

# **INSTALLATION INSTRUCTIONS**

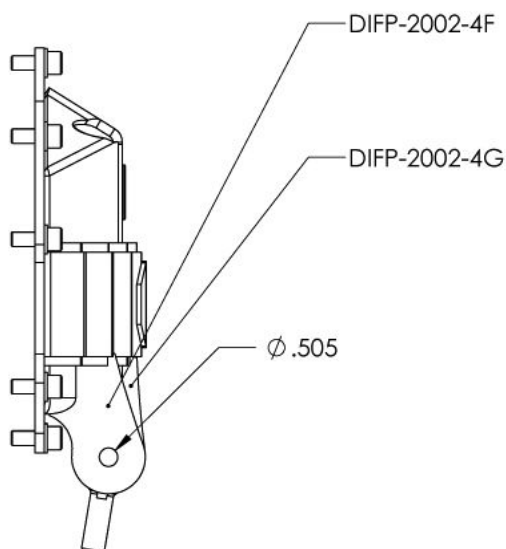
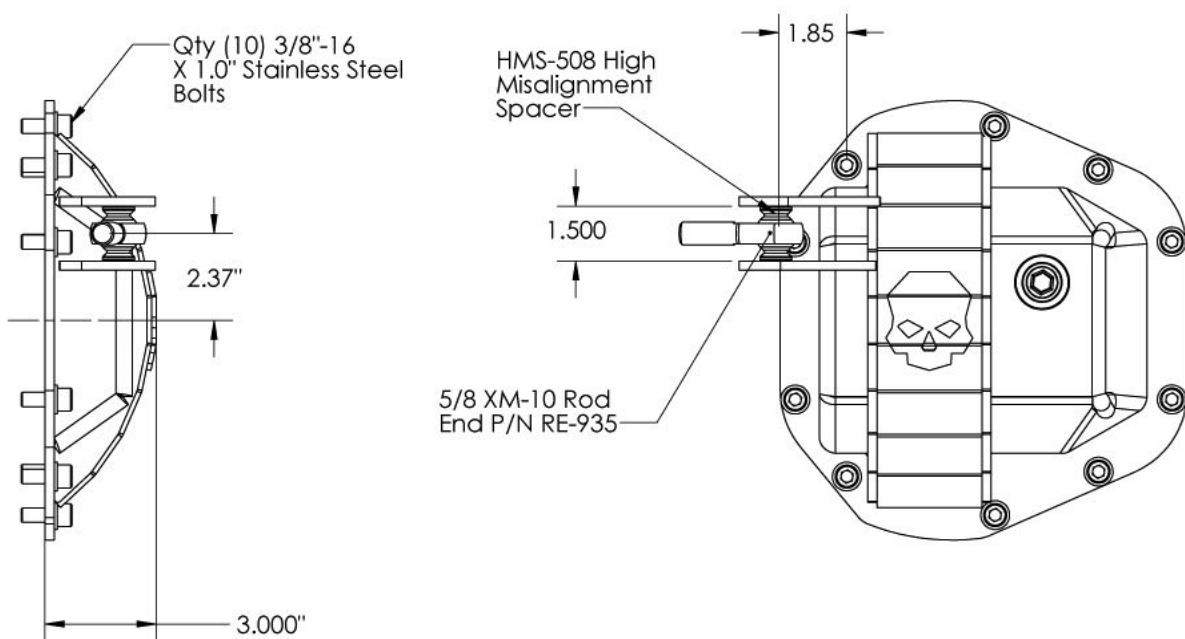
## **DIF-2002-4 Ford Superduty Dana 60 Differential Cover**

**Ballistic Fabrication produces products for custom vehicles. Many products require general welding and fabrication skills. Welding should only be done by a competent welder. Ballistic Fabrication is not liable for improper installation. Check with local laws if your vehicle is driven on the street as some Ballistic Products may not be street legal in all states.**

## Specifications

- DIF-2002-4 is designed as a direct replacement for Ford Superduty Dana 60 axles from 1999-2017. Will also fit Dana 50 axles of the same year range.
- Ultra thick 3/8" flange.
- 1/4" body.
- Clears factory tie-rod.
- Threaded fill plug TIG welded in place.
- Ten 3/8"-16 x 1" Grade 8 stainless steel bolts included to mount diff cover.
- All holes are machined after welding to ensure proper locations.
- Flange is machined perfectly flat after welding for a good seal.

**NOTE:** Due to variations in drag link configurations please measure clearance between cover and drag link prior to ordering.



## Additional Items

- Hydro-assist ram mount. (optional extra)
- Use with 1.5" OD Tube clamp (in related items) to mount ram to tie-rod.
- $\frac{5}{8}$ " XM-10 Rod End, Part number RE935
- $\frac{5}{8}$ " x 2  $\frac{1}{2}$ " Grade 8 bolt

## Installation

- Clean any loose dirt from around the differential cover to avoid contaminating the differential cavity.
- Position a fluid drain reservoir under the differential and loosen all differential cover plate retaining bolts.
- Gently pry the cover plate away from the differential housing to completely drain all differential fluid.
- Once drained, remove the differential cover. This is a good time to inspect the differential components, inspect the oil and the bottom of the housing for metal particles which may indicate a worn bearing or differential component.
- Clean all oil residue off the differential housing. It may be necessary to scrape old gasket material off of the housing with a scraper or razor blade.
- Place the Differential Cover in position on the differential housing to ensure adequate clearance to surrounding components.

NOTE : Checking for clearance between diff cover and all internal parts is crucial before tightening the cover bolts. Failure to do this may cause damage to your differential.

- If using the optional Ram Mount;
  - Bolt both Ram Mounts to the Rod End and position on the Differential Cover.
  - Tack in place.
  - Remove the Differential Cover, remove the Rod End, and finish welding in the Ram Mounts.
- Paint or Powder Coat the Differential Cover.
- Apply gasket sealant, or a replacement gasket to the flange of the differential housing.
- Install the Differential Cover onto the housing and screw in the bolts.
- Torque bolts to 45 ft-lbs.
- Fill the differential with the appropriate oil until it reaches the bottom of the fill hole.
- Install the fill plug.