

Safety Bulletin			 <p>Tesco Corporation 5616-80th Avenue SE Calgary, Alberta, Canada T2C 4N5 Tel: 1-877-TESCO-77 (North America) Tel: 1 (713) 359-7195 (AMSS 24-hour support) Tel: (713) 359-7295 (International) Email: bulletins@tescocorp.com www.tescocorp.com www.tescoparts.com</p>
No: SB055	Rev: 0	Date: 04 April 2011	
Casing Drive System (CDS) Control Panel Lever Operation			

ATTENTION USERS OF

TESCO CDS Control Panels

**THIS BULLETIN CONTAINS IMPORTANT SAFETY AND TECHNICAL INFORMATION
CONCERNING THE OPERATION OF THE CDS CONTROL PANEL**

INTRODUCTION

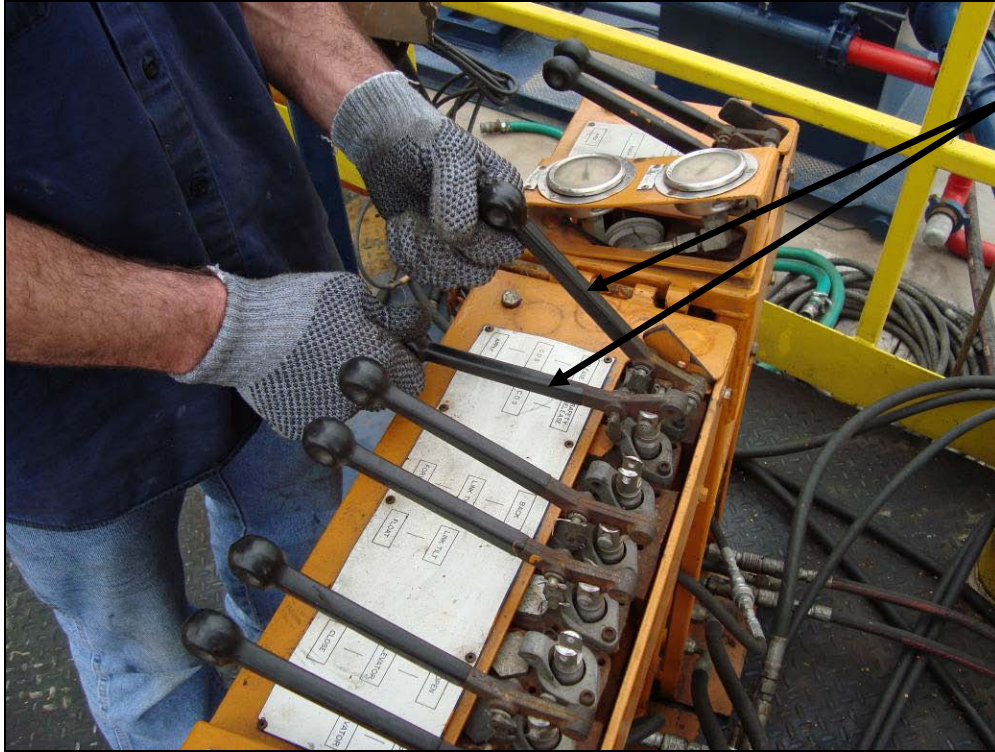
TESCO has identified an inconsistency in the operation of the CDS Control Panels. On all panels the Safety **RELEASE** lever must to be plumbed in the same manner. However, there are several panels where the Safety Release valve is plumbed and labeled incorrectly. The incorrect method is to have the Safety Release valve activated by moving the lever up (see Figure 1). This is not correct and can lead to un-intended dropped objects. There is the risk of inadvertently bumping into the control panel levers while on the rig floor and activating multiple valves unintentionally.

All the function levers work in pairs where the right lever is the Safety Release interlock and left lever is the hydraulic valve that allows hydraulic oil to flow to the cylinders. All four functions on the panel (CDS, Tilt, Elevator, Slips) should be plumbed in a manner where the Safety Release interlock (right lever) must be pushed down before the hydraulic valve (left lever) is allowed to operate. Figure 2 shows proper control arrangement of the function levers.



