

INSTALLATION GUIDE



**AGILE
OFFROAD**
SMARTER THAN DIRT®

SPRINTER REAR DIFF COVER

GENERAL INFORMATION

The AO Sprinter Diff Cover is designed to be installed on 2007+ Sprinters. We recommend that the AO Diff Cover be installed by an authorized AO dealer (refer to agileoffroad.com to find a dealer near you).

****Read the instructions completely before starting the installation process.****

PARTS INCLUDED

Part # AOR91122(black) AOR911225(orange):

1 x AO Sprinter Diff Cover

1 x Diff Cover Gasket

1 x AO Anodized Fill Plug

12 x Mounting Bolts

TOOLS NEEDED

14mm Allen/Hex Socket (2500 vans)

17mm AllenHex Socket (some 3500 vans)

Gasket Scraper

E12 Torx Socket

3/8" Ratchet Driver

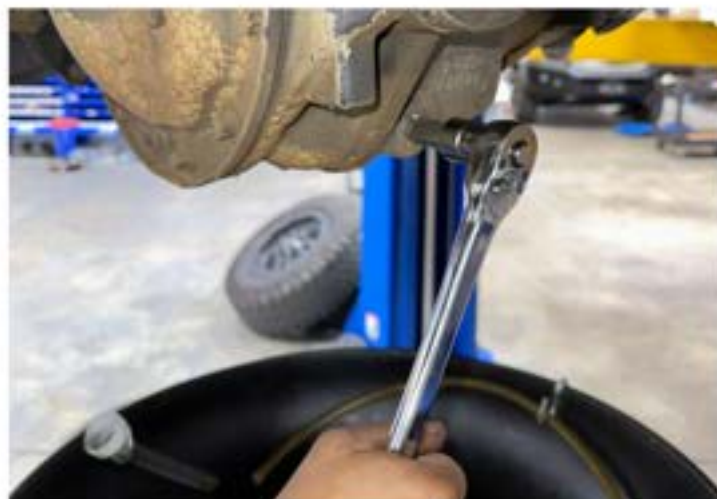
13mm Socket

Blue Loctite

Drain Pan



Locate the factory drain plug found on the passenger side of the differential.



Use a 14mm allen/hex socket to remove the drain plug. Have drain pan ready to catch oil.



Allow differential to drain for several minutes before removing cover. ****The oil will drain out quicker when warm****



Use an E12 torx socket to remove the 10 differential cover bolts.



Use the gasket scraper to pry the cover off of the differential housing.



Use the gasket scraper to clean off any remaining gasket residue. Wipe clean.



Prep supplied bolts by adding blue loctite. Orient gasket to AO Diff Cover mounting bolt holes.



Place supplied gasket onto AO Diff Cover with letter side facing cover and blank side facing differential. Install one bolt in top hole.



Place AO Diff Cover w/gasket on housing and hand tighten top bolt. Install remaining 9 bolts.



Tighten bolts using a criss-cross sequence. Torque to 16 ft lbs.



Re-install factory drain plug.



Use a 3/8" drive ratchet to remove the fill plug.



Fill differential with gear oil. Refer to your manual for specific year/model recommendation.



The oil level should be at the bottom of the fill hole.



Use a 3/8" drive ratchet to install fill plug. Tighten until fill plug makes contact with AO Diff Cover.



Congrats! Your installation is complete.