



Viscous Driveline Damper Installation Instructions

Rev 1

11/27/18

Included Hardware

1. Companion Flange (Dana 6.5-1-2911)
2. Viscous Driveline Damper
3. Flange Yoke *
4. Weld Yoke (application specific, not shown)†

* Note, flange yoke style/dimensions may vary depending on driveline series.

† If the driveline series is Meritor RPL25, a Dana 1810 Series weld yoke will be provided to couple with the 1810 flange yoke. The 1810 weld yoke will need to be welded on the first driveshaft tube when shortened (transmission end)

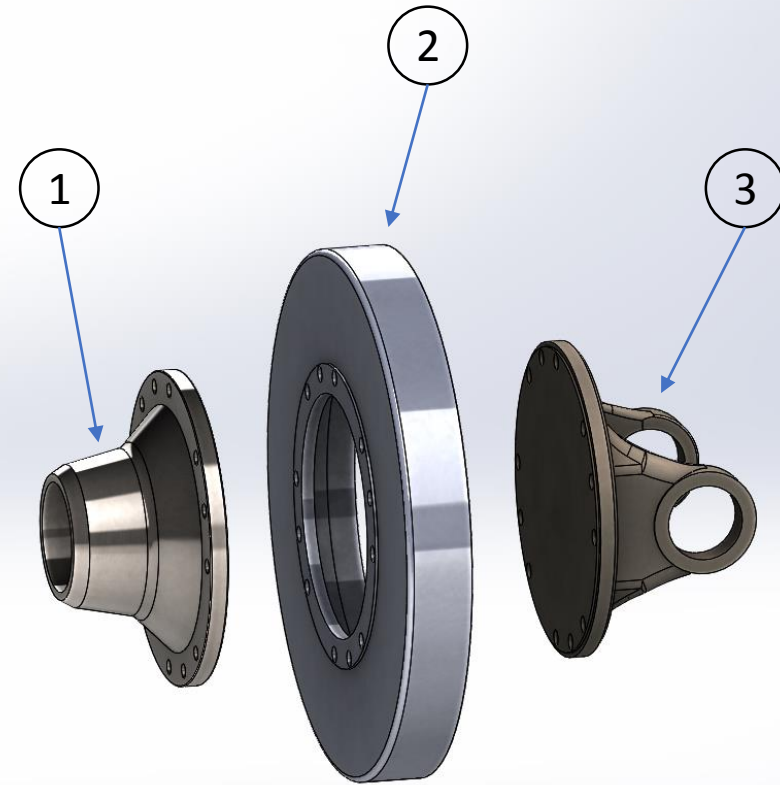


Figure 1

Initial Steps

- Remove the 1st driveshaft behind the transmission
- Remove the transmission output yoke
- Replace the transmission output yoke with the companion flange included in the kit, and torque the output shaft nut to transmission manufacturer's specified torque.

Damper Installation

Important! Take great care not to dent, ding, or damage the housing of the damper during installation, as this could adversely affect its performance.

1. Carefully install the damper and flange yoke on the companion flange. Note that all three items are piloted and take care to make sure they seat properly (Figure 2).
2. Bolt all parts together with 7/16 fine thread, grade 8, bolts/nuts/lock washers. (i.e. twelve 7/16-20 x 1.75" grade 8 bolts, twelve 7/16-20 grade 8 nuts, and twelve 7/16 grade 8 lock washers). Torque to 58 ft-lb.
3. Once the damper and flange yoke are installed on the back of the transmission, measure from the u-joint centerline on the flange yoke (Figure 2) to the u-joint centerline at the next yoke in the system to estimate the final driveshaft length. Note, typically the driveshaft will need to be shortened ~ 1.5 inches.
4. Have a competent driveline shop shorten the driveshaft to the correct length. Then install the shortened driveshaft. Note, if the driveline is Meritor RPL25, supply the driveline shop with the 1810 weld yoke provided in the kit.

