ratchet/Extension



Electrical Tape



PTFE Thread Tape



Wire Stripper /
Crimper



7/16", 11mm, 13mm Socket



Clean Rags

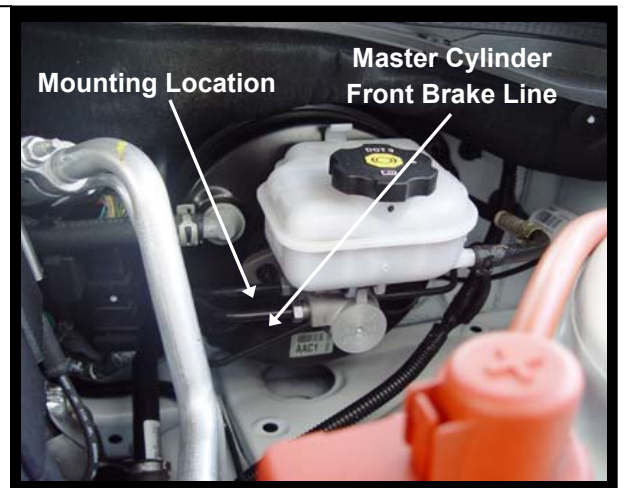


PARTS



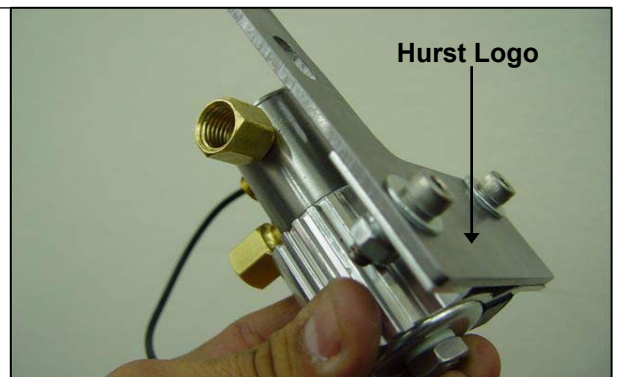
BRAKE LINE INSTALLATION

1. Identify the mounting location of solenoid and the Master Cylinder front brake line within the engine compartment.



2. Attach mounting bracket to solenoid as shown. Apply a few drops of high-strength thread locker (Permatex red or equivalent) to bolt threads. Place one 1/4-20 bolt, 1/4" flat washer, 1/4" lock washer, and 1/4-20 nut on each hole and fully tighten to 20Nm (15 ft-lbs).

TOOLS: 7/16" Wrench, Ratchet, 7/16" Socket



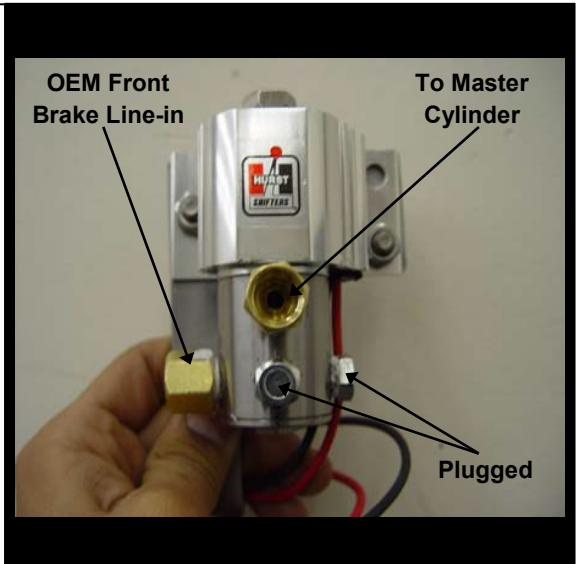
3. Tighten the provided adapters and plugs to solenoid as shown.

TOOLS: 15mm Wrench, 11mm Wrench

NOTE: Use PTFE thread tape to ensure a leak-proof seal.

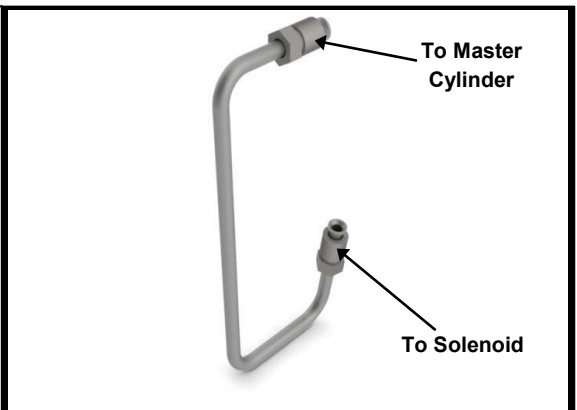
CAUTION: Using an excessive amount of thread tape can contaminate the solenoid valve or brake system. Use tape sparingly.