The cylinder is activated by moving the Safety Release interlock in the same direction as the cylinder valve. This is not correct and can lead to unintended dropped objects.

Figure 1: Improper Control Arrangement



The cylinder is activated by moving the Safety Release interlock in the opposite direction as the cylinder valve. This is the correct method for plumbing this panel.

Figure 2: Proper Control Arrangement

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AFFECTED PRODUCTS

All hydraulic CDS control panels are affected.

TESCO PART #	DESCRIPTION
720392	Panel,Control,Std/Zone 1,HPU,CDS
5001428	Assembly,CDS Control Stand,c/w Interlock

ACTION REQUIRED

TESCO requires the implementation of the following global preventative measures to minimize any risk of unintentional release of the CDS, Elevators or Slips. See Appendix A for further information.

Figure 3 shows the CDS control panel with the correct position for Safety Release interlock and pilot lines. Figure 4 and Figure 5 show correct labeling of control functions. To ensure proper control operation, review the CDS hydraulic schematic (Figure 6). Note that the fittings and plugs can normally be re-used. On some panels a new hydraulic hose may be required.

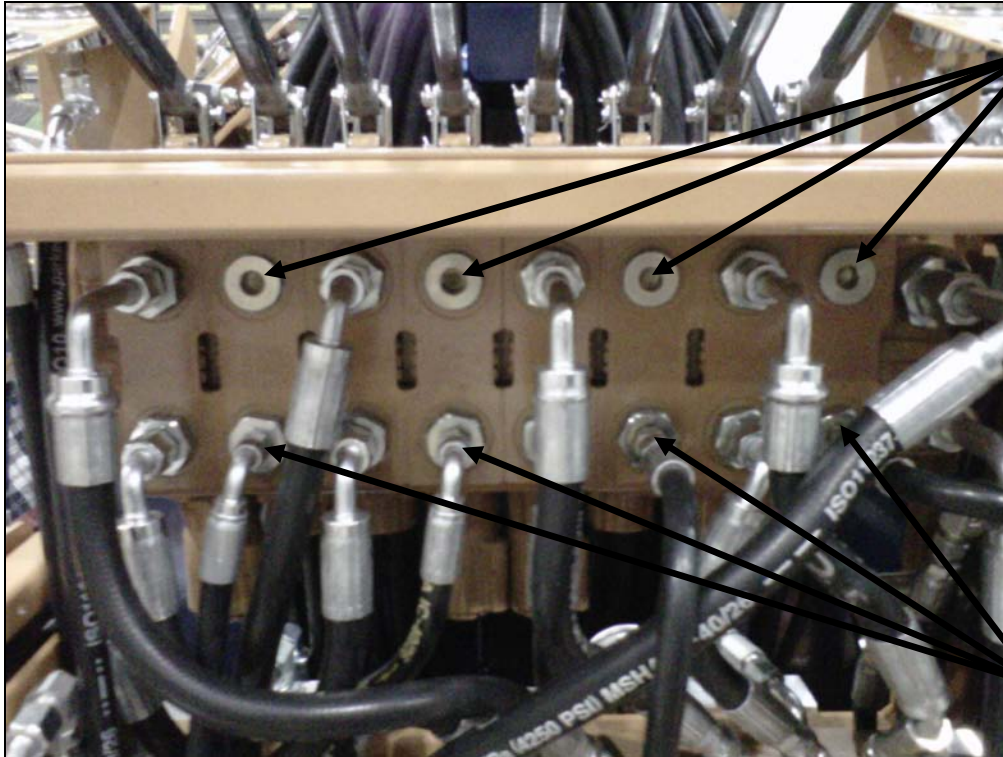
All TESCO Business Units are responsible for ensuring they comply with the CDS Installation and Maintenance Guides to effectively and safely operate the CDS equipment.

