Emergency Brake Warning Switch Kit Installation Instructions (New Style Switch)

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General Installation Notes:

Please read these instructions completely before beginning the installation. If you have any questions, please call.

Before beginning the installation, disconnect the negative battery cable and use wheel chocks to block the vehicle's wheels.

Make sure the engine, transmission, body, and frame are properly grounded.

All Lokar Installation Instructions can be found by visiting www.lokar.com/instructions.html.

Refer to Fig. 1 and Fig. 2 for the component names.

***Step 1*: Make sure the emergency brake handle is in the fully released position (all the way down).** Remove the E-clip from the gear dog pin on the passenger side of the Floor Mount Hand Brake.

Step 2*:** Look at ***Fig. 2 and determine if you have the new style Hand Brake or the old style Hand Brake.

If you have the new style hand brake (NO groove in handle, see ***Fig. 2*),** note how the gear dog is positioned inside the Hand Brake. Remove the gear dog pin from the handle. It may be necessary to push the gear dog pin out of the handle using a punch or small screwdriver. Install the gear dog pin into the recessed side of the switch disc, as shown in ***Fig. 3***. Make sure the gear dog pin is fully seated in the switch disc. Install the gear dog pin with the switch disc into the handle from the driver side. It may be necessary to push the release button in slightly to get the gear dog pin to go back into the handle.

If you have the old style Hand Brake (has groove in handle, see ***Fig. 2*),** this step will be easier with a helper. Depress the release button on the end of the Hand Brake handle and hold it down. Hold the gear dog in place with your fingers or a pair of pliers, and pull the gear dog pin out of the handle. ***DO NOT*** let go of the release button while the pin is removed, or the gear dog will become misaligned. Install the warning indicator trigger into the gear dog pin. Verify the warning indicator trigger is facing the correct direction on the pin, as shown in ***Fig. 3***. Install the gear dog pin with the trigger into the handle from the driver side of the handle as shown in ***Fig. 4***. Once the gear dog pin is installed all the way through the handle, let go of the release button.

***Step 3*:** Make sure the warning indicator trigger or switch disc is positioned correctly, and the warning indicator pin is fully seated in the emergency brake handle. Install the E-clip on the warning indicator pin.

Step 4*:** Install the micro switch onto the emergency brake gear plate using the supplied #4-40 x 3/4" socket head bolts (3/32" Allen wrench size) and nylock nuts as shown in ***Fig. 5. Adjust the position of the micro switch so the button on the micro switch is depressed by the warning indicator trigger or switch disc when the emergency brake handle is all the way down.

Wiring:

NOTE*: *The wiring instructions below are for a generic application. Your vehicle's wiring harness or your indicator light/buzzer may require additional components or wiring connections.

If you are not familiar with electrical principles and automotive wiring fundamentals, please consult a professional.

An emergency brake warning indicator circuit can be wired several different ways. It can be wired so the micro switch provides the power for the indicator, or so the micro switch provides the ground for the indicator. See ***Fig. 6*** for illustrations of both wiring options.

The circuit can also be wired so the micro switch provides the power or ground signal for a relay. A relay is usually not required for a simple indicator light or buzzer, and the almost unlimited variety of relay designs makes it impractical to cover those in these instructions.

NOTE*: *Disconnect the negative battery cable before making any wiring connections or modifications!

Step 5*:** Use ***Fig. 6 to determine which way the emergency brake warning indicator circuit is wired on your vehicle, or which way you want the circuit to be wired if you don't already have an existing circuit. If you are adding a new circuit to the vehicle for the emergency brake warning indicator, make sure the 12-volt source only supplies power with the ignition key turned on (switched power). Also, verify the circuit is protected by a properly-sized fuse or circuit breaker.

***Step 6*:** When making the connections below, use a wire crimping tool to crimp female spade connectors (not supplied) onto the wires at the micro switch.

If the circuit is designed for the micro switch to provide power to the indicator light/buzzer (Power Switch type in ***Fig. 6***), install/connect a fused, switched 12-volt power wire to the common (COM) terminal on the micro switch. Install/connect a wire from the normally closed (NC) terminal on the micro switch to the input/power side of your indicator light/buzzer. Connect the ground side of your indicator light/buzzer to a good vehicle ground (this connection may already exist in your vehicle wiring harness).