If solenoid body loosens while tightening adapters/plugs. First, make sure ports are correctly aligned and then use a 9/16" socket to re-tighten top solenoid nut.



4. Ensure that the new brake line routing is understood prior to installation. However, DO NOT attach lines to solenoid at this time.

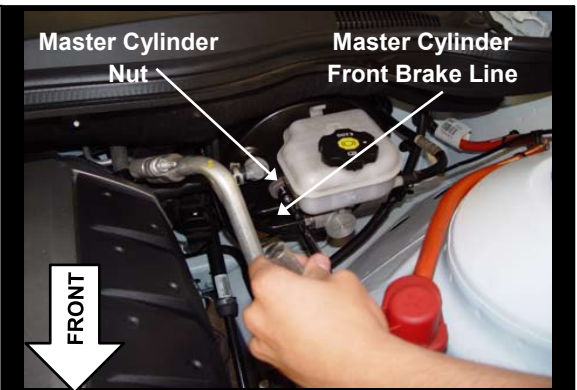
NOTE: Using PTFE thread tape on flare fitting threads is generally not recommended, however, if used do not cover any portion of line opening with tape.



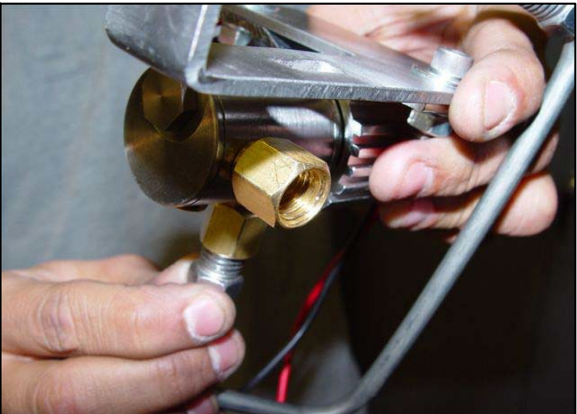
5. Remove left Master Cylinder nut from Master Cylinder.

TOOLS: 13mm Socket, Ratchet, Extension, 13mm Wrench

NOTE: Avoid spilling brake fluid, especially on painted and/or plastic surfaces. Remove any and all excess brake fluid immediately with a clean rag.



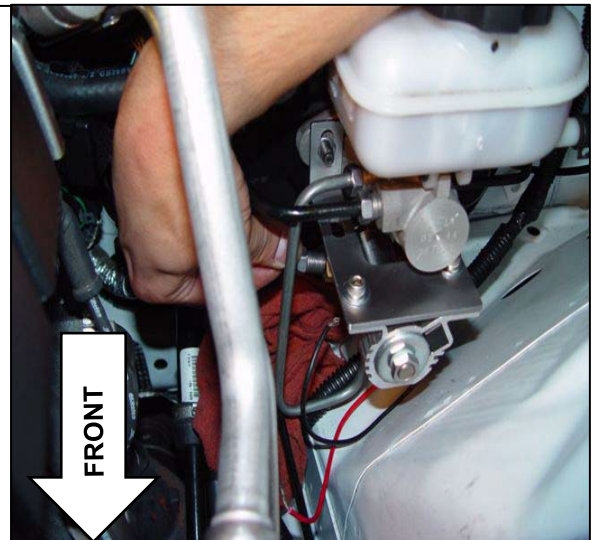
6. Install the Hurst Roll Control brake line to solenoid, however, do not completely tighten fittings at this time to allow for minor adjustments.