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

Version	Date (D/M/Y)	Description of Bulletin Changes
Rev 0	04/04/2011	Initial release of document

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Port "A" Locations.
This is the correct position for the Safety Release interlock plugs.

Port "B" Locations.
This is the correct position for the Safety Release pilot lines.

Figure 3: Control panel showing correct position for Safety Release interlock and pilot lines

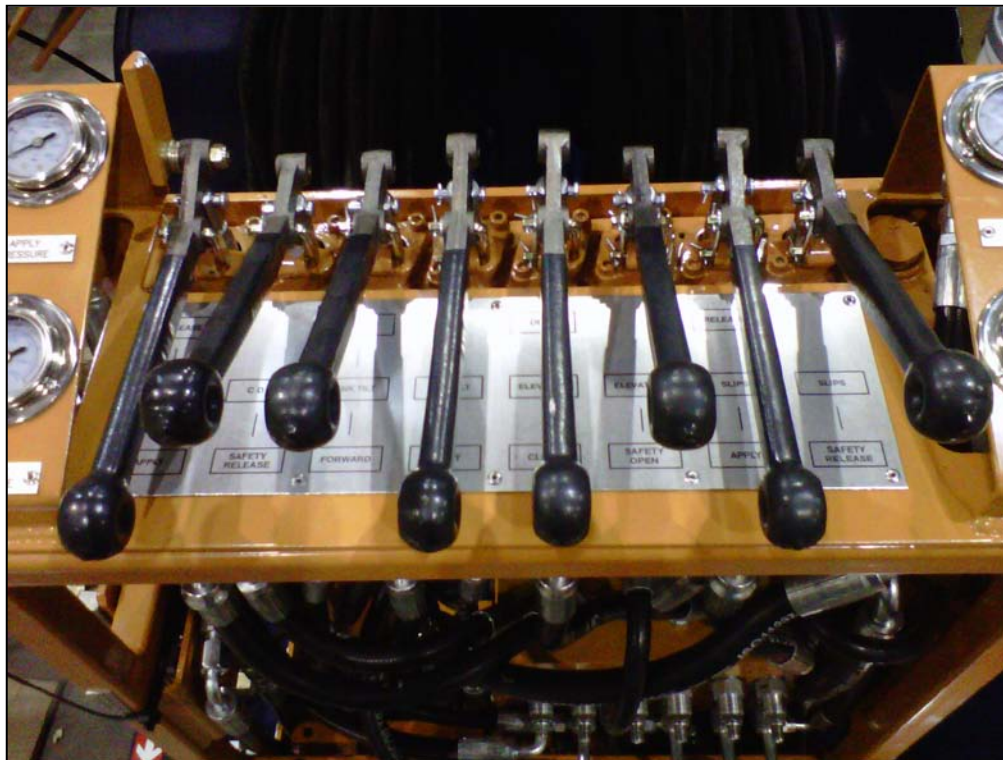


Figure 4: Panel showing correct labeling of control functions

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Appendix A

Date	Action Required	Action Taken	Responsibility	Target Date	Close Date
	Create a complete list of CDS control panels currently in operation		BU/TMF	18-04-11	
	Identify which panels are not marked using the new method		BU/TMF	25-04-11	
	Create new permanent panel labels. Order and ship the new labels to BU's		TMF	25-04-11	
	Change hose location(s) on panels to have all safety open functions operate in the downward position. Ensure temporary labels are affixed on the non-compliant units		BU Casing Ops Manager and Casing Technicians	Prior to next job	
	Ensure all modified panels are identified, tracked and entered into BU's CDS Control Panel spreadsheet.		BU Casing Ops Manager and Casing Technicians	02-05-11	
	Confirm units are updated. Have full detailed improvements relayed to TMF and QHSE to track changes.		BU Casing Ops Manager, QHSE and TMF	Ongoing – discussed at KPI and QHSES calls	
	Enforce that all field technicians be Briefed and informed in the compulsory change		BU Casing Ops Manager and Global Tubular Services Manager	Before Next Job	
	Update manuals and send to BU's, customers, etc.		BU/TMF	09-05-11	

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