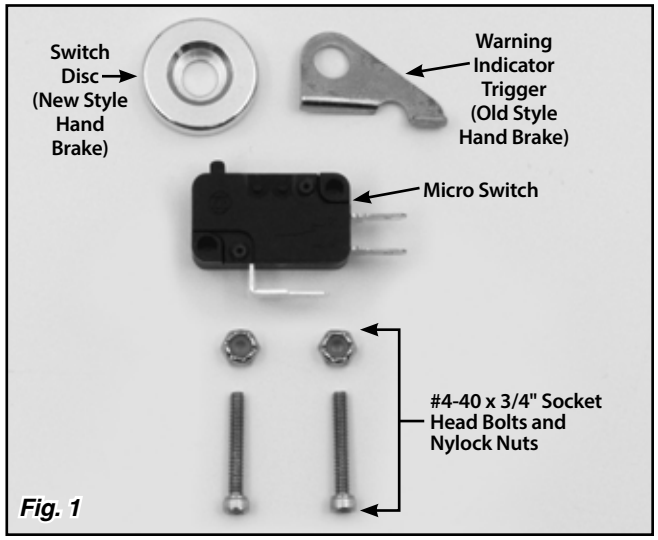


Fig. 1

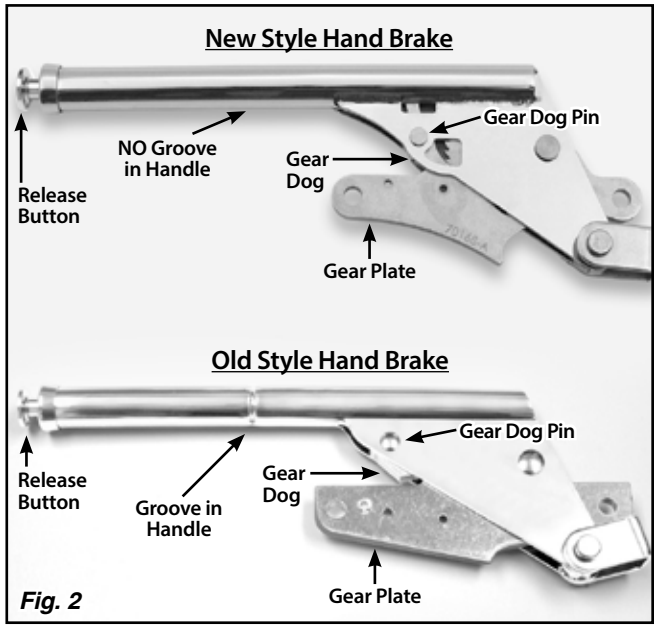


Fig. 2

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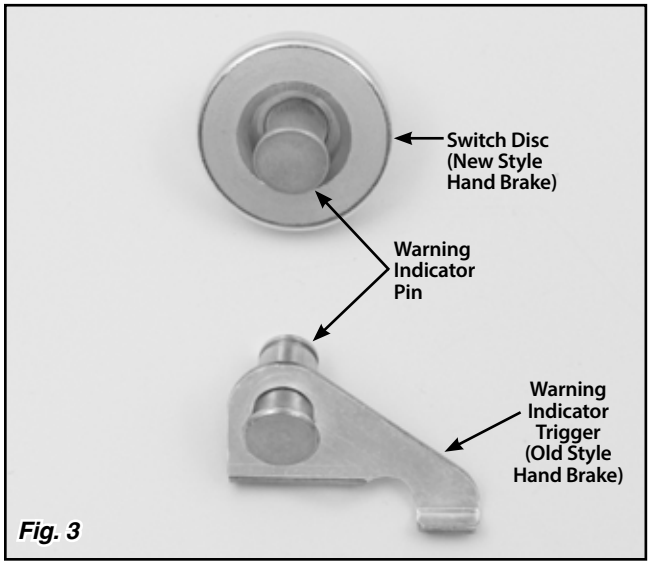


