



HUSCO VALVE ELECTRIC CONTROL SETUP & TROUBLESHOOTING

WIRELESS CONTROL SYSTEM

1

Wireless Remote Function Check: Press the SYSTEM ON button for 2 seconds, then release. Does the SYSTEM ON red LED indicator turn on and stay on?



NO

REPLACE 9V BATTERY

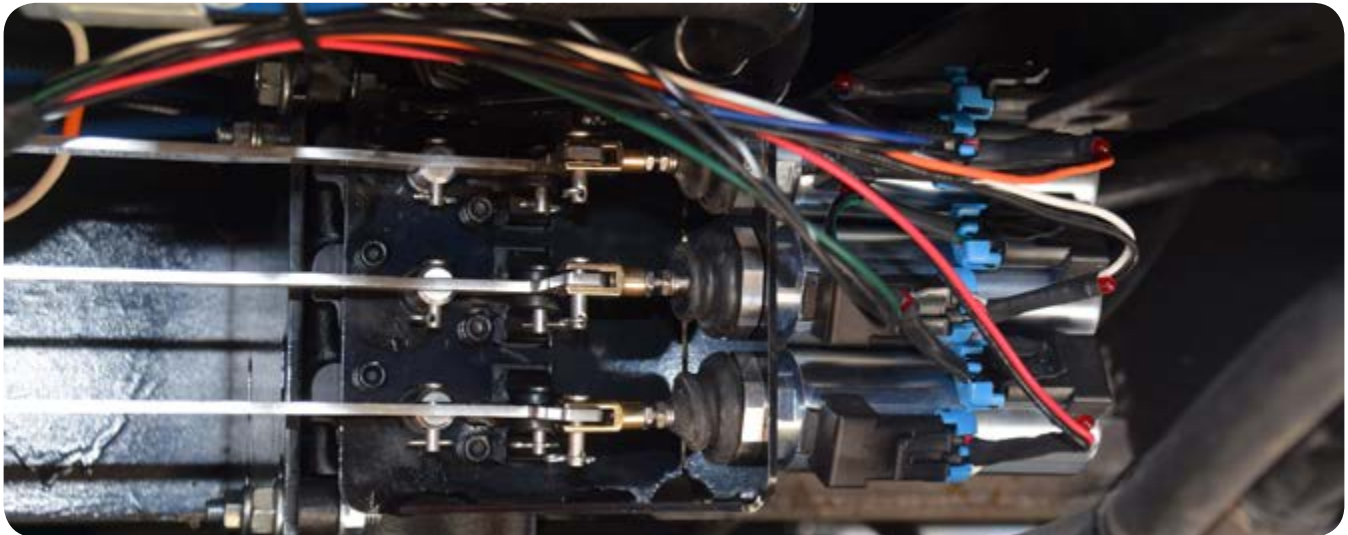
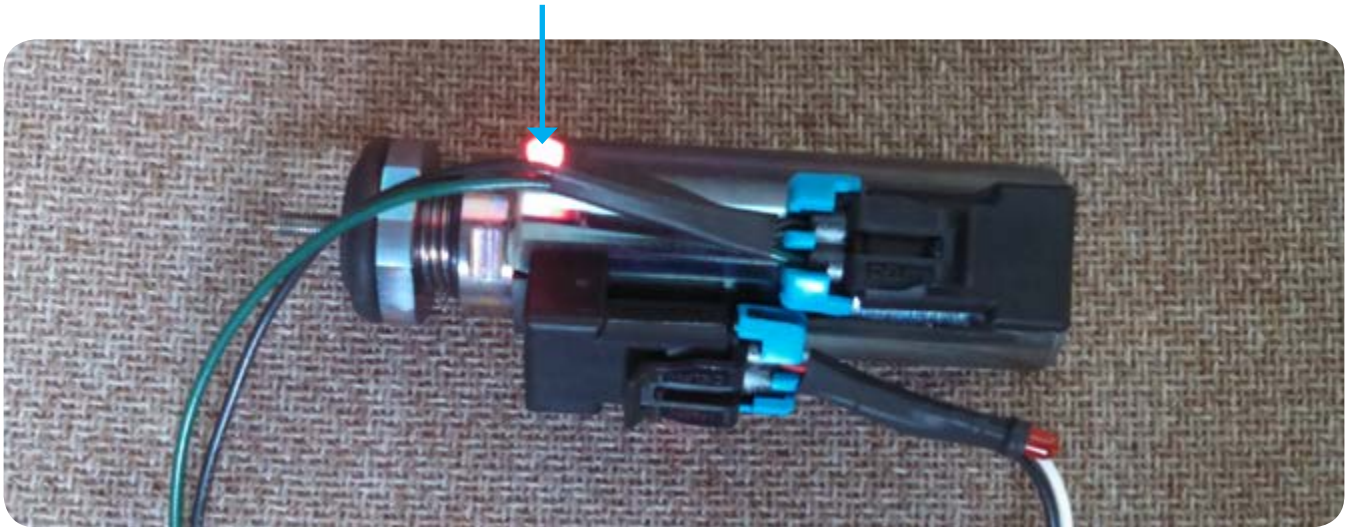
Retest for complete wireless control system functionality.

