

Change 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: 1 (713) 359-7295 (International) Email: bulletins@Tescocorp.com www.Tescocorp.com</p>
No: CB065	Rev: 0	Date: October 16, 2017	
Service Loop End-of-Life and Upgrade for Tesco Electric Top Drives			
<input type="checkbox"/> Internal Use Only	<input checked="" type="checkbox"/> External Use	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Recommended

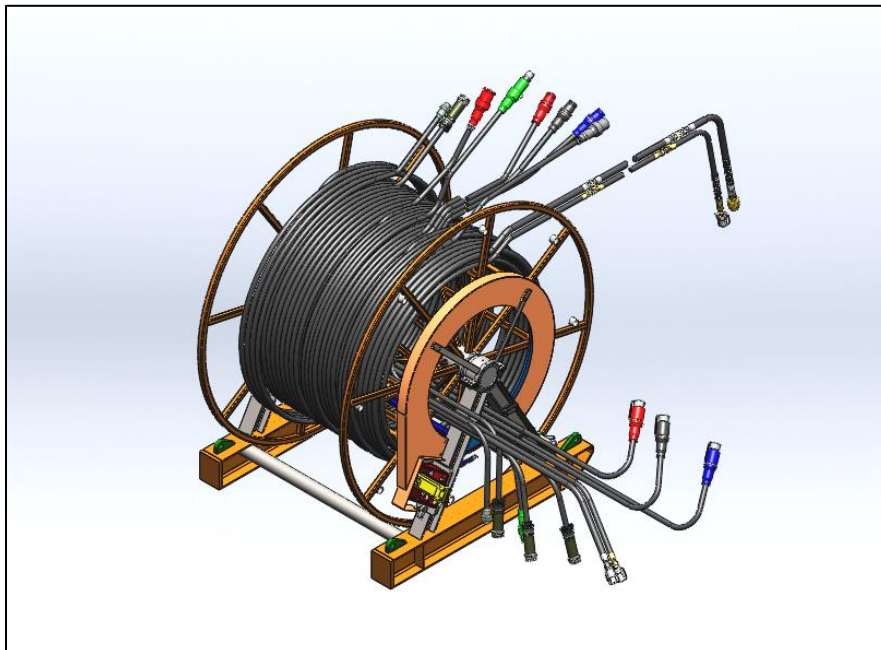
NOTE: All numbers are Tesco part numbers unless otherwise noted.

BACKGROUND INFORMATION:

Tesco is releasing a series of new service loop designs for a range of Tesco electric top drives. Tesco believes the new service loop designs will provide a more efficient means of supplying power and associated functionality for electric top drive operation in addition to the incorporation of mechanical protection, a feature frequently requested by clients. This coincides with new guidelines outlined in the forthcoming API Recommended Practice RP-14F (6th Edition - Design and Installation of Electrical Systems for Offshore Facilities) for electric top drive service loops, expected to be released in Q4 2017.

One of the future expected API recommendations is that electric top drive service loop cables should be manufactured as single-braided/shielded and/or VFD-rated composite cables. Both single-braided/shielded and VFD-rated composite cables provide additional mechanical protection against potentially hazardous harmonics and electromagnetic frequency (EMF) interference during top drive operation.

Figure 1: EMI service loop



AFFECTED PRODUCTS:

Existing service loops used with Tesco ESI, EXI and EMI electric top drives are as follows along with any derivative of those mentioned (i.e., extended lengths):

Table 1: Service loops to be discontinued

Service Loop	Description	Top Drive
5010510-2	Cord Set,Ext,69m,500-ESI-1350 (Use 5010510-3)	ESI-1350
5010510-3	Cord Set,Ext,69M,500-ESI-1350	ESI-1350
5050125	Assembly,Serv.Loop Ph Cables,54.5m,ESI-1350,Encased 45m Hose	ESI-1350
5062555_69	Hose Reel/ServiceLoop,1x777MCM,Camlock/Pyle,69m	ESI-1000
5043586	Service Loop,Encased in 75-ft Hose,81-ft Lg,ESI-1000	ESI-1000
5064510	Hose Reel/Service Loop,Complete,225-ft, 800HP,Generic	EXI-800
5056171	Hose Reel/Service Loop,Complete,225-ft,800hp	EXI-800
840069	Service Loop,225-ft lg,350-EXI-600	EXI-600
730780	Service Loop,225-ft lg,250-EMI-400	EMI-400

The following table comprises new service loops based on single-braided/shielded and VFD composite design:

Table 2: Single-braided/shielded service loops

Service Loop	Description	Top Drive
5067183	Kit,Upgrade Service Loop,ESI-1350,225-ft,w/Braided Power Phase Cables	ESI-1350
5067184	Hose Reel/Service Loop,Complete,225-ft,B/B,ESI-1350	ESI-1350
5067185	Cord Set,Ext,69m,B/B,225-ft,ESI-1350	ESI-1350
5067189	Kit,Upgrade Service Loop,ESI-1000,225-ft,w/Braided Power Phase Cables	ESI-1000
5067190	Hose Reel/Service Loop,Complete,225-ft,B/B,ESI-1000	ESI-1000
5067191	Cord Set,Ext,69m,B/B,225-ft,ESI-1000	ESI-1000
5068331	Kit,Upgrade Service Loop,EMI/EXI,225-ft,w/Braided Power Phase Cables	EMI/EXI
5068333	Hose Reel,Complete, EMI/EXI,225-ft,w/Braided Power Phase Cables	EMI/EXI
5068334	Service Loop,Cables/Hoses,69m lg,B/B,EMI/EXI	EMI/EXI
5068335	Cable Set,69m,Service Loop,Power,B/B,EMI/EXI	EMI/EXI

Table 3: VFD composite design service loops

Service Loop	Description	Top Drive
5068918	Kit,Upgrade,Service Loops,w/Composite VFD cables,25m & 45m,ESI1350	ESI-1350
5068917	Kit,Upgrade,Service Loops,w/Composite VFD cables,25m & 45m,ESI1000	ESI-1000
5068919	Assembly Cable,VFD Composite,Service Loop,Power Connection,ESI,45m,Static	ESI
5068921	Assembly Cable,VFD Composite,Service Loop,Power Connection,ESI,25m,Dynamic	ESI

ACTION REQUIRED:

Beginning October 2017, Tesco transitions to the new single-braided/shielded and/or VFD composite service loop designs for EXI-800, ESI-1000 and ESI-1350 Tesco electric top drives, and will no longer manufacture, supply and/or support service loops based on the current design. All other electric top drive models will be transitioned to the new designs by the end of 2017.

A typical electric top drive service loop has an estimated life expectancy of three (3) years. For service loops currently deployed in the field that are three (3) years or older, Tesco believes those service loops have reached their end of life and recommend the new service loop designs be used as replacement parts for any upgrades.

Contact your local Tesco Service center to hear more about the new service loops and upgrade options available.

Version	Date (D/M/Y)	ECN	Description of changes
Rev 0	16/10/2017	157-0098	Initial release of document

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