7. Install Hurst Roll Control system and bracket assembly.

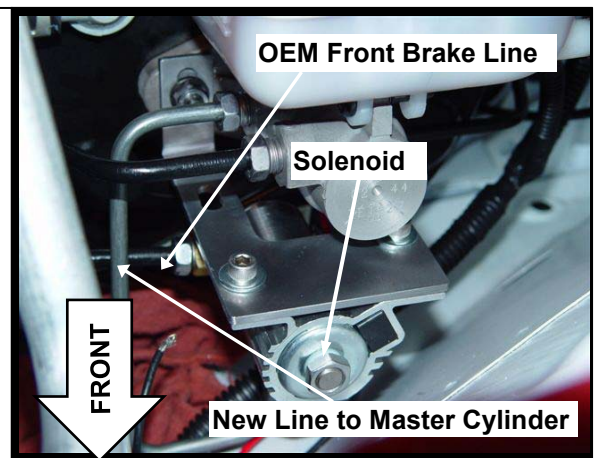
Recommended Installation Method: Push OEM brake line down to allow mounting bracket hole installation onto the Master Cylinder stud. Thread OEM brake line into the adapter, finger tight. Thread Hurst brake line into Master Cylinder. Thread nut back onto Master Cylinder stud. (Slight adjustment (bending/flexing) of lines may be required for proper alignment) Once lines are aligned, tighten all flare fittings. Tighten the master cylinder nut to 25Nm (18 ft-lbs). **DO NOT OVERTIGHTEN AS THIS WILL CAUSE LEAKS.**

TOOL: 13mm Wrench, Ratchet, 13mm Socket. (A short wrench may be needed to tighten flare fittings.)



8. **BEFORE OPERATING VEHICLE:**

- Bleed ALL (back, then front on both sides) brakes by following manufacturer's service manual guidelines (front brakes will usually have the most air).
- Make sure all fittings are fully secured.
- Verify no leaks are present, **THERE SHOULD BE NO LEAKAGE.** The brake pedal should be firm with a solid feel. If brake pedal slowly compresses to the floor, there is a brake fluid leak and/or air in system. Check and re-bleed if necessary. Do not operate vehicle if leaks and/or air in the lines is present no matter how minor.



WIRING INSTALLATION

NOTE: The Hurst Roll Control Solenoid Valve is designed for 12V DC operation only. For added safety, two switches (arming and activation) are provided in this kit. Following the wiring recommendation properly will prevent accidental engagement of the Hurst Roll Control system.

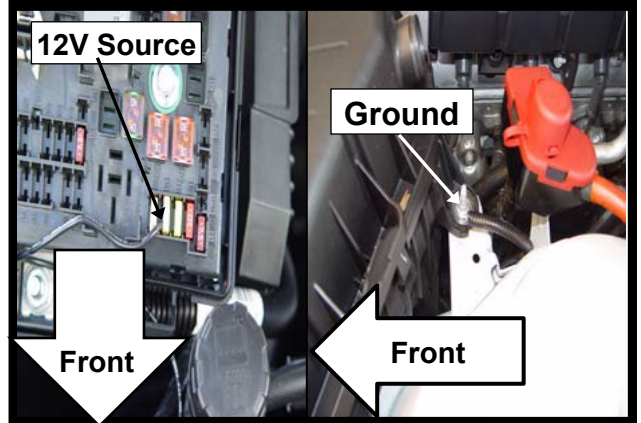
Disconnect negative (-) battery terminal. If more wire is needed than what is provided, use insulated 18 AWG automotive wire to assure good electrical connection and conductivity. Wiring should be as neat and direct as possible. **DO NOT** connect wiring in such a fashion as to apply added stress or excessive stretch to wires. Use convoluted sleeve to protect wires, keep wiring away from sharp edges/corners, hot engine, and exhaust components. Join all splices by using the provided connectors/terminals and wrap each splice/connection with an adequate grade of electrical tape. A fuse holder with a 4-amp fuse is provided (see wiring diagrams for wiring details on page 8) and should be incorporated into the wiring circuit. The fuse can protect the electrical system in the event of a short circuit.

9. *Suggested Ground AND 12V Source:*

Ground: Attach 5/16" eyelet connector to black wire of solenoid and ground wire to an appropriate grounding location.

12V Source: Splice into an appropriate 12V source at the fuse box or within an available wiring harness.

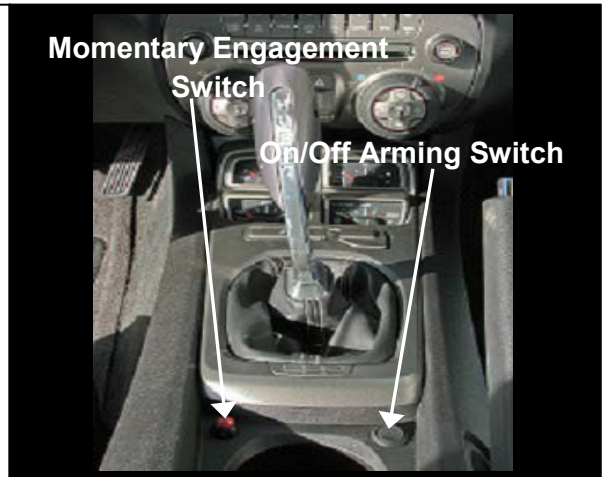
(See wiring diagram on page 8.)