Fig. 3

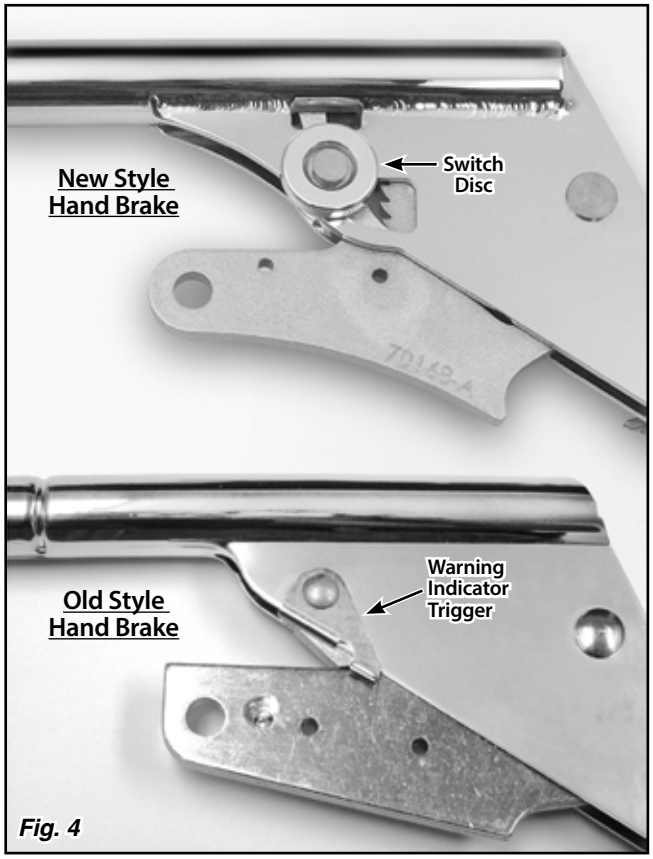


Fig. 4

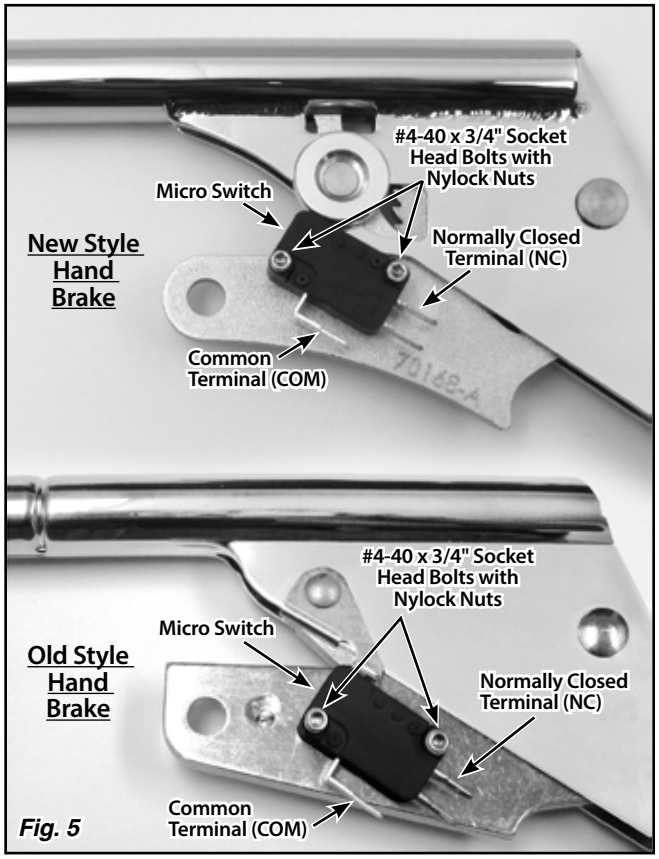


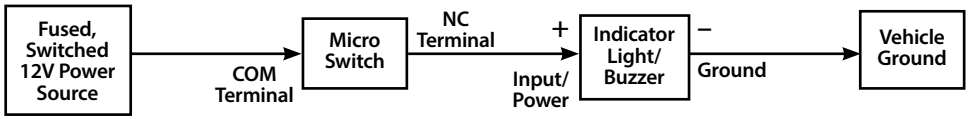
Fig. 5

Step 6, continued*:** If the circuit is designed for the micro switch to provide the ground (Ground Switch type in ***Fig. 6), install/ connect a fused, switched 12-volt power source to the input/ power side of your indicator light/buzzer (this connection may already exist in your vehicle wiring harness). Install/ connect a wire from the ground side of your indicator light/buzzer to the common (COM) terminal on the micro switch. Install/connect a wire from the normally closed (NC) terminal on the micro switch to a good vehicle ground.

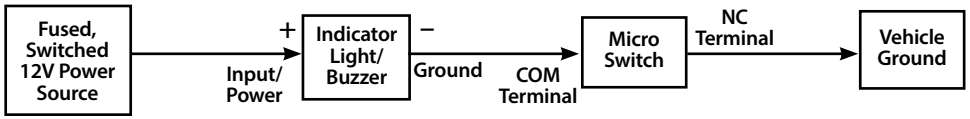
The normally open (NO) terminal on the micro switch will not be used.

Wiring:

Power Switch type:



Ground Switch type:



Note: Some indicator lights/buzzers are non-directional, and will not have the (+) Input/Power or (-) Ground sides marked, and both wires will be the same color. This type can usually be connected with power flowing in either direction. Some warning indicator lights/buzzers have extra connections or may require a relay. Consult the instructions that came with the indicator light/buzzer to determine what type of connections it requires.

Fig. 6

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