

SUBJECT:
DDC ECM By-pass

APPLICATION:
**Detroit Diesel
Series 60 Engines**

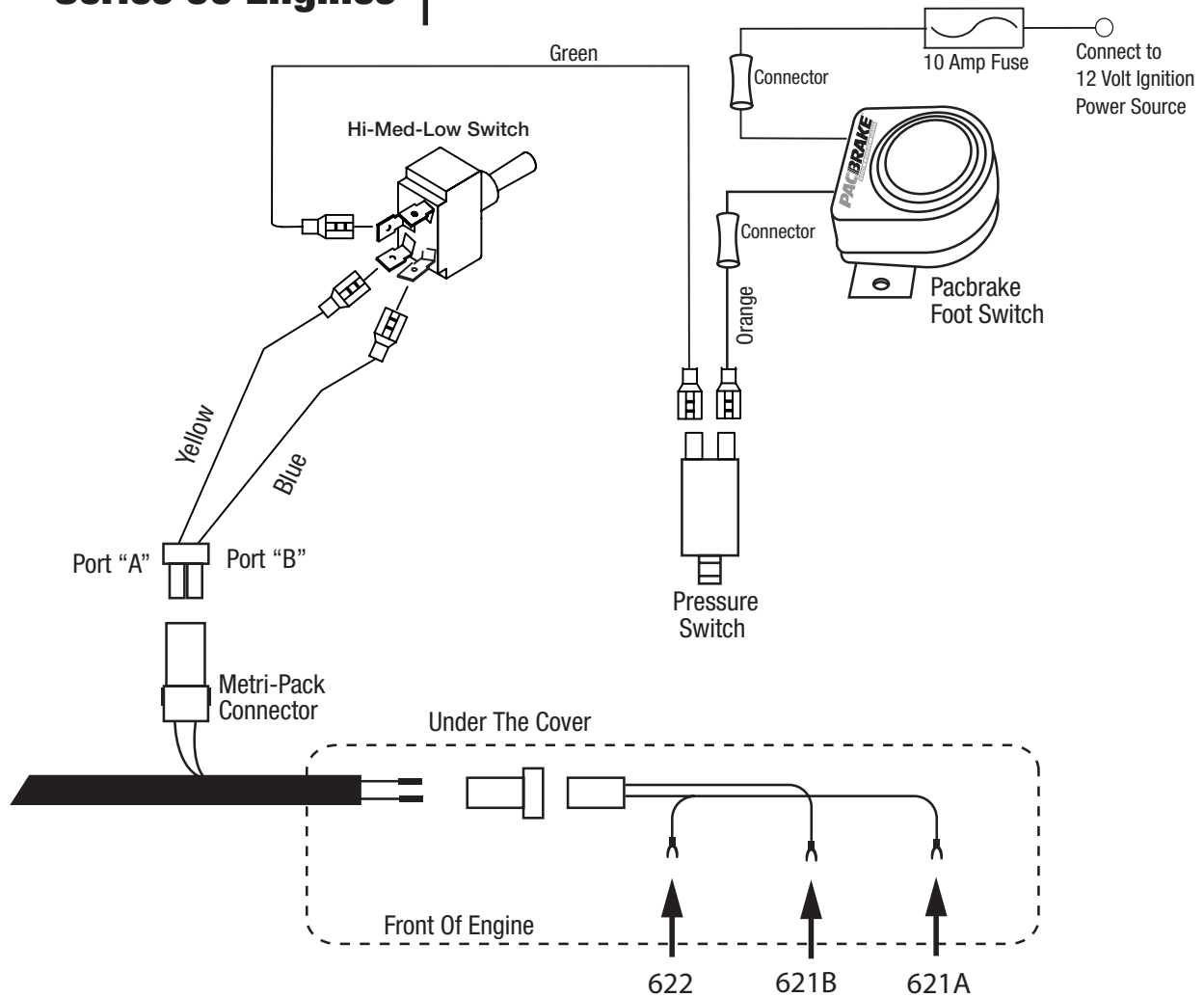
Installation Procedure For A P60154 Kit

- 1** Connect the RED fused wire of the Pacbrake harness to an ignition power source under the dash.
- 2** On the floor and in a convenient location to the driver's left foot, mount the foot switch using the 2 self-tapping screws provided. Connect the red fused wire to one of the foot switch wires using a heat shrinkable butt connector provided.
- 3** Locate and drill a 1/2" hole to accommodate the Hi/Med/Low dash switch. Be sure that this switch location is in an easily accessible location for the driver.
- 4** In the air brake application line, locate a port to install the pressure switch with the fittings provided. The pressure switch must see air brake application pressure to enable the engine brake. Use pipe sealant to prevent air leaks.
- 5** Using another heat shrinkable butt connector, crimp the orange wire to the remaining wire from the foot switch. Run the other end of the wire out through the firewall and install the shielded spade terminal onto one side of the pressure switch.
- 6** Install the shielded spade terminal on the green wire onto the other side of the pressure switch. Run the other end of the green wire through the firewall to the dash switch. Crimp on a spade terminal and connect it to the Hi/Med/Low dash switch center terminal.
- 7** Connect the metri-pac connector of the blue and yellow harness supplied to the engine brake through head harness. Route the blue and yellow wires to the Hi-Med-Low switch and connect as shown in the schematic.
- 8** Crimp on the two remaining spade terminals and connect the blue and yellow wires to the bottom terminals of the Hi/Med/Low dash switch as shown in the schematic. Install the switch with dash plate.

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- 9** Finally, use the conduit provided to shield the blue and yellow wires under the hood from the Metri-pac connector to the firewall. Also shield the orange and green wires from the pressure switch.
- 10** Using the tie-straps provided secure all the wiring and conduit.
- 11** Apply the decal provided to the visor in clear view of the driver.



TESTING THE SYSTEM

Start the vehicle and allow it to idle until the engine is warm. Turn the Hi-Med-Low switch to LOW and then depress the foot switch, the engine brake MUST NOT ACTIVATE. Then with the foot switch still depressed press on the service brakes, the engine brake should apply in the low position. Release the service brake pedal and the engine brake should turn off. Then perform the same test, this time once the engine brake activates release the foot switch and the engine brake should release. Road test the vehicle performing the same tests as above with the Hi-Med-Low in each of the three positions.