

# Installing Low Oil Pressure Warning Light and Electronic Ignition Test in Your MG

# MGB Low Oil Pressure Warning Light

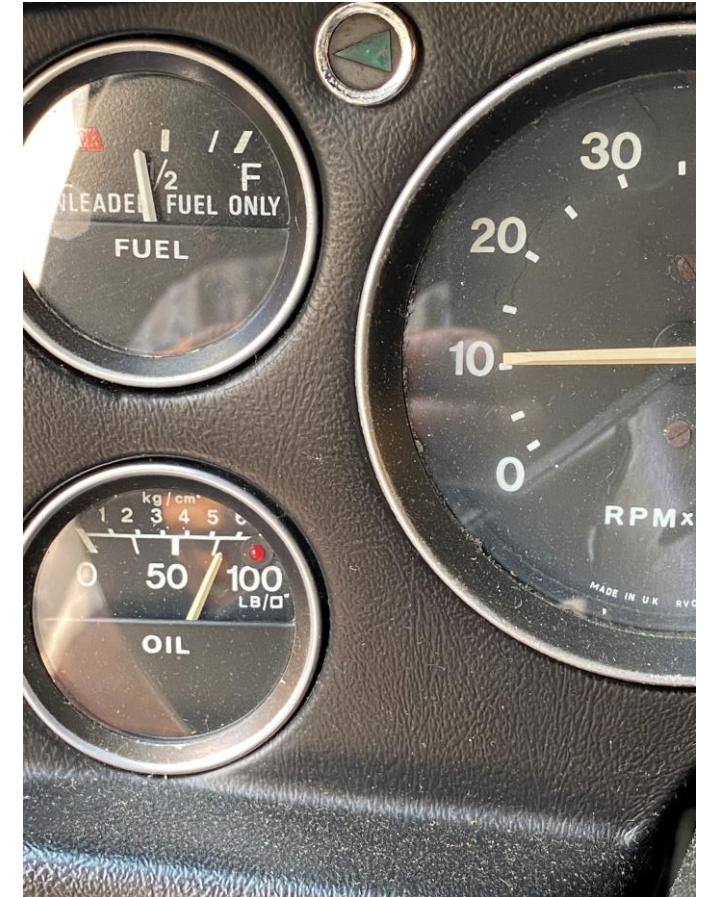
Oil gauge with light to signal low (< 7.0 PSI) pressure