10. Pass wiring through existing access points (one is located on the driver's side firewall). Avoid allowing wires to chafe by using the existing or a new grommet.



11. Mount switches in desired location (usually within reach of the driver) and ground momentary switch to an appropriate grounding location with provided 5/16" eyelet.



12. Reconnect battery and turn ignition switch to the “ON” position. While still in park and NOT depressing your brake pedal, activate and engage your Hurst Roll/Control system (make sure you can hear the clicking of the solenoid) several times and check fuse. If fuse is burned, check all electrical connections for a short and correct any problems immediately.

CAUTION: Before driving vehicle, completely check the brake system for proper operation. Check all connections under pressure for leaks and be sure that you have a good solid brake pedal (bleed brakes again to get a firmer brake pedal). On a flat level surface, Test the Roll Control system several times to be sure that it operates correctly. Be sure that the proper two wheels have the brakes engaged when the Roll Control is actuated and that all four wheels are free when the Roll Control switch is released.



Basic Switch Operation

System Arming: Turn on the rocker switch, the momentary switch will light to indicate the Hurst Roll/Control system is ready or “hot”.

Solenoid Engagement: Depress and hold momentary switch (Do not hold for more than 60 seconds).

See “Hurst Roll Control Operation” for competition use.

Caution: Holding the solenoid valve closed for more than 60 seconds can cause the fuse to burn-out, permanently damaging the solenoid valve, and/or result in other damage. De-activate (switch off) arming switch when the Hurst Roll Control is not in use to prevent accidental engagement.

13. Before executing a burnout, turn OFF your Traction Control/StabiliTrak by pressing and holding the button shown. The “Traction Control Off / StabiliTrak Off” light will illuminate. **While performing a burnout the “Service StabiliTrak” dash light might turn on. This is normal! De-activate (switch off) the Hurst Roll Control, press the Traction Control / StabiliTrak button and/or restarting the vehicle will remove the light and turn on your Traction Control system.**

Note: Turn ON your Traction Control / StabiliTrak when not using the Hurst Roll Control.

Warning: Performing a burnout without the Traction Control/StabiliTrak off can damage the vehicle. Also, avoid excessive loading of the clutch, flywheel, and other drivetrain components.



OPERATION INSTRUCTIONS

To actuate the Hurst Roll/Control system (BURNOUT):

1. With the Traction Control/ESP OFF, fully depress and hold the brake pedal.
2. Arm the Hurst Roll Control system by depressing the rocker (arm) switch to the "ON" position (the engage button switch should illuminate).

Complete the next steps within 60 seconds.

3. Hold the illuminated button switch down and keep it held down until step 7 below.
4. Release the brake pedal.

The front brakes will now be locked and the rear wheels un-locked and free to spin.

5. Automatic Vehicles- sharply step on the gas pedal.

Manual Vehicles- raise the engine speed to a moderate level and smoothly but quickly release the clutch.

The rear wheels should now be spinning and the vehicle should be stationary if the above steps have been performed correctly.

6. Modulate the gas pedal to control the amount of wheel spin.
7. Release the illuminated button switch and allow the vehicle to "drive-out" of the burnout.
8. Be prepared to ease off on the gas pedal and press the brake pedal if necessary.
9. Disarm the Hurst Roll Control system by depressing the rocker switch to the "OFF" position (the engage button switch should no longer be illuminated).
10. Press the "ESP off" button again and/or restart vehicle to turn on your Traction Control system.

To actuate the Hurst Roll/Control system (LAUNCH CONTROL – *Automatic Vehicles Only*):

1. With the vehicle staged fully, depress and hold the brake pedal.
2. Arm the Hurst Roll Control system by depressing the rocker (arm) switch to the "ON" position (the engage button switch should illuminate).

Complete the next steps within 60 seconds.

