

Diagram A
Gauge Dimensions

Merchandise warranted against defects in factory workmanship and materials for a period of 24 months after purchase. This warranty applies to the first retail purchaser and covers only those products exposed to normal use or service. Provisions of this warranty shall not apply to a VDO product used for a purpose for which it is not designed, or which has been altered in any way that would be detrimental to the performance or life of the product, or misapplication, misuse, negligence or accident. On any VDO part or VDO product found to be defective after examination by manufacturer, manufacturer will only repair or replace the merchandise through the original selling dealer. Manufacturer assumes no responsibility for diagnosis, removal and/or installation labor, loss of vehicle use, loss of time, inconvenience or any other consequential expenses. The warranties herein are in lieu of any other expressed or implied warranties, including any implied warranty of merchantability of fitness, and any other obligation on the part of manufacturer, or selling dealer.

(NOTE: This is a "Limited Warranty" as defined by the Magnuson-Moss Warranty Act of 1975.)

1 BEGIN HERE

CAUTION: Read these instructions thoroughly before making installation. Do not deviate from assembly or wiring instructions. Always disconnect battery ground before making any electrical connections. If in doubt, please contact your dealer or VDO at **1-800-265-1818**

General Information:

Your VDO mechanical dual air pressure gauge comes with a 24 volt bulb standard; for 12 volt operation, order VDO bulb number 600802. These instruments require a tubing kit to complete installation. **MAKE SURE THAT THE TUBING USED IS RATED FOR 150PSI OR GREATER.**

Parts List

Item	Description	Quantity
1.	Dual Air Pressure Gauge (3 1/8" [80 mm] diameter)	1
2.	Lamp Socket	2
3.	Light Bulb (24 volt)	2
4.	VDO Mounting Brackets and nuts	2
5.	Installation Instructions	1

Tools and Materials Needed For Installation:

16 Gauge stranded, insulated wire
 Insulated 1/4" spade connectors
 3 1/8" hole saw
 Drill and drill bit set
 Half-round file
 Tape measure or ruler
 Small tools: wrench or nut driver, utility knife, pliers, etc.
 Tubing kit and various engine adapters

Use 1/4" outside diameter tubing. You will also need a ferrule and a sealing nut, which are readily available from your auto parts dealer.

Gauge Installation:

1. Select the location where you will mount the gauge, and mark a center point for a hole.

2. Cut a 3 1/8" (80 mm) diameter hole for the pressure gauge. Place the instrument into the hole. If the gauge is too snug, use a file to slightly enlarge the opening until the gauge fits properly. See Diagram A.

4. Slip a mounting bracket over each mounting bolt on the back of the gauge. Screw on the accompanying nuts. Tighten the nuts until the gauge can no longer be rotated by hand. **DO NOT OVERTIGHTEN!**

CAUTION!!!

The bezel diameter is only a few millimeters larger than the gauge itself. **With that in mind, measure and precisely mark the gauge location before cutting any holes!**

VDO

Mechanical Dual Air Pressure
Gauge

Installation Instructions

Instruction Sheet #0 515 010 389

Rev. 09/09

INSTRUCTIONS FOR THE INSTALLATION OF THE MECHANICAL DUAL AIR PRESSURE GAUGE ARE CONTAINED HEREIN. USE IS RESTRICTED TO 12-VOLT NEGATIVE GROUND ELECTRICAL SYSTEMS. LIGHT BULB, IF SUPPLIED, IS 12-VOLT.

Gauge Hookup and Lamp Wiring:

1. Route the tubing from the gauge to the air line. DO NOT CRIMP the tubing closed during routing. A rubber grommet is recommended around each tube where it passes through the firewall.
2. Attach one end of each tube to the gauge using a $\frac{7}{16}$ "-24UNS-2A adapter. You must also use a ferrule and sealing nut, as shown

in Diagram B.

DO NOT OVERTIGHTEN THE SEALING NUTS OR YOU WILL DAMAGE THE TUBING!

3. Attach the other end of each tube to its corresponding air line using appropriate tees and fittings. A white dot indicates the "primary" air line; a red dot, the "secondary."
4. Run a wire from the gauge lamp socket to

the lighting circuit (a +24 volt source, usually after the light switch fuse). For +12v operation, use 12v bulb (VDO #600802). If the gauge housing is not grounded, run a ground wire to one of the mounting studs. See Diagram B.