Oil Pressure Light Off , Ignition Off



Oil Pressure Light On, Ignition On

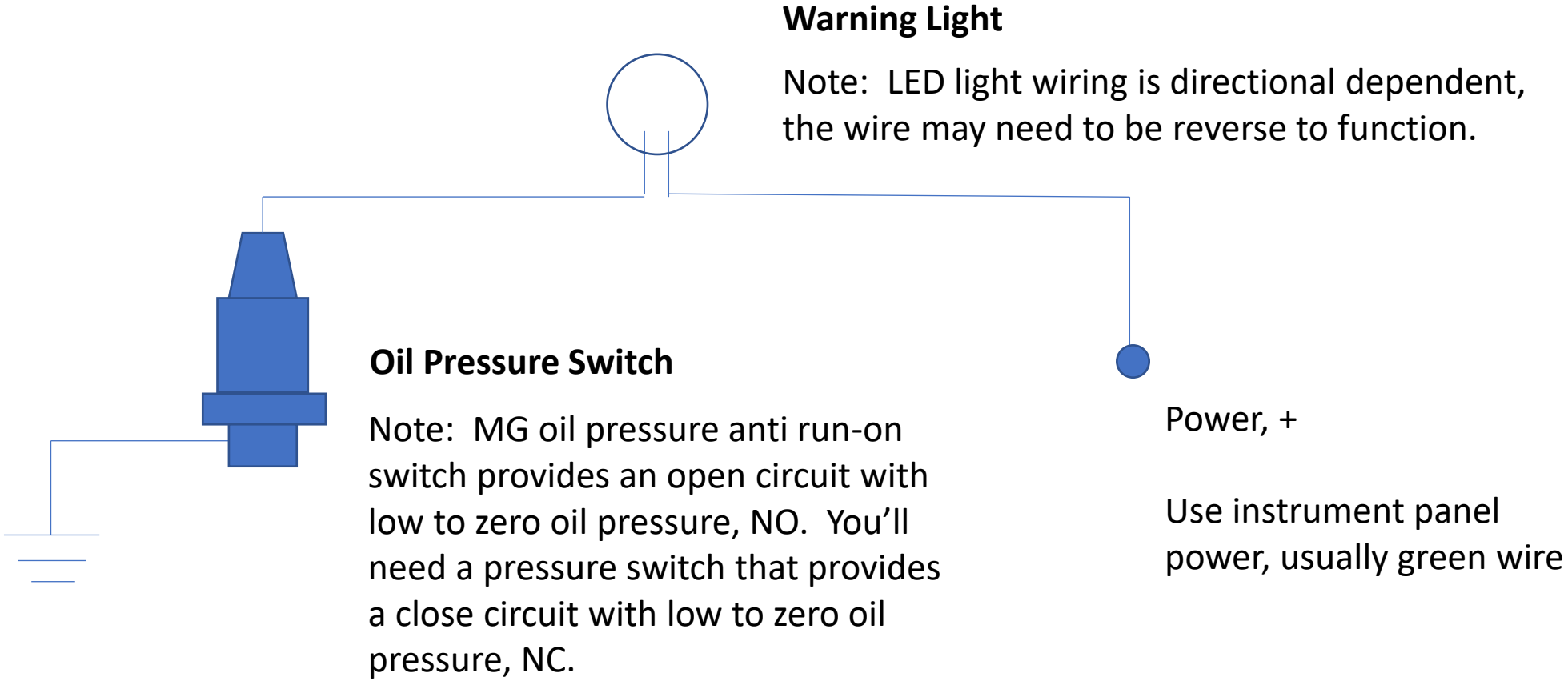


Oil Pressure Light Off, Engine Running  
Oil Pressure > 7.0 psi

# How to Add Low Oil Pressure Warning Light to Your MG

- Light Placement Options
  - Instrument Panel (Warning lights on instrument panel, center)
  - Center Console (brake or seat belt light)
  - Oil Pressure Gauge
- Light Selection
  - Use existing warning light location
  - LEDs
- Oil Pressure Switch
  - Fixed setting
  - Adjustable

# Circuit Diagram



# Oil Pressure Switch Options



364K-F ATP Oil Pressure  
Switch 15 PSI, Normally Close



ZTUOAUMA 10PSI±2PSI Oil  
Pressure Switch 0C3025 1/4-  
18 NPT Normally Close



Oil Pressure Sending Unit



MGB Oil Pressure  
Anti Run-on Switch,  
Normally Open

# What You Need

- Drill and drill bit (11/64, 15/64)
- LED light with mounting grommet
- Wire protective grommet
- Wire
- Connector



# Disassemble Oil Pressure Gauge

- Remove lens retainer bezel (lift tabs and turn them to cutouts)
- Remove lens (note: it's real glass)
- Remove front panel (it has the "OIL" making )
- Remove retainer nut on the rear of the gauge (keep the gauge mechanism within the housing)
- Push mechanism from the rear with threaded feature while simultaneously pulling the front panel. (Be careful with the gauge needle)

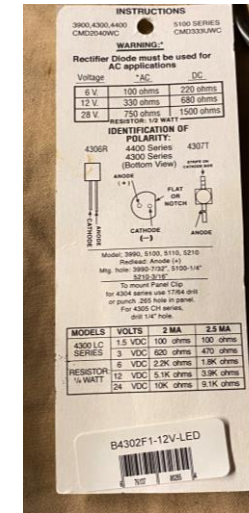


Retainer Nut



# LED Selection and Placement

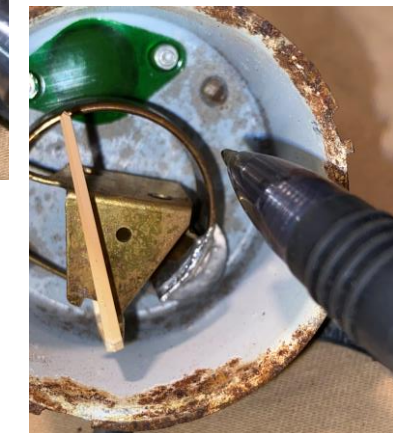
- LED Selection (12V, 3mm, Red)
  - Use LED with support grommet
  - Built-in resistor
  - Any color
- Placement