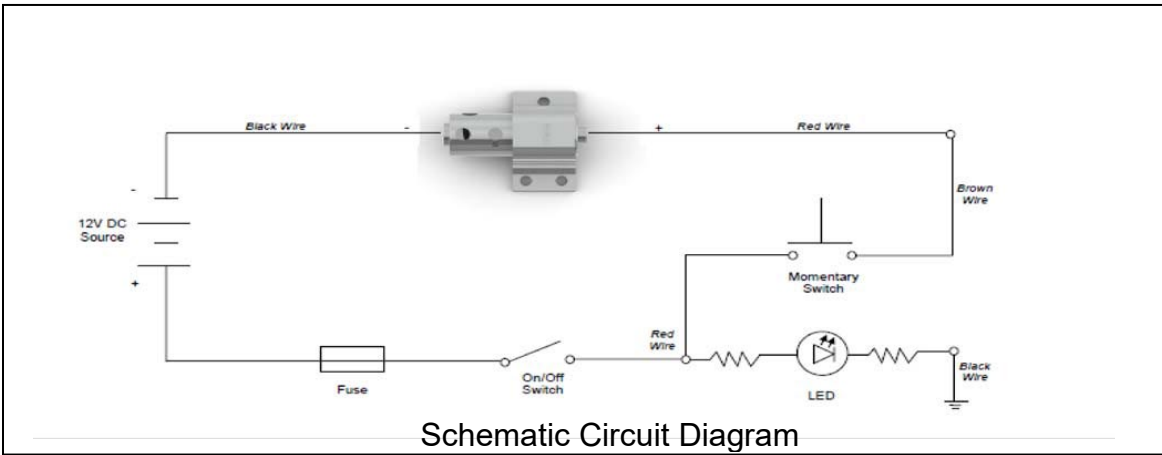
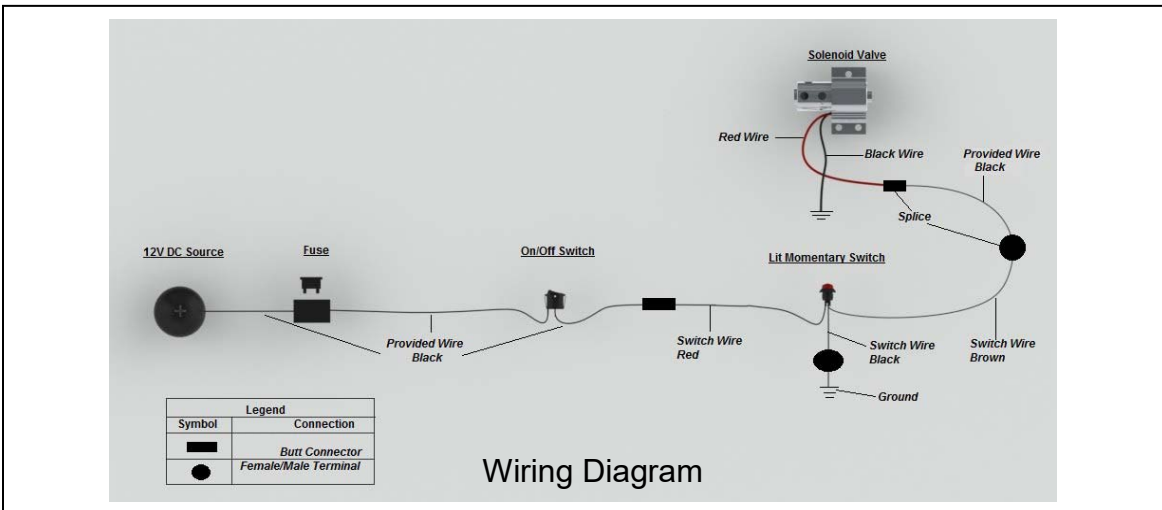
3. Hold the illuminated button switch down and keep it held down until step 6 below.
4. Release the brake pedal.

The front brakes will now be locked and the rear wheels un-locked and free to be loaded.

5. Slowly and smoothly step on the gas pedal to load the torque converter and drivetrain just prior to wheel spin (this step may take some practice).

6. GO! - Release the illuminated button switch and modulate the gas pedal as the light turns green/flag drops/etc. to hard launch the vehicle forward.

7. Be prepared to ease off on the gas pedal and press the brake pedal if necessary.
8. Disarm the Hurst Roll Control system by depressing the rocker switch to the "OFF" position (the engage button switch should no longer be illuminated).



IMPORTANT: RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE

