

# Service Procedure COL-213

Rev 6/21

#### J19-6032 Steering Column Right Hand Stalk Remove and Replace Procedure

#### Use when installing service kit 480898X1 through 480925X1

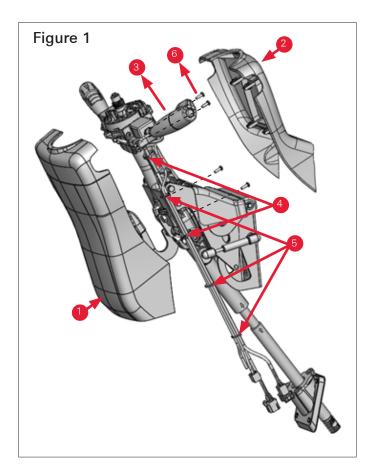
This ZF Commercial Steering Division installation procedure has been written to help you replace shift stalks on global columns. This procedure should not replace your manuals; you should use them together. These materials are intended for use by properly trained, professional mechanics, NOT "Do-it-yourselfers".

#### Tool List:

- Torque wrench capable of measuring up to 40 in-lb
- #2 Phillips drive bit
- #2 Phillips screw driver
- Side-Cut pliers

#### **Column Components:**

- 1. Back Shroud
- 2. Front Shroud
- 3. Right Hand Stalk
- 4. Large Cable Tie (2)
- 5. Small Cable Tie (3)
- 6. Shroud and Stalk mount screws (6)

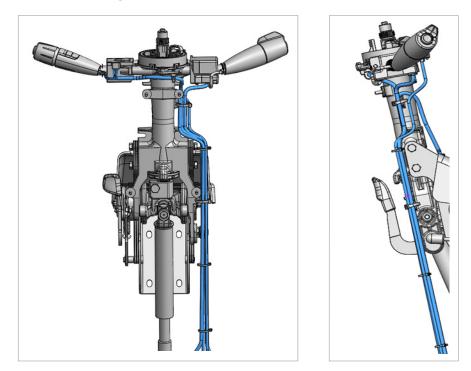






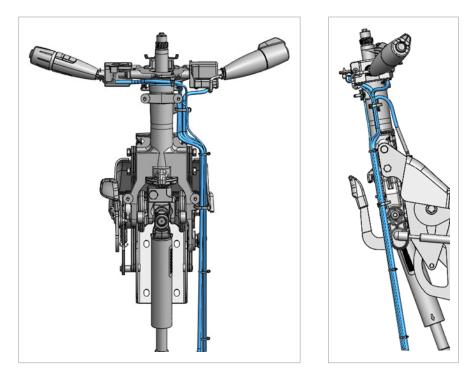
### **COLUMN OVERVIEW – CLOCKSPRING**

Before starting service replacement work, note the harness routing shown below.



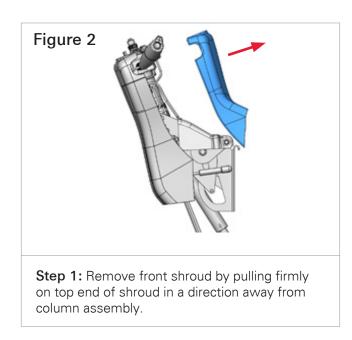
## **COLUMN OVERVIEW – HORN CONTACT**

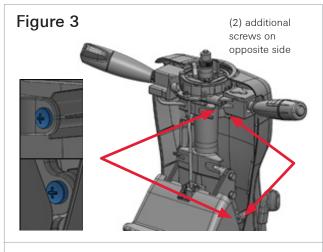
Before starting service replacement work, note the harness routing shown below.





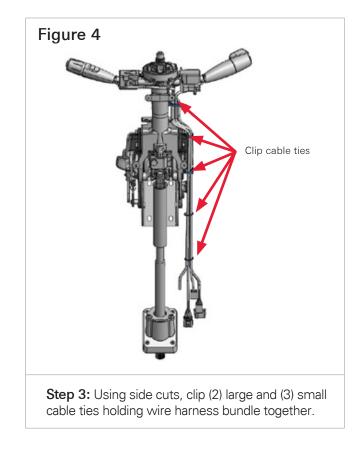
### **DISASSEMBLY PROCEDURE**





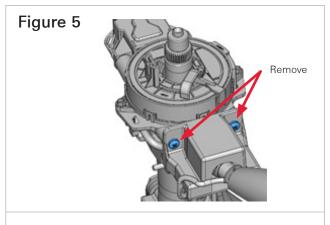
**Step 2:** Remove (4) shroud screws using #2 Phillips screw driver.

TRW Commercial Steering Systems www.trucksteering.trw.com 800 Heath St. Lafayette, IN 47904 Ph: 800.879.0899 Fx:765.429.1616 css.trucksteering@trw.com



#### WARNING

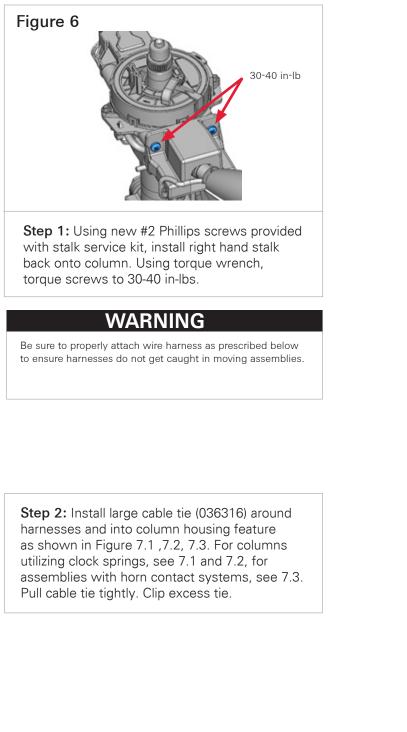
Be sure **NOT TO CLIP OR PINCH** wire when clipping cable ties.

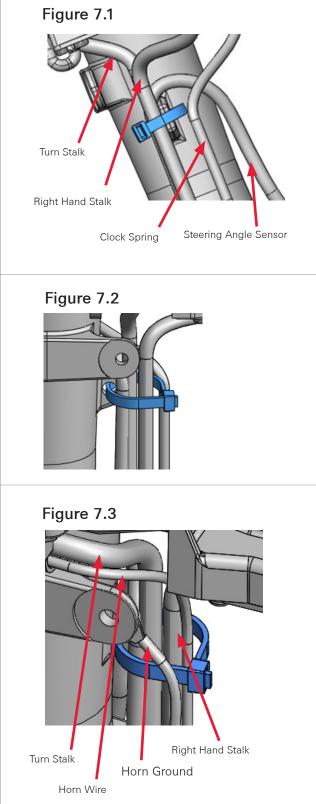


**Step 4:** Using #2 screwdriver, remove (2) screws holding right hand stalk to column housing.



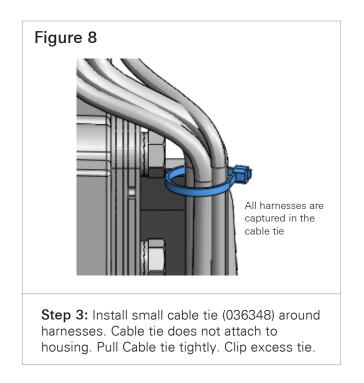
### **REASSEMBLY PROCEDURE**

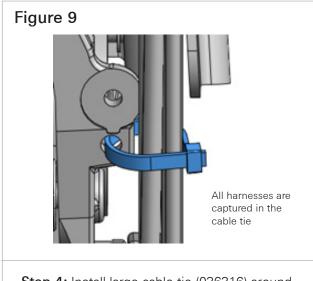




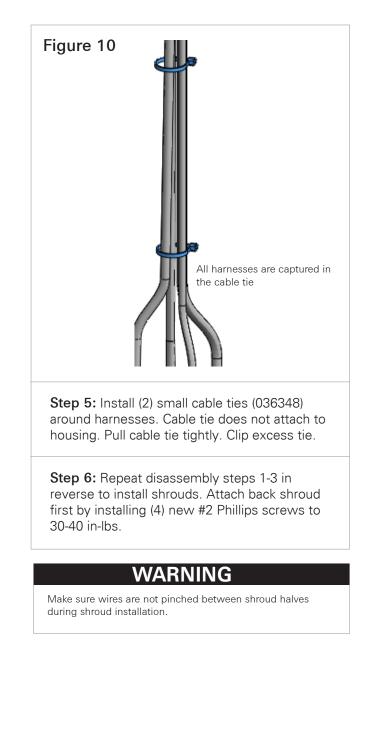


## **REASSEMBLY PROCEDURE continued**





**Step 4:** Install large cable tie (036316) around harnesses and into column housing feature as shown. Pull cable tie tightly. Clip excess tie.

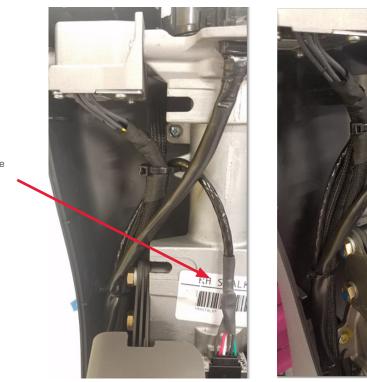




#### **APPENDIX A – HORN CONTACT**



#### **APPENDIX B – CLOCKSPRING**





If column does not contain SAS, SAS harness will not be included in column and cable tie.