



**Cole Hersee Co.**

## **Low Air Pressure Alarm Kit No. 40178**

**For 12 volt, D.C. electrical systems**

**Warns driver that there is not sufficient  
air pressure to operate brakes.**

- Air pressure switch operates at 60-70 p.s.i.
- Mount buzzer behind the dash panel near the ignition switch where it will be most audible when turning the ignition ON and starting the engine. Refer to diagram for wiring details. (Note: the buzzer case does not require an external ground).
- Next, check for a location to mount the pressure switch. The air pressure switch can be mounted on the holding tank or in an output air line.

**Do not** install the air pressure switch next to the air compressor.

**Do not** install the air pressure switch in the line from the compressor to the tank.

**Do not** remove the drain plug from the holding tank and replace it with the switch. If the switch is mounted on the tank, use a high quality bushing if needed. If the switch is mounted in an air line, which can be done by using a "Tee", use a quality fitting rated for this high pressure. In either case do not use Teflon tape or sealing compound which will affect the switch ground.

**Before making any mechanical connections:**

Bleed the system of any air pressure. Chock the wheels so the vehicle will not move.

### Before making any electrical connections:

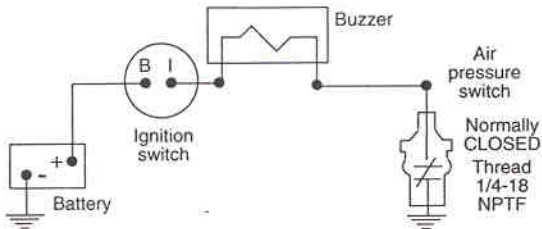
The mounting surface for the pressure switch must be ground. Take time to check that the mounting surface is grounded by using a test light or multi-meter.

- Recommended wire sizes: minimum of 18 gauge (0.8mm<sup>2</sup>) for runs up through 25 feet: minimum of 16 gauge (1.0mm<sup>2</sup>) for runs longer than 25 feet.

After installation has been completed properly, test the warning system by following these steps:

1. Turn ignition switch to ON - buzzer alarm will sound.
2. Start engine - buzzer alarm will sound until operating air pressure is reached.
3. Coolant temperature alarm - short out the temperature switch from its terminal to a convenient ground - buzzer alarm will sound until the ground connection is removed.

**Important:** Run engine and check all pipe connections for leaks.



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