



# APE SERVICE BULLETIN

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# #49 CLAMP PRESSURE TRANSDUCER UPDATE

Upgrading your power unit to a pressure transducer from a pressure switch

### Requirements:

- Update Kit (P/N: 2006120)

### Includes:

1. Wiring harness (P/N: 2005067)
2. 3pin male Deutsch to 4pin female Deutsch Adapter (P/N: 2005065)  
(Required if old pressure switch is used) - store in control panel
3. #6 SAE male to #4 SAE female adapter (P/N: 2005064)
4. 6" Zip Ties (P/N: 2005066)
5. 6000 PSI Pressure Transducer (P/N: 1005409)



Image 1.

- Latest software update (downloaded from Vault) See Service Bulletin # 52 to load software.
  - Unplug existing 3-pin Deutsch pressure switch on the clamp manifold, (See image 1)
  - Remove the existing 3-pin Deutsch connector from main wiring harness, (flying leads)
  - Insert black wire in position 4 on 4 pin male Deutsch connector (See image 2)
  - Insert blue/white wire in position 1 on 4 pin male Deutsch connector. (See image 2)
  - Insert red wire in position 2 on 4 pin male Deutsch connector. (See image 2)
  - Install orange keeper
  - Route the blue/white wire into existing wiring harness to the control panel into plug P1 (See image 3)
  - Remove white plug in position 1, plug 1, insert blue/white wire into position 1, plug 1
  - Use zip ties to secure blue wires along existing wiring harness
1. Remove pressure switch from clamp manifold, replace with adapter and transducer
  2. Rotate pressure transducer block facing down.
  3. Plug 4-pin Deutsch connector into pressure transducer

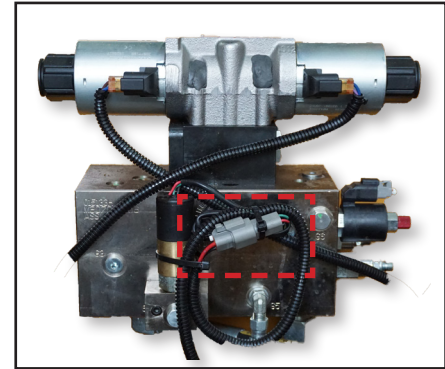


Image 2.

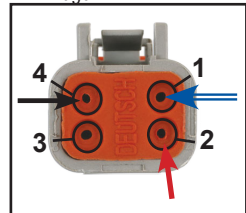
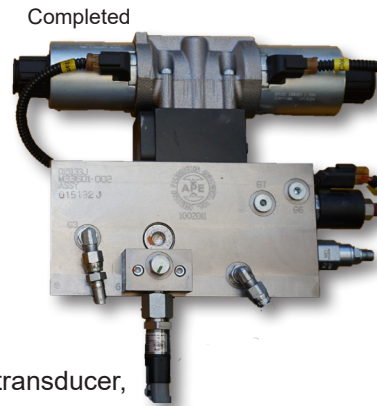
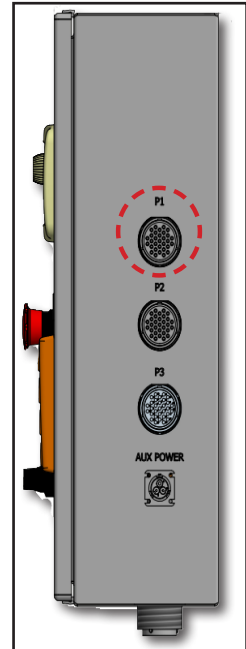
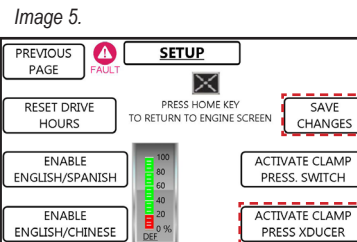


Image 3.

- Once you removed the old pressure switch and installed the pressure transducer, you will need to update the software.
- Update control panel to version to 17.6 or later and display (HMI software version to 9.6) (See Service Bulletin #52 to update display)
- Wait for control panel to reboot
- Go to engine screen
- Hold upper two left button to get into the back screen (see image 4)
- In the Setup Screen, select activate Clamp Pressure Xducer (see image 5)
- Select save changes and you have completed the update.

Read Service Bulletin #41 to adjust  
Clamp closed pressure



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