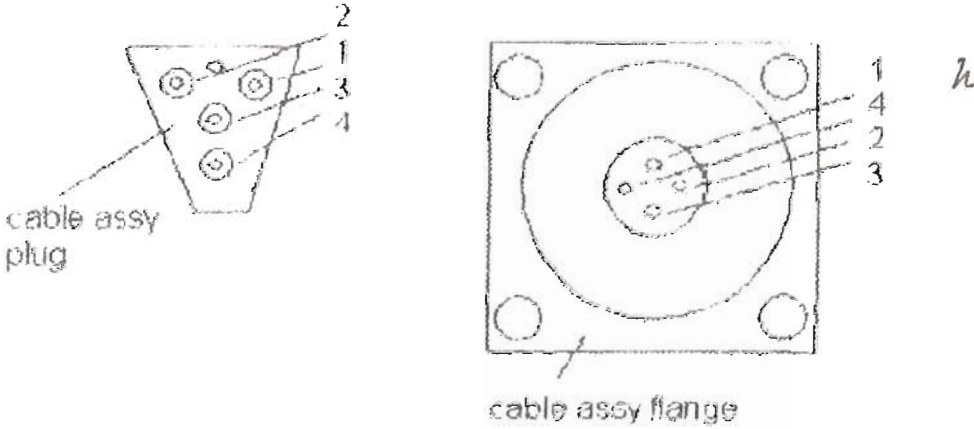




The purpose of this test is to verify the wiring connections from the end of the solenoid cable assembly to the individual coils inside the solenoid.

STEP	TASK
1	Setup the solenoid so that the in port is to the left and the out port is to the right with the cable assembly facing you.
2	Record solenoid identifying information in the notes section below.
3	With a paint pen or other marking device place a mark across the interface of the solenoid body and the cable flange. This will indicate the "As Found" orientation of the cable assembly. Note the quadrant of the test port (Upper right, lower left, etc.)
4	Remove the 4 bolts retaining the cable flange to the solenoid body. The bolts shall be numbered in a clockwise rotation starting at 12 o'clock. Record the torque required to remove each bolt. Bolt # 1 Bolt # 2 Bolt # 3 Bolt # 4
5	Carefully separate the cable flange from the solenoid body. The coil wires are soldered to the interior pins of the solenoid flange, so do not pull on the flange assembly without restraint as the length of the wires is unknown.
6	Once the flange is separated from the body, visually inspect the wiring for damage.
7	Using an ohm meter verify the continuity of each internal pin to the end of the external cable according to the drawing shown in Cameron procedure X-065393-05 as shown below. If the wire or pin is not exposed, you may have to scrape off the insulation but do not cut or remove the wire from the pin. Place a small mark showing the location of Pin 1 and Pin 2 on the inside of the flange according to the continuity test to the external cable connector. 3.2 Cable assembly 

5/24/11

1 of 2

TEST PROCEDURE - SOLENOID WIRING EXAMINATION

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2013

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STEP	TASK
8	<p>For this procedure, the coil located at the 3 o'clock position shall be referred to as coil # 1. The coil at the 9 o'clock position shall be referred to as coil # 2. The position is as seen looking into the body from the end of the cable flange. Note below the wire color and pin position of each wire as connected to the internal pins of the cable flange.</p> <p>Electrical assembly</p> <p>Solenoid Coils (top view)</p> <p>Coil # 2 Color Pin # Color Pin # Coil # 1</p>
9	Carefully place the flange back in the solenoid body ensuring that all wires are fully inside the body.
10	Loosely replace all bolts retaining the cable flange to maintain the cable flange to the solenoid body. This will ensure the wiring is not damage during future handling.
NOTES:	<hr/> <hr/> <hr/> <hr/> <hr/>



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NOTES:	<p>Proper Wiring is as shown above.</p> <p>Solenoid 1034 original and 3A had the black + white wires reversed on one coil</p>												