

Change Bulletin

No: CB014

Rev: 0

Date: 20 July 2007

Description: Addition of Flow Control Valve



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BACKGROUND INFORMATION:

On the 250 TON EMI 400 top drives that incorporate a pressure switch manifold, a condition was identified where both the Forward and Reverse Pipe Handler pressure switches would actuate due to a command in either direction. An investigation indicated that excessive back pressure in the return line was causing the false indication in the return line. To address this issue, flow control valves have been added to reduce the hydraulic flow rate on the pipe handler and eliminate the faulty indication.

This change is fully documented in ECN-130-0011.

AFFECTED PRODUCT:

This change is applicable to all 250 TON EMI 400 top drives that incorporate a pressure switch manifold manufactured prior to March 2007.

ACTION REQUIRED:

The addition of the flow control valves in a non-essential upgrade that may be added to the top drive when a unit is brought into a TESCO Service Centre for routine maintenance. This addition may also be done in the field by updating to match revision 6 or greater of part # 730800 (Kit, Aux Hydraulic, EMI 400, w/PC Pump, Pressure Switch), which includes the addition of the following parts to the unit:

- 0022 Valve, Control, 1/4" NPT, c/w Rev Flow Free Check (Item 8 in Figure 1)
- 0214 Fitting, Hyd, Str, #4MNPTx#6FJIC (Item 83 in Figure 1)
- 0289 Fitting, Hyd, Str, #6MJICx#4MNPT (Item 88 in Figure 1)

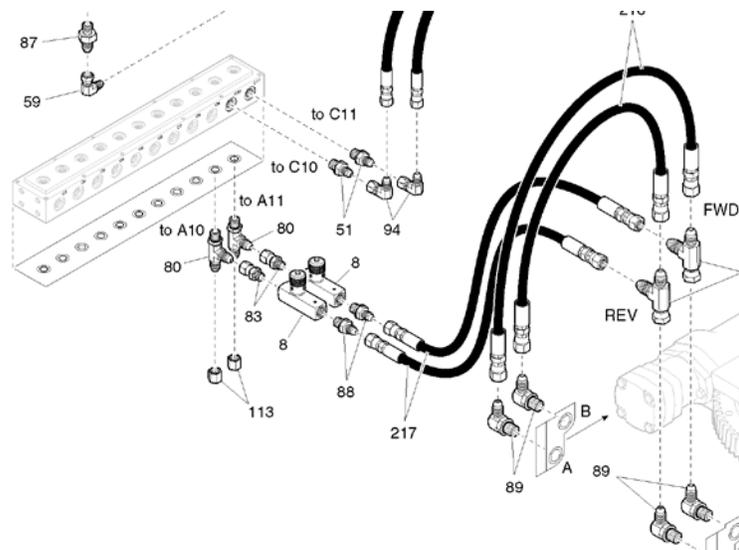


Figure 1 – Addition of flow control valves (Item 8)

Contact your local TESCO Parts and Service Center for further information regarding this bulletin and or supply of affected components noted above.