YES

Continue to **STEP 2**, Page 2.

2

Valve Output LED Indicator Check: With the wireless remote SYSTEM ON, do each of the valve output LED indicators light and actuators shift the valve when the individual valve function buttons are pressed?

**NO**

Continue to **STEP 3**, Page 3.

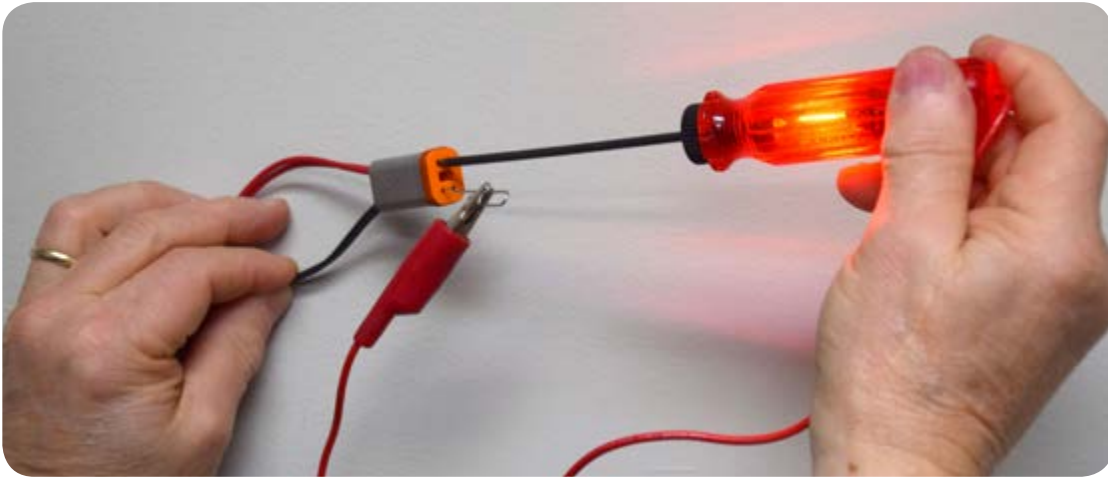
YES

If all LEDs and actuators are working, continue to **STEP 6**, Page 9 to check pump output.

3

Receiver Power Input Check: Temporarily disconnect the 4-pin Deutsch receiver power connector. When checking between one of the black negative sockets and one of the red power sockets is constant power present?

Standard Automotive Test Light

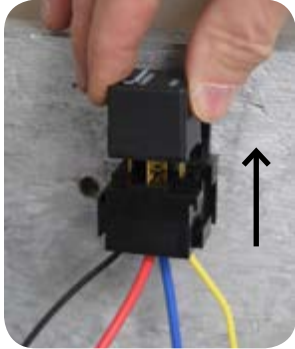


Standard Multimeter

**NO**Continue to **STEP 3a**, Page 4.**YES**Continue to **Step 4**, Page 7.

3a

Relay Socket - POWER Circuit Check: Temporarily remove the power relay from its socket. When checking between the truck battery negative post and the red relay wire terminal, is constant power present when truck ignition switch is ON?

*Standard Automotive Test Light**Standard Multimeter***NO****REPLACE 40 AMP FUSE ON RED LEAD**

Retest for complete wireless control system functionality.

