

Technical Bulletin

TB061

Rev: 0

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350-EXI-600 Enhanced Upgrade Package



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BACKGROUND INFORMATION:

Since its introduction TESCO's 350-EXI-600 top drive system has received a number of design updates, which were developed to enhance operational performance. TESCO's enhanced upgrade package will incorporate design updates, as well as ensuring that previously incorporated Technical, Change and Safety Bulletins conform to the TESCO standard of excellence. The 350-EXI-600 enhanced upgrade package consists of the following:

- **Grabber Lift upgrades**
 - Addition of automated grabber lift on driller's panel
 - Updated grabber lift hydraulic circuit to increase performance
- **Gearbox and Lubrication Systems upgrades**
 - Change of bearings on intermediate shaft
 - Lubrication pump and cooler modification
- **PLC and Communication Network upgrades**
 - Update PLC codes to improve driller's panel function and to implement supervisory pipe handler lock
 - Replace the MODBUS with a Profibus system, to improve performance
- **Technical, Change and Safety Bulletins**
 - Ensure that previously included Technical, Change and Safety Bulletins conform to TESCO standards
 - Incorporate all current Technical, Change and Safety Bulletins where applicable

AFFECTED PRODUCT:

All 350-EXI-600 Top Drive Systems are eligible for the Enhanced Upgrade Package. All 350-EXI-600 Top Drive Systems manufactured prior to December 12, 2008 have been identified as being affected by this bulletin.

Unit numbers affected: 520, 521, 529, 537, 541, 594, 617, 620, 621, 625, 659, 675, 676, 687, 688, 706, 707, 708, 709, 710, 711 and 712

ACTION REQUIRED:

Caution! Due to the high degree of safety and control systems incorporated in all TESCO top drive units, **ALL** four upgrades must be installed to ensure the top drive system operates as intended and incorporates all safety and operational interlocks.

1. Due to the complexity of the upgrades, Top Drive Systems should be returned to the local TESCO Business Unit Service Centre, to receive the Enhanced Upgrade Package.
2. The following upgrade kits are required to complete the Enhanced Upgrade Package:

Part Number	Description
2270006	Kit, Upgrade, Lubrication, 350-EXI-600
2270007	Kit, Upgrade, Lock, Pipe Handler, 350-EXI-600
2270008	Kit, Upgrade, Grabber, Lift, 350-EXI-600
1730001	Kit, Upgrade, Profibus, 350-EXI-600

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