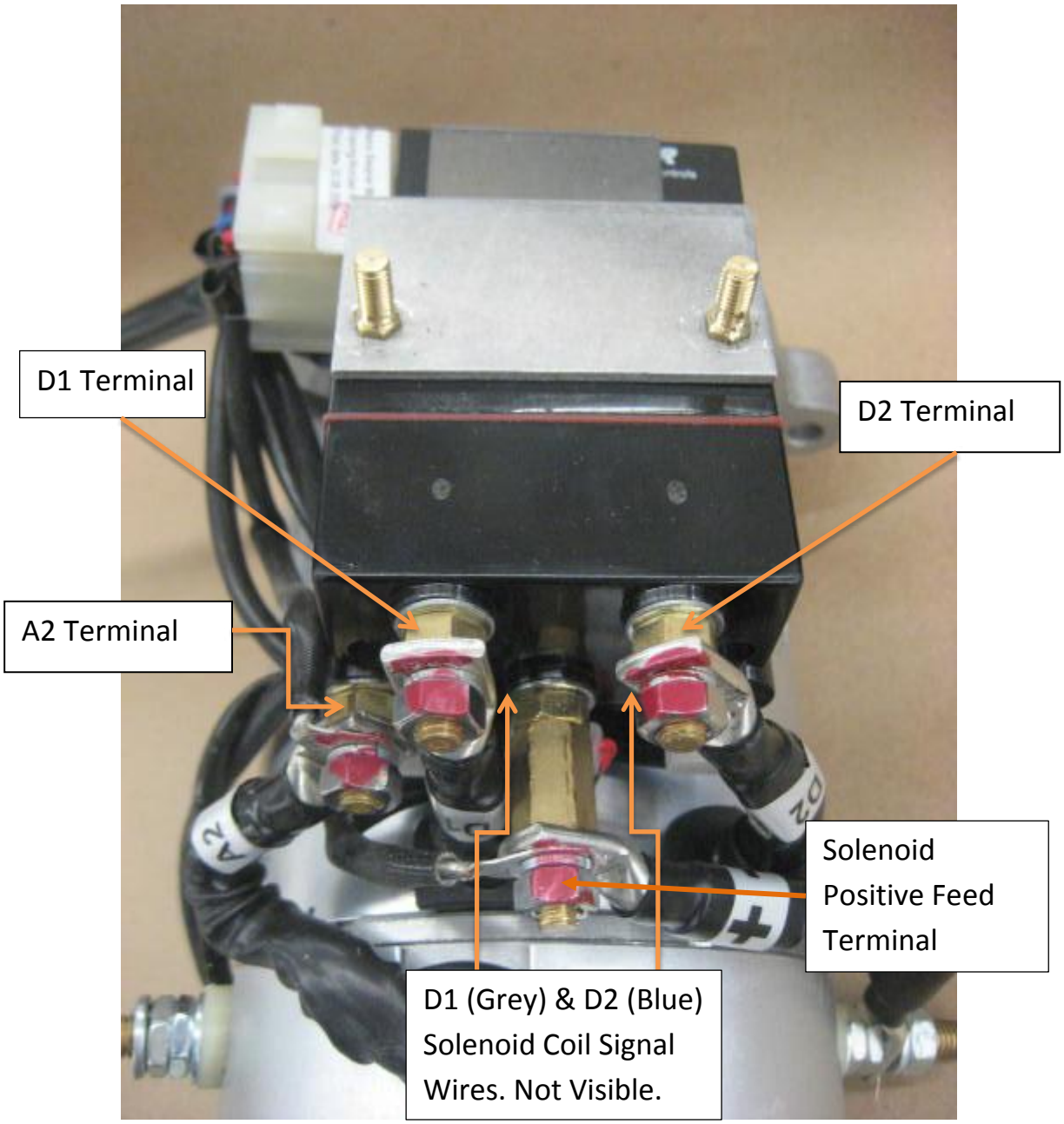
SIDE-POWER
Thruster Systems

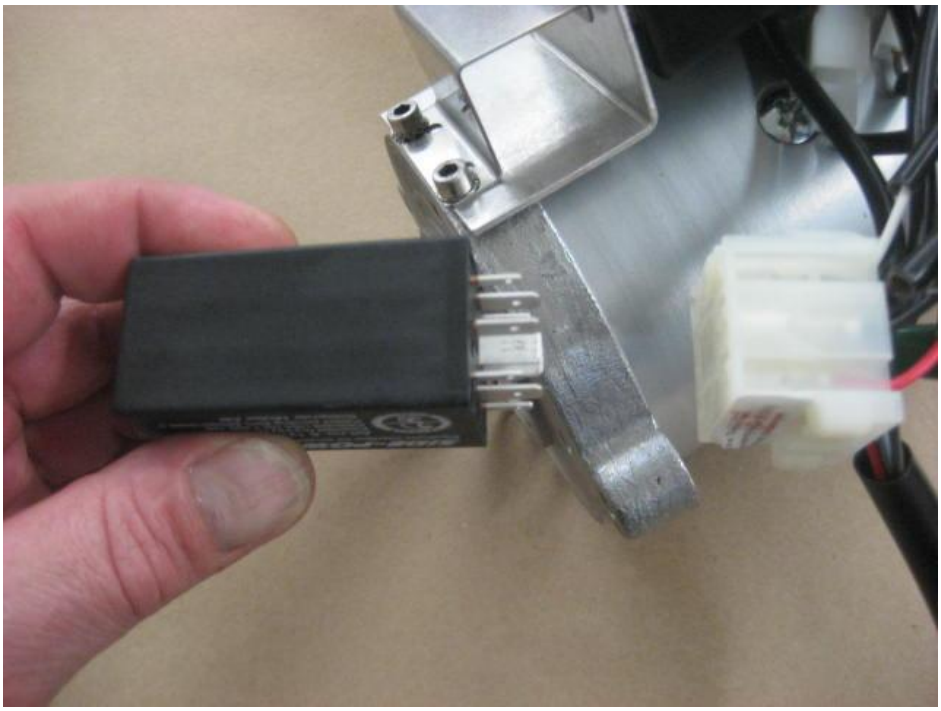
Supplement to Troubleshooting Guide SP30Si, SE30/125S, SE25/110S

The solenoid on thruster models SP30Si and SE30/125S makes it difficult to by-pass the control box and jump the solenoid coils directly to negative (p.6, step 2 in the Trouble-Shooting guide). There are three differences regarding this solenoid; the white IPC wire does not un-plug from the A2 terminal as it is bolted on with a ring terminal, the blue/starboard and grey/port wires are on opposite sides from other solenoids, and the coil terminals are not easily removed.