Left side LED installation and harness routing may interfere with gauge needle motion



Right side within housing provides maximum spacing for LED placement and harness routing



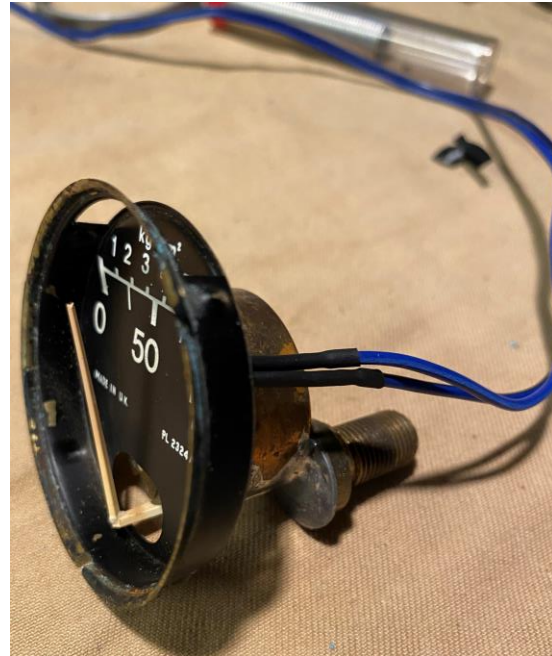
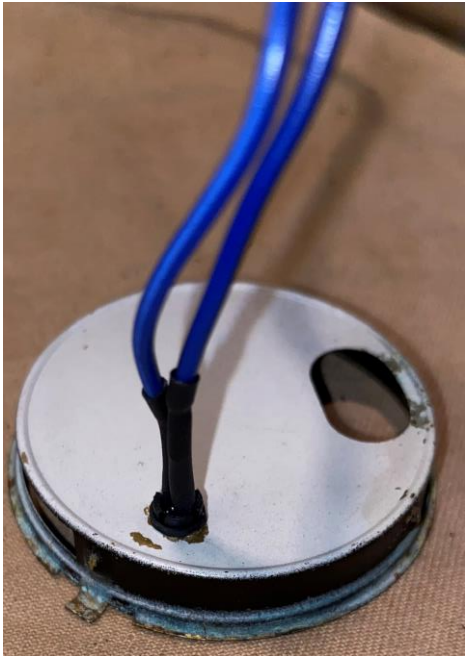