At this point, installation is complete.

Make sure the tubes are absolutely free from moving and/or hot engine components, and that it is totally free of kinks.

Start the engine and turn on the lights to make sure the gauge illumination functions properly. If it doesn't, recheck your connections and your wiring. Check all tubing connections for leaks.

CAUTION:

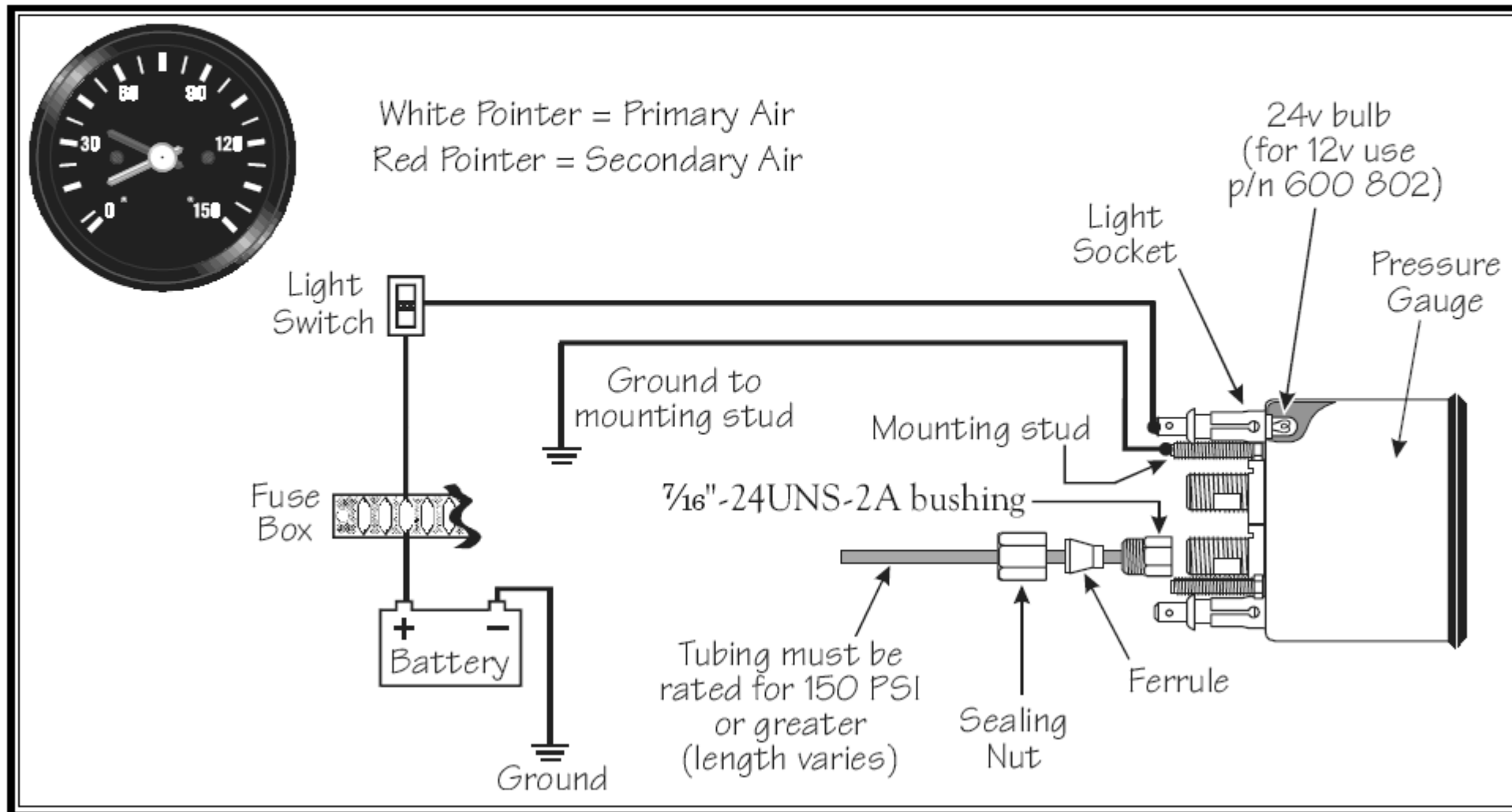


Diagram B

Gauge hookup and lamp wiring information