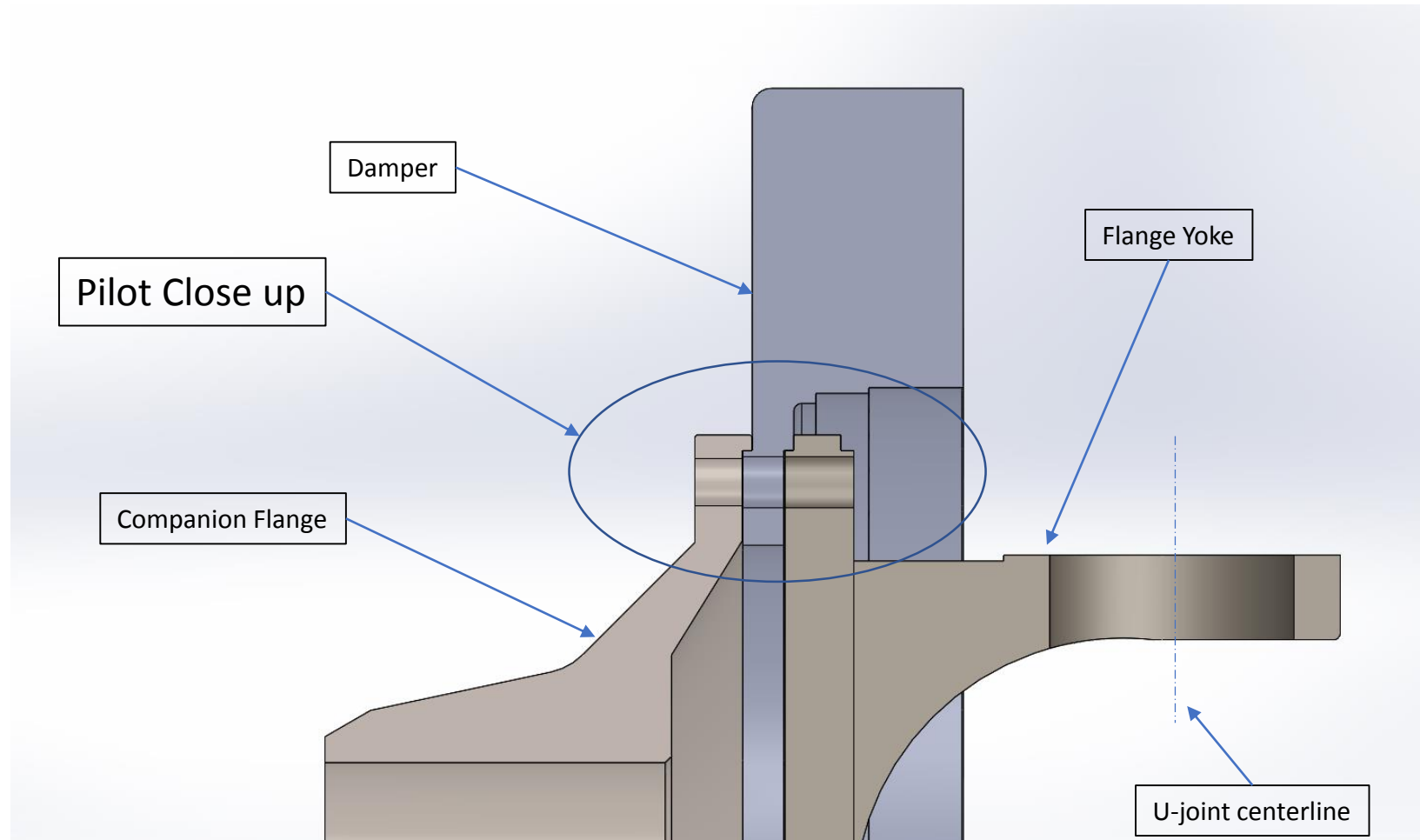
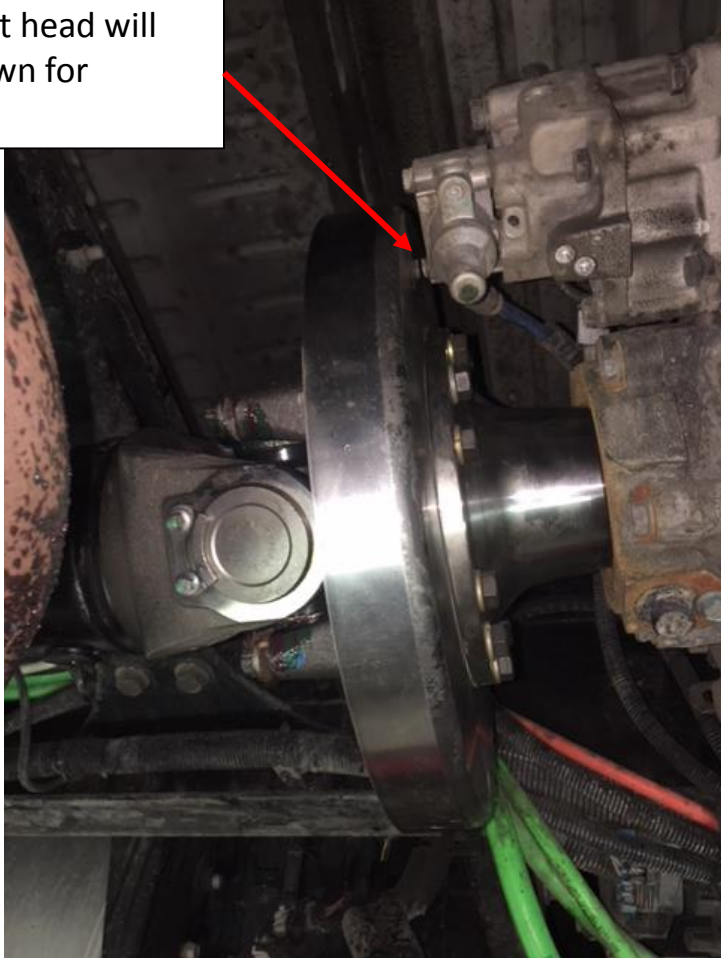


Figure 2

Installation Example

Note: On some Eaton automated transmissions, this bolt head will need to be ground down for damper clearance.



TVT Contact Information

- For installation questions/issues, contact TVT

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