


<b>Technical Bulletin</b>				Tesco Corporation 3993 W. Sam Houston Pkwy N. Suite 100 Houston, Texas 77043 Phone: (713) 359-7000 <a href="http://www.tescocorp.com">www.tescocorp.com</a>
<b>No: TB056</b>	<b>Rev: 1</b>	<b>Date: June 4, 2010</b>		
<b>Kit, Upgrade, 20kW Brake Performance Upgrade for ECI Top Drives</b>				

**BACKGROUND INFORMATION:**

In an ongoing effort to improve existing equipment, TESCO has developed a 20kW brake system to absorb the electrical energy created by stick/slip drilling and unwind events. The fan forced air cooled 20kW brake is designed to operate at 100% duty cycle. This prevents nuisance tripping of breakers when drilling due to the brake's capacity to handle the generated electricity without reaching thermal saturation.

**AFFECTED PRODUCT: ECI-900 and ECI-1350 Top Drive Systems with MD500 VFDs delivered prior to June 2010**

TESCO upgrade kits, part number 2270000 (ECI-900) or 5001491 (ECI-1350), are designed for use with TESCO ECI power modules incorporating MD500 variable frequency drives.

**ACTION REQUIRED:**

The corresponding kits used in conjunction with the following reference material will allow the upgrade to be completed.

**Reference Materials:**

- Drawing: D2270000 (ECI-900) or D5001491 (ECI-1350)
- Work Instruction: WI-2270000 (ECI-900) or WI-5001491 (ECI-1350)

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