

SVE 8.8" REAR AXLE DIFFERENTIAL COVER INSTRUCTIONS

(1) Axle Girdle



****NOTE:** When installing the new axle girdle, torque the bolts in a star pattern.
Reference the torque order in the image above.

Removal:

1. Safely support the car at the factory lift/support points or a vehicle lift.
2. Verify that the factory fill plug can be loosened and removed. This is done with a 3/8" extension and ratchet.
3. Place a drain pan under the differential housing. Loosen all existing 10 bolts securing the existing cover. Remove all 10 bolts.
4. Insert a wedge tool between the cover and housing, then pry the cover away from the housing allowing the fluid to drain.
5. Fully remove the top bolt and cover. Using a shop towel, remove the gear fluid that has settled at the bottom of the housing.
6. Cover the differential with a towel and thoroughly clean the housing mating surface. Use a gasket scraper to remove the old silicone and then scuff the surface with a mild scuff pad. Wipe the mating surface with a brake cleaner.

Installation:

1. Inspect the SVE cover before installing it and verify it is free of foreign material or dust.
2. Loosen and remove the (2) 19MM jam nuts. Loosen the load bolts with a 6MM allen socket until they bottom out on the underside of the cover.
3. Place the 10 flat washers onto the 10 socket head cap screws.
4. Apply RTV silicone to the differential housing mating surface or use a lube locker gasket currently available at LMR.COM (Part #: LLR-F880).
5. Snug down all 10 of the bolts with 5.5MM allen socket. Reference on page 1 the torque sequence and then torque each bolt to 20-25 lb/ft.
6. Evenly apply teflon paste to approximately four or five threads on the load bolts. (These threads will install into the cover once tightened.)
7. Tighten each load bolt until they bottom out on the bearing cap. Torque each bolt to 5-10 lb/ft. **DO NOT OVERTIGHTEN THESE BOLTS!** Reinstall the 2 jam nuts and torque to 25-30 lb/ft.
8. Verify that the differential cover will clear chassis and suspension components.
9. Remove the fill plug in the cover with a 10MM allen socket. Fill the rear axle from the hole in the cover with the recommended gear fluid until it begins to run out of the factory fill hole. Clean up any residual fluid. Apply teflon paste to both fill plug. Reinstall and retighten each plug.

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