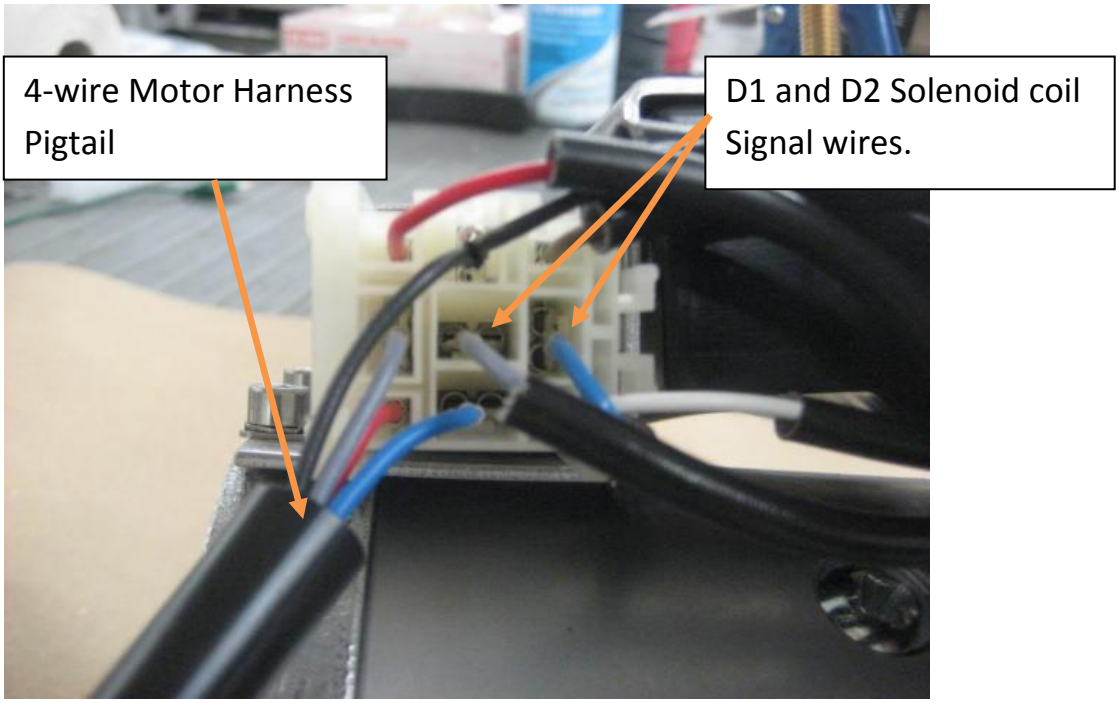


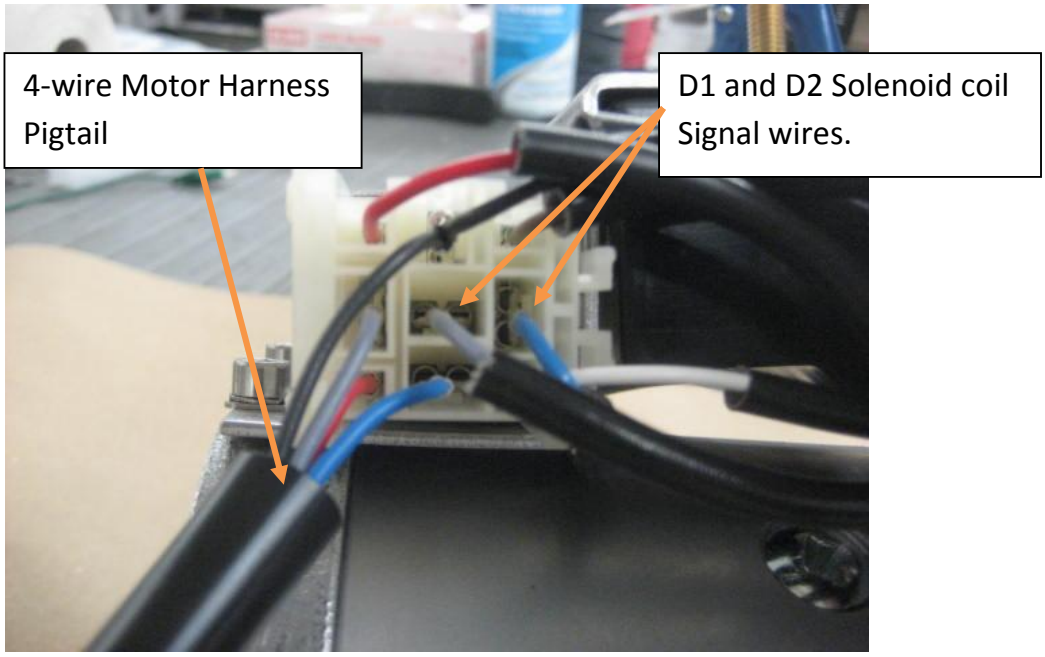
Step 1: Since the White IPC wire cannot easily be disconnected unplug the control box instead. The control box fits very tightly in the plug so it helps to wiggle it back and forth to remove it.

Note: Do not use a metal object to remove the control box unless power has been disconnected.



Step 2: Locate the Blue D2 coil and Grey D1 coil wires in the control box plug. There are two blue and two grey wires in the plug, don't confuse the blue and grey wires in the 4-wire motor harness pigtail with the D1 and D2 coil wires.





Step 4: Jump to the A1 Negative Battery Stud as in the trouble-shooting guide. If the motor does not run, verify input voltage on the Solenoid Positive Feed Terminal and check output voltage on the A2 Terminal.