

PRODUCT BULLETIN

NUMBER: WRENCH 010

PRODUCT: TM-80 TM-120 DATE: August 15, 2011

Encoder/Rotate Motor Guard/Cable

Guide

SUBJECT: Cable Guide / Encoder Guard

SERIAL NUMBERS: ALL TM Series Wrenches

DISCUSSION: There is potential for the hydraulic hoses and cables to become trapped behind the rotate motor and encoder (if present) during wrench operation. See Figure 1.

Hoses/cables can get caught on motor (shown) or encoder (not show).

Figure 1: TM-80 without Cable Guide/Encoder Guard



Figure 2: TM-80 Wrench with Cable Guide/Encoder Guard Installed

RECOMMENDATION:

Installing the Encoder Guard will help prevent cables and hoses from catching on the motor or encoder as well as providing added protection during standard rig operations. See Figure 2.

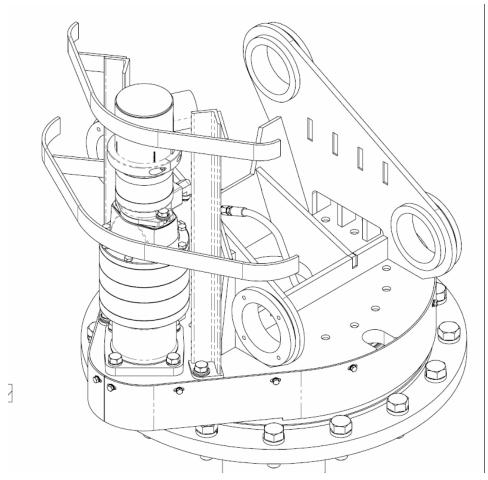


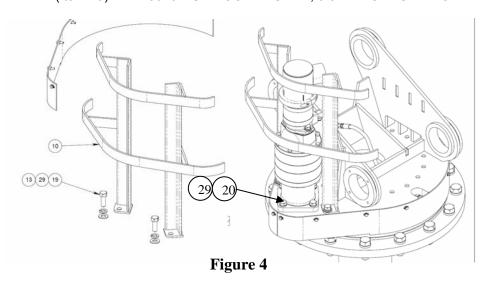
Figure 3

In order to complete the retrofit, the following parts are needed:

1 EA – AY50832 – KIT, GUIDE, CABLE BUNDLE, TM-80/120

The retrofit kit consists of these parts [reference Figure 4]:

- 1 EA (Item 01) M13618 DRILL BIT, 17/32, JOBBER
- 1 EA (Item 02) M13619 TAP, 5/8-11 UNC, RH, SPIRAL POINT
- 1 EA (Item 10) DT50452 GUIDE, CABLE BUNDLE, TM-80/120
- 2 EA (Item 13) FW-0625-A WASHER, F, 5/8, PLAIN, TYPE A
- 2 EA (Item 29) HH-0625NC-0175-GR8-W CAPSCR, HEX HD, 5/8-11UNC x 1.75, GR8, W
- 2 EA (Item 19) LW-0625-HS LOCKWASHER, 5/8 HELICAL SPRING



Installation Instructions:

- 1. Mark location for drilling bolt holes on Upper Plate Weldment [Figure 5].
- Remove Rotate Motor Assembly if required for drilling:
 - a. Unbolt four (4) 5/8-11UNC x 2.25 hex head bolts (Item 20) attaching motor to Upper Plate Weldment
 - b. Carefully store assembly and hardware while commencing work on Upper Plate Weldment
- 3. Drill and tap bolt holes for Cable Bundle Guide. Deburr as needed. Paint with appropriate color rust prevention paint (i.e. Rustoleum).
- 4. Apply Blue Locktite and bolt motor assembly back into place with four (4) 5/8-11UNC x 2.25 hex head bolts (Item 20).
- 5. Bolt on Cable Bundle Guide with two (2) 5/8-11UNC x 1.75 (Item 19), two (2) 5/8 helical spring lock washers (Item 29), and two (2) 5/8 plain type A flat washers (Item 13). Use Blue Locktite.

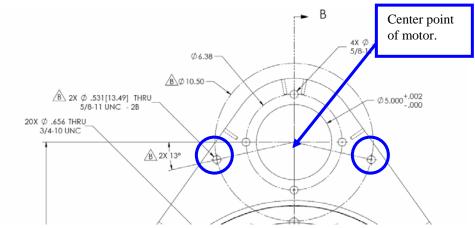


Figure 5

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