



Performance Engineered Driveline Components

Line Launch System Installation Instructions

The McLeod Racing Line Launch System will allow you to hold the clutch in at the starting line and release the clutch when you release the switch. This system is engineered to operate with hydraulic clutch linkage only. The purpose of this system is to improve reaction time when drag racing. It is quicker to release a switch than it is to let your foot off the clutch pedal. .

- 1) Determine a location on the vehicle to mount the Line Launch System. Usually near the clutch master cylinder works best. **The McLeod Line Launch System must be mounted vertically as pictured!** Be sure to leave space for hydraulic lines and electrical connections. We recommend hard lines or high pressure braided stainless lines. The Line Launch system comes equipped with AN-4 male fittings.



- 2) Route a line from the clutch master cylinder to the inlet on the Line Launch (M/C IN). Route another line from the Line Launch (M/C RETURN) to the master cylinder reservoir. Route a line from the (SLAVE OUT) port to the hydraulic slave cylinder (This may be the existing line). Tighten all

fittings, bleed the system using **DOT 3 or 4** fluid and check for leaks. At this point the hydraulic slave cylinder will function normally.

- 3) Switch wiring is very simple. Run the power to the solenoid and install an on/off switch on the ground wire leading to your Roll Control switch. You will also need to wire your Roll Control in the same manner as you did the Launch Control, (Ground wire to the switch and the POWER WIRE to the Roll Control solenoid). Determine a comfortable location for the switch (Steering wheel or Shifter knob). A 20 amp in-line fuse is recommended to protect the system from overload or short. 18 AWG wire is recommended for all connections. This wire diagram is intended to use the switch as a ground source; there will always be power to the solenoids. When the switch is turned on, it will allow the ground source to complete its path to the Roll Control switch. Now when the Roll Control switch is pressed it will ground both of the circuit and energize the solenoids Route a ground wire from the Roll Control switch to a good ground source, not a painted surface! A chassis component, frame or other uninterrupted ground location is best. Be sure the wires are protected from heat sources and moving components. Engage the switch and you will hear an audible click from the Line Launch. You should also hear the Line Lock engage as well.
- 4) To operate the Line Launch press the clutch pedal and engage the system by pressing the switch button. Lift your foot off of the clutch pedal and the clutch will remain disengaged. If the clutch begins to engage before you release the switch button you may have air in the system or a leak. Bleed the system to be certain there is no air in the lines or throw out bearing assembly. Recheck the clutch master cylinder reservoir to be sure the system has enough fluid to operate properly. **With the button pressed and the clutch released you can immediately engage the clutch by releasing the switch button. Clutch engagement is immediate and 100% engaged! It is not a slow or timed engagement. Be ready for the clutch to completely engage.**

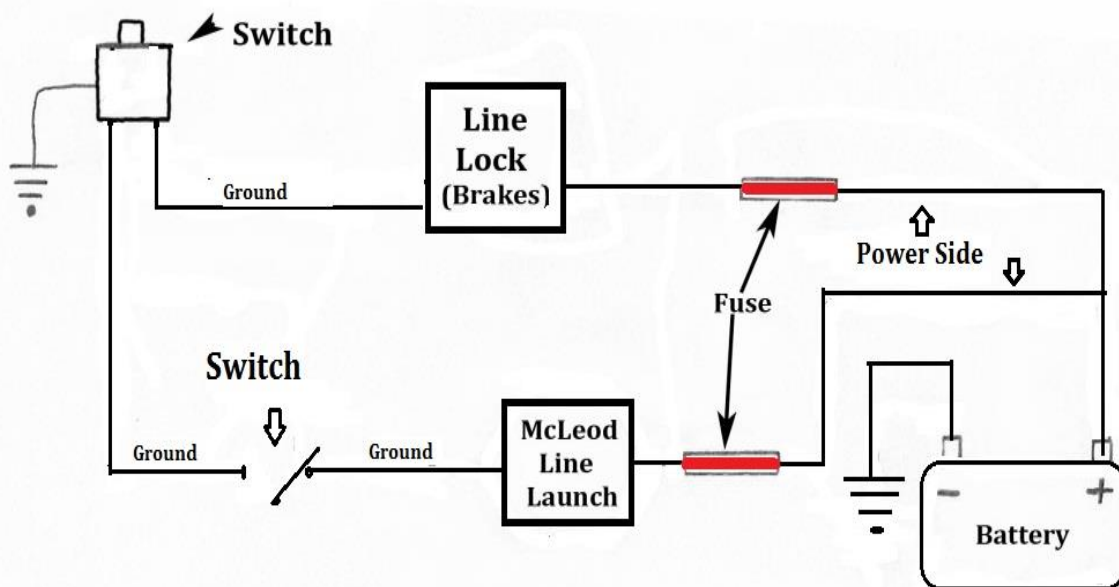


Figure 2

Limited Warranty

McLeod Racing LLC, products are warranted to be free from defects in material and workmanship for the period of ninety (90) days, from the date of purchase. McLeod does not warrant or make any representations concerning its products when not installed and/or used strictly in accordance with the manufacturer's instructions for such; installation and operation, and in accordance with good installation and maintenance practices of the automotive industry. Products purchased used do not carry a warranty. This warranty is to the original purchaser and is non-transferable.

McLeod Racing LLC will not be held liable for the labor charges and other intangible or consequent losses that might be claimed as a result of the failure of any part, nor shall it be liable for damages or injury to persons or property resulting from the misuse or improper installation of any part subject to this warranty.

No merchandise may be returned for any reason unless prior return merchandise authorization number (RMA) has been obtained from McLeod. An RMA number may be obtained via www.mcleodracing.com or by calling McLeod directly.

McLeod Racing LLC reserves the right to examine all parts returned for warranty claim to determine whether or not any such part has failed because of a defect in material or workmanship. McLeod's obligation under this warranty shall be limited to repairing, replacing or crediting, at its option, any part found to be defective. All products returned to McLeod for warranty inspection must be prepaid by the customer under this warranty.

In a racing environment, the type of stress placed on automotive parts can vary dramatically by the type of use, driving style, track preparation, differing tire style and other variables that are out of McLeod's control. For this reason, any parts used in a racing environment shall be void of any warranty either expressed or implied.

There are no other warranties, either expressed or implied including, but not limited to, warranty of merchantability, and warranty of fitness for a particular purpose which extend beyond those set forth in the preceding paragraphs. This warranty shall be interpreted and applied in accordance with California law.

For any changes or updated versions of the warrant described above, please refer to www.mcleodracing.com before installation of product.

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