

PROCEDURE FOR CHECKING CASING COLLAR LOCATORS

Technical Information

APPARATUS:

DIGITAL MULTIMETER OR DIGITAL BLASTERS MULTIMETER.

RESISTANCE CHECK:

SET METER TO 20 kΩ SCALE.

CONNECT ONE LEAD TO THE TOP RECEPTACLE OF THE CCL AND THE OTHER LEAD TO THE CASE OF THE CCL.

THE RESISTANCE SHOULD READ AS FOLLOWS IN THE TABLE BELOW

CCL P/N	DIAMETER	RESISTANCE
2819274	1 11/16"	2.400 +/-100
2313373	2 1/8"	2.950 +/-100
	3 1/8"	1550 +/-100

DIODE CHECK:

SET THE METER TO THE DIODE POSITION.

CONNECT ONE LEAD TO THE TOP RECEPTACLE OF THE CCL AND THE OTHER LEAD TO THE BOTTOM RECEPTACLE OF THE CCL.

QUAD DIODES SHOULD READ FROM 1.0 VOLTS TO 1.4 VOLTS. READINGS ASSUME A TEMPERATURE OF 25 °C / 77 °F WHEN CHECKING. COLDER TEMPERATURES INCREASE VOLTAGE WHILE WARMER TEMPERATURES DECREASE VOLTAGE READINGS.

NOTES:

TAKING A READING FROM THE BOTTOM RECEPTACLE TO THE TOP RECEPTACLE DOES NOT INDICATE THE CONDITION OF THE CCL, BUT ONLY THE VOLTAGE DROP OF THE DIODES AND THE CONTINUITY OF THE CIRCUIT.

A FAILURE TO GET A READING BY THE METHOD DESCRIBED ABOVE INDICATES NO GROUND BETWEEN THE CASE AND THE COIL WIRE. IN EITHER CASE THE CCL WILL NOT FUNCTION PROPERLY.

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