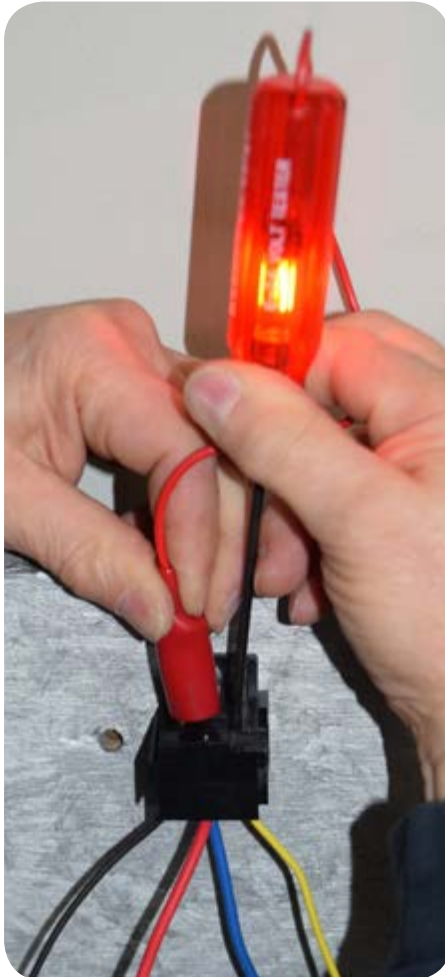
YES

Continue to **STEP 3b**, Page 5.

3b

Relay Socket – CONTROL Circuit Check: While relay is still removed, check between the black control circuit negative terminal and the yellow control circuit relay socket terminal—is constant power present only when truck ignition switch is ON?

Standard Automotive Test Light



Standard Multimeter

**NO****REPLACE 10 AMP FUSE ON RED LEAD**

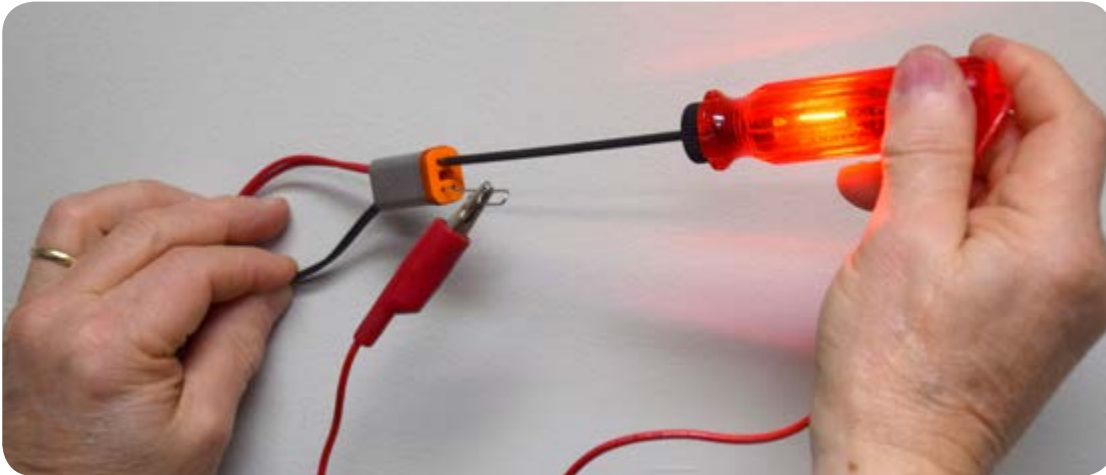
Retest for complete wireless control system functionality.

YESContinue to **STEP 3c**, Page 6.

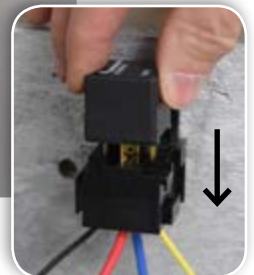
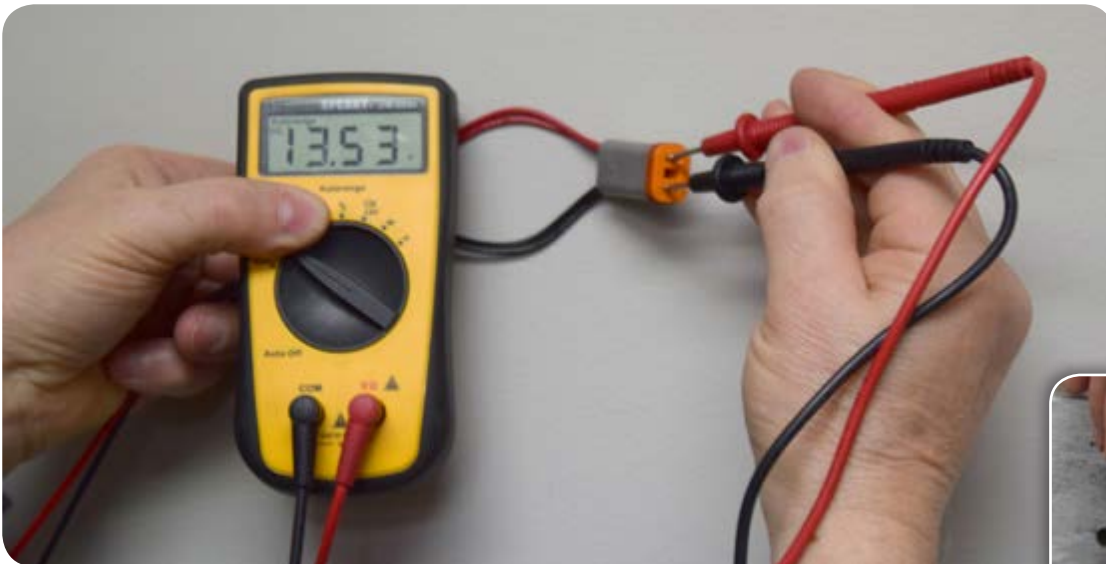
3c

