



INSTALLATION INSTRUCTIONS

Differential Covers

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.

Associated Part Numbers

DIF-2001-05S - 14 BOLT SHAVE KIT (Standard)
DIF-2001-05M - 14 BOLT SHAVE KIT (Metric)
DIF-2001-06S - 14 BOLT SHAVE KIT WITH TRUSS RING (Standard)
DIF-2001-06M - 14 BOLT SHAVE KIT WITH TRUSS RING (Metric)
DIF-2002-4 - FORD SUPERDUTY DANA 60 DIFFERENTIAL COVER
DIF-2002-2 - DANA 60 DIFFERENTIAL COVER
DIF-2002-5 - DANA 60 DIFFERENTIAL COVER WITH TRUSS RING
DIF-2002-3 - DANA 60 SHAVE KIT
DIF-2003-3 - JEEP RUBICON DANA 44 DIFFERENTIAL COVER
DIF-2010-2 - AAM 9.25 DIFFERENTIAL COVER
DIF-2006-2 - STERLING 10.25 AND 10.5 DIFFERENTIAL COVER
DIF-2001-02 - 14 BOLT DIFFERENTIAL COVER (Standard)
DIF-2001-02M - 14 BOLT DIFFERENTIAL COVER (Metric)
DIF-2001-04 - 14 BOLT DIFFERENTIAL COVER WITH TRUSS RING (Standard)
DIF-2001-04M - 14 BOLT DIFFERENTIAL COVER WITH TRUSS RING (Metric)
DIF-2003-2 - DANA 44 DIFFERENTIAL COVER
DIF-2010-1 - HIGH CAPACITY AAM 11.5 DIFFERENTIAL COVER (Dodge)
DIF-2010-3 - HIGH CAPACITY AAM 11.5 DIFFERENTIAL COVER (Chevy)
DIF-2017-1 - PROROCK 60 DIFFERENTIAL COVER
DIF-2007-2 - DANA 30 DIFF COVER WELDED
DIF-2005-2 - DANA 35 DIFF COVER
DIF-2018-2 - NISSAN M226 DIFFERENTIAL COVER
DIF-2008-2 - FORD 8.8 DIFFERENTIAL COVER
DIF-2011-1 - DANA 70 DIFFERENTIAL COVER
DIF-2009-2 - NISSAN C200 DIFFERENTIAL COVER
DIF-2015-1 - CHRYSLER 9.25 DIFFERENTIAL COVER
DIF-2016 - GM 14 BOLT 9.5: SEMI FLOAT DIFFERENTIAL COVER
DIF-2016-1 - DANA 80 DIFFERENTIAL COVER

Specifications

- Ballistic Fabrication Differential Covers are designed for the utmost in protection.
- Ultra thick $\frac{3}{8}$ " flange.
- Most have $\frac{3}{8}$ " body, but some have $\frac{1}{4}$ " body.
- Threaded fill plug TIG welded in place, most models.
- 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 or custom applications, 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. Most Ballistic Differential Covers increase the fluid capacity of the differential.
- Install the fill plug.