



Technical Service Support Bulletin

Subject: Testing The Fuel Relay LY2DUS12VDC
Product: Generators With Electronic Governing
Model(s): DCA 70,85,100,125,150 SSJU
Serial #: All With Electronic Governing
Bulletin: 2002-01
Issue Date: JAN 2002
Revised Date:

Instructions:

Step 1

Remove Fuel Relay from the relay holder.

Step 2

Using a Multimeter set up on Ohms Resistance test for closed contacts (continuity) between PIN 1 and PIN 5.

Step 3

Using a Multimeter set up on Ohms Resistance test for closed contacts (continuity) between PIN 2 and PIN 6.

Step 4

Using a Multimeter set up on Ohms Resistance test for open contacts (infinity) between PIN 3 and PIN 5.

Step 5

Using a Multimeter set up on Ohms Resistance test for open contacts (infinity) between PIN 4 and PIN 6.

Step 6

Using a Multimeter set up on Ohms Resistance test for continuity between PIN 8 and PIN 7.

Step 7

Apply 12 VDC to the coil of the relay by attaching the positive of the 12 VDC to PIN 8 and Negative of the 12 VDC to PIN 7.

Step 8

Using a Multimeter set up on Ohms Resistance test for open contacts (infinity) between PIN 1 and PIN 5.

Step 9

Using a Multimeter set up on Ohms Resistance test for open contacts (infinity) Between PIN 2 and PIN 6.

Step 10

Using a Multimeter set up on Ohms Resistance test for closed contacts (continuity) between PIN 3 and PIN 5

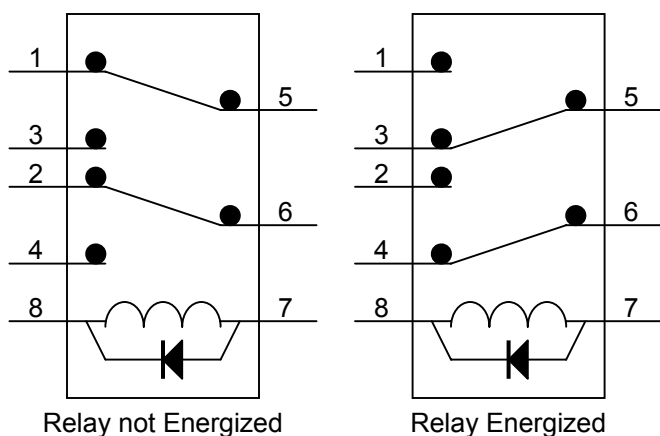
Step 11

Using a Multimeter set up on Ohms Resistance test for closed contacts (continuity) between PIN 4 and PIN 6.

**ALL TESTING MUST BE MADE BY A
QUALIFIED ELECTRICAL TECHNICIAN. MQ
POWER IS NOT RESPONSIBLE FOR ANY
DAMAGES TO EQUIPMENT AND/OR
COMPONENTS RESULTANT FROM
UNQUALIFIED PERSONNEL.**

Figure 1

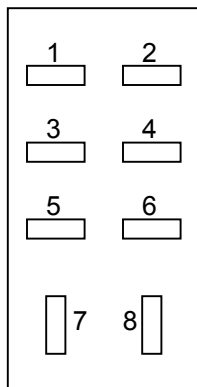
INTERNAL CONTACTS



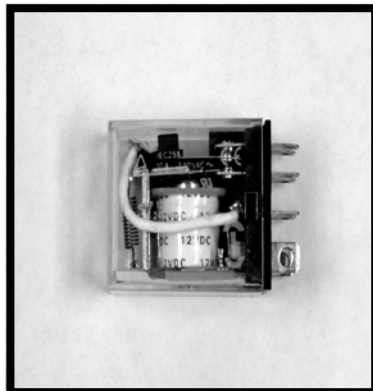
Older units may not have the Diode pictured above.
All relays have been updated in newer models (1998
and newer) to the relay pictured above.

Figure 2

View of Relay (External)



View from PIN side
Relay



View of Relay
(Actual)

Location of relay varies from unit to unit. Please reference the
above photo to locate the relay within the unit.

Relay Part Number = LY2DUS12VDC