Receiver Power Input Re-check: Temporarily disconnect the 4-pin Deutsch receiver power connector. When checking between one of the black negative sockets and one of the red power sockets, is constant power present when truck ignition switch is ON?

Standard Automotive Test Light



Standard Multimeter



NO

Check for integrity of wiring harness between relay and truck ignition switch.
Correct any faults.

YES

Reinstall relay, check wireless control system for full functionality. If still not operational, **replace relay** (Manufacturer Part #1432790-1).



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WIRELESS CONTROL SYSTEM

4

Receiver Internal Power Check: Temporarily remove the receiver cover, reconnect the 4-pin Deutsch receiver power connector. Does the receiver internal LED light briefly when the truck ignition switch is turned ON?



NO

Receiver and transmitter
functionality test required.

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YES

Check wireless control system for full
functionality. If still not operational,
continue to **STEP 5**, Page 8.



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5

Wireless Transmitter/Receiver Re-Pairing: Follow these steps to re-pair your wireless transmitter to your receiver.

Preparation:

- *Turn the hand-held transmitter OFF.*
- *Using Phillips screwdriver, remove the receiver cover (gray enclosure).*

1. Turn truck key ON to power the receiver – red LED inside receiver will light for ½ second.
2. Press the blue button inside the receiver until red LED lights then release.
3. Immediately press hand-held transmitter Work Light button briefly until receiver red LED blinks once, then release. The receiver red LED will blink rapidly, then it will turn off.
4. Turn hand-held transmitter Work Light button OFF.
5. Turn hand-held transmitter System ON.
6. Receiver red LED will light indicating successful pairing.
7. Confirm all hand-held transmitter functions.

Recheck full wireless system functionality.
If not operational, wireless system functionality test required.

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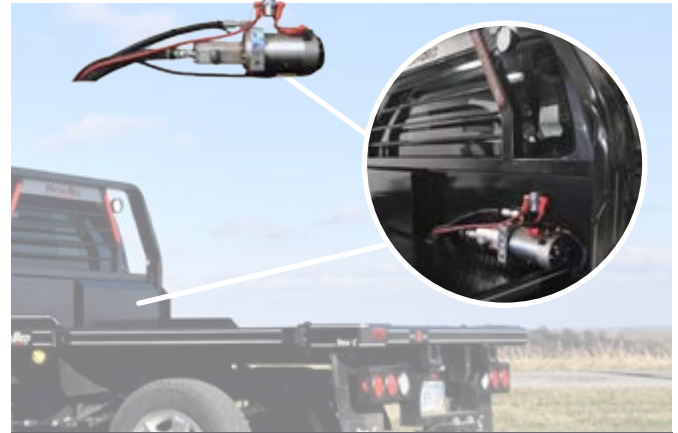
HUSCO VALVE ELECTRIC CONTROL SETUP & TROUBLESHOOTING WIRELESS CONTROL SYSTEM

6

Pump Circuit Power Output Checks: Select your pump type, then proceed as instructed.



ENGINE DRIVEN CLUTCH PUMP



ELECTRIC OVER HYDRAULIC



With wireless transmitter System ON, use a standard automotive test light or multimeter to test for power at the black lead pin in the receiver output's triangular shaped Deutsch connection.



With wireless transmitter System ON and a valve function button depressed, use a standard automotive test light or multimeter to test for power at the white with black tracer lead pin in the receiver output's triangular shaped Deutsch connection.

If appropriate pump power is present, recheck full wireless system functionality.

If not operational, wireless system functionality test required at factory.

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