# Housing Preparation

- Drill holes (face plate, housing)
- Install Grommets
- LED wire extension



# Assemble and Test Light



Be careful of gauge  
needle when installing  
faceplate



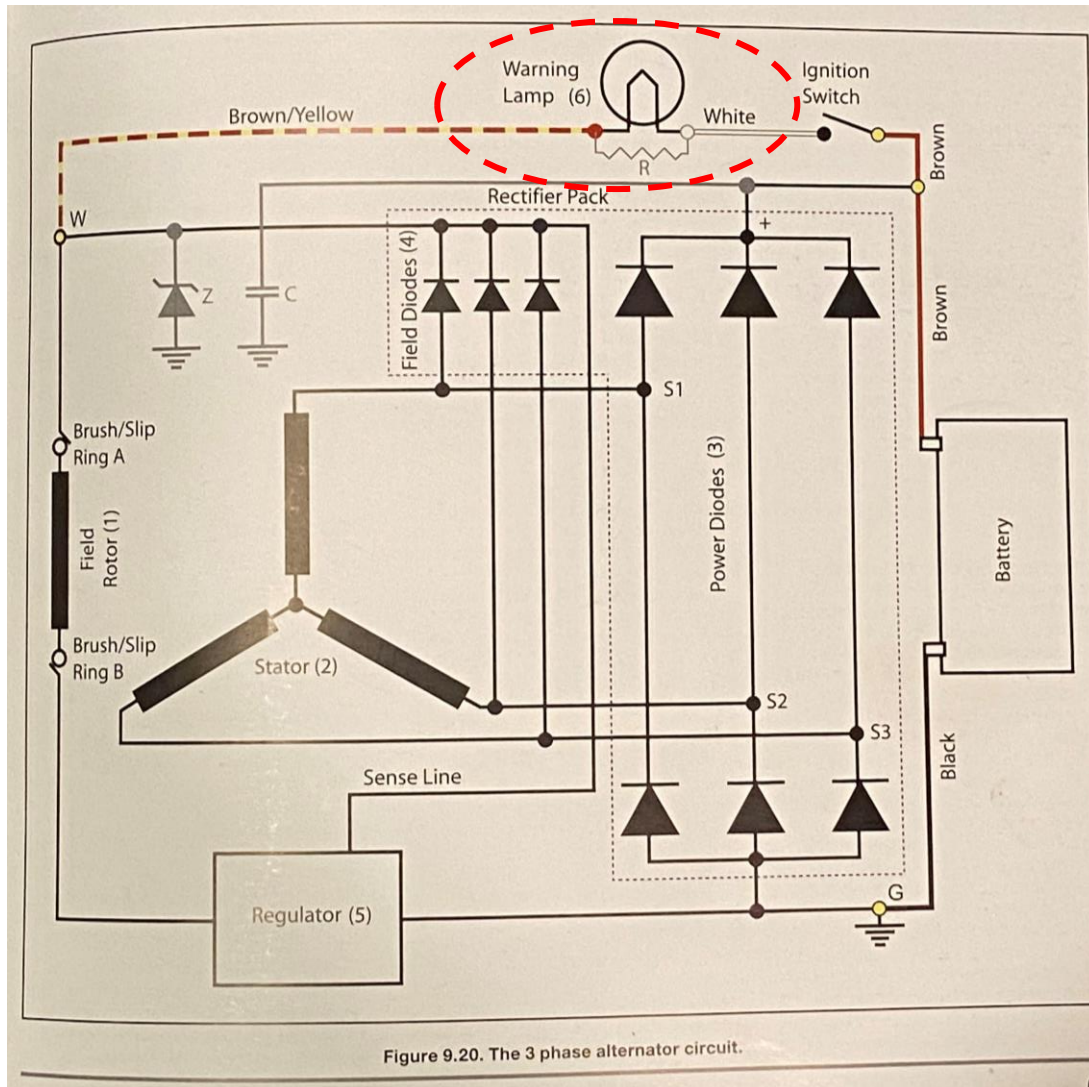
Install grommet and  
run wire through  
while installing  
gauge mechanism,  
tighten nut



Test light

# MG Electronic Ignition Circuit Testing

# MGB Ignition Warning Light Circuit Diagram



MGB Ignition Warning Light

- MG Ignition light indicates alternator (charging) operation. Ignition (coil, points, plug, etc) is not part of the “ignition” light circuit
- **Note: Functioning bulb and/or resistor is required for charging to work properly**
- There are simple test to check the ignition operation

# Typical MG Ignition (points)

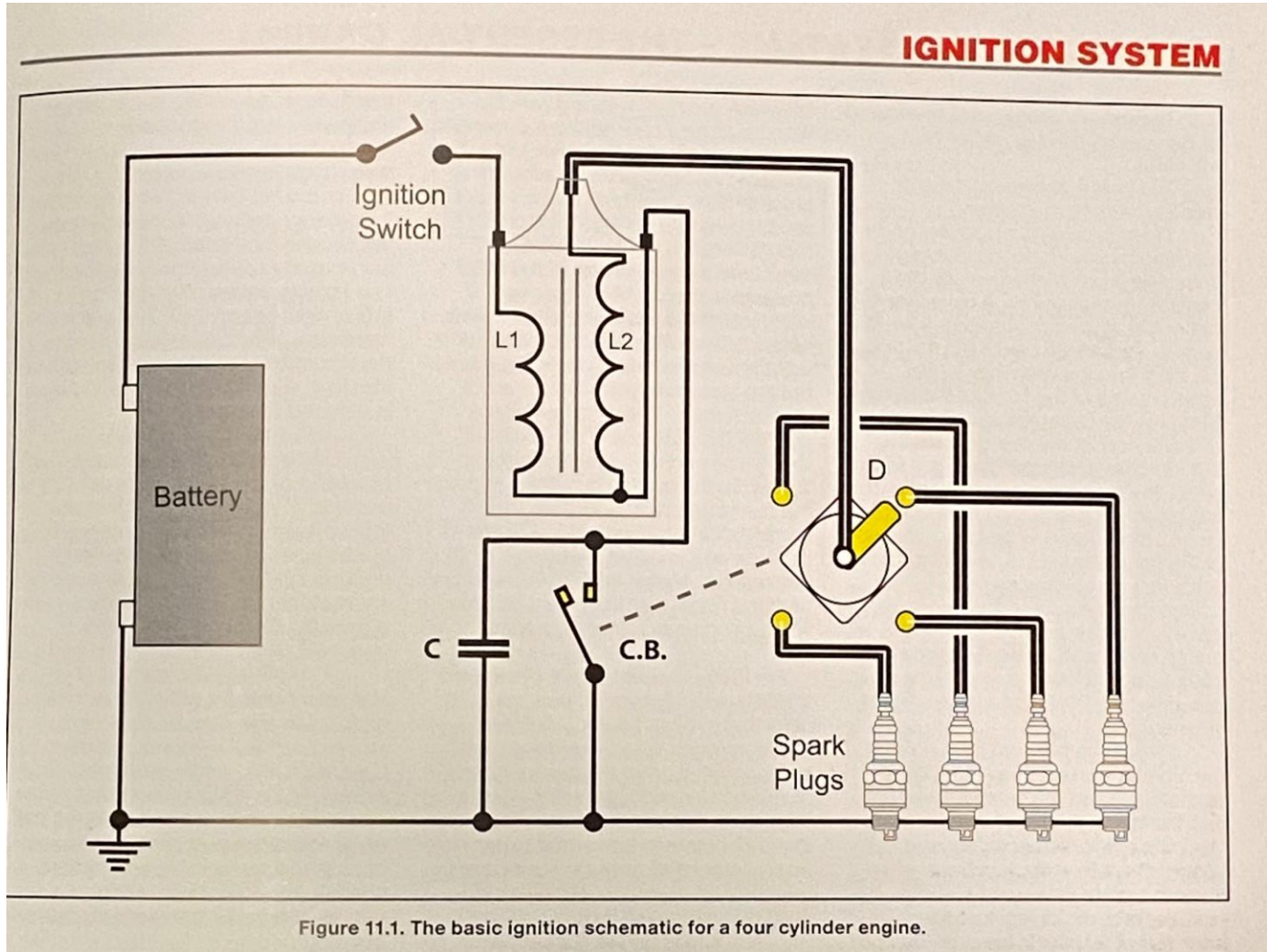
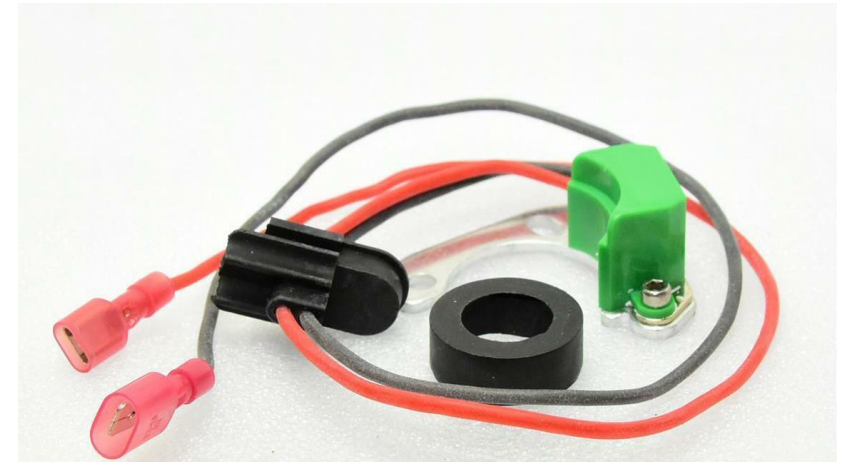


Image from: MGB Electrical System, Astley

After-market electronics ignition, removes Points (C.B.) and Condenser (C)



Electronics Ignition Replacement

# Testing Distributor with Electronic Ignition

