



**AGILE
OFFROAD**
SMARTER THAN DIRT



INSTALLATION GUIDE

Front/Rear Differential Cover
for Ineos Grenadier by Agile Offroad

AO-P3G-1-X

INSTALLATION GUIDE

CUSTOMIZE YOUR LOOK, MAINTAIN **STRENGTH**

Front/Rear Differential Cover for Ineos Grenadier
by Agile Offroad



Upgrade your Ineos Grenadier's differential protection with the Agile Offroad Front/Rear Differential Cover. Constructed from 1/4" thick cast iron, this cover provides maximum durability, shielding your differentials from rocks, impacts, and off-road hazards.

Finished in powder-coated orange, red, or black, this cover adds both protection and a custom look to your vehicle's undercarriage.

Designed for easy installation, it mounts directly to factory bolt holes with no drilling or modifications required. Whether you're traversing rocky trails or harsh terrain, this cover ensures your drivetrain remains protected and secure.

SKU

AO-P3G-1-XX

PARTS INCLUDED

1 x AO Cast Iron Diff Cover
(fits both front and rear)

1 x Filler Plug

1 x M8 Flange Bolt Kit

1 x Diff Cover Gasket

TOOL NEEDED

6mm Allen Wrench

12mm Allen Wrench

13mm Socket/Wrench

3/8" Drive Ratchet

8x1.25 Tap

Blue Thread Sealer

Small Pry Bar

Gasket Scraper

Oil Drain Pan

INSTALLATION TIME

1 Hour/Axle

INSTALLATION GUIDE

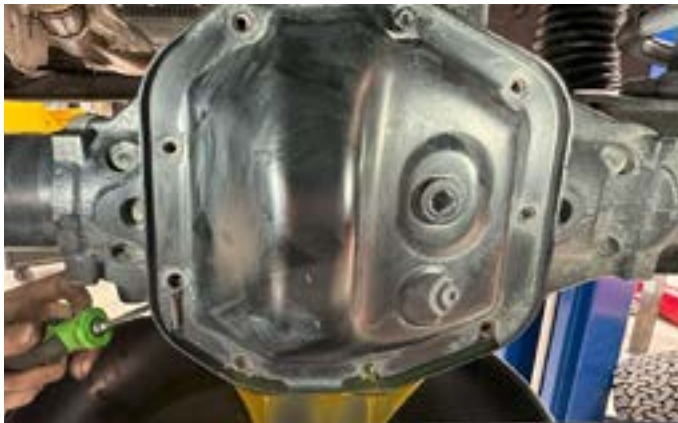


1 A/B. DRAINING OIL VIA DRAIN PLUG: Locate the drain plug at the bottom of the differential center section. Place an oil drain pan under the differential center and then use a 12mm Allen wrench to remove the drain plug. Drain oil completely and then replace drain plug. Torque to 23 ft lbs. **NOTE: The differential may be drained using the factory drain plug or by removing the cover.**



2. DRAINING OIL VIA COVER: Place an oil drain pan under the differential center and then use a 6mm Allen wrench to remove all the cover bolts.

3. Leave one of the top bolts attached.



4. Use a small pry bay to loosen the cover from the differential housing.

5. Remove the remaining bolt and cover.

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6. Use a gasket scraper to remove any remaining gasket material. Wipe gasket surface clean. Inspect all nine bolt holes. Use a 8mmx1.25 tap as necessary to clean threads.



7. Install the new AO Diff Cover and gasket (no gasket sealant required) using the supplied M8 flange bolts. Start with one of the top center bolts. Apply a small drop of blue thread sealer to each bolt.



8. Tighten all nine bolts using a star pattern sequence. Torque to 16 ft lbs.



9. Use a $\frac{3}{8}$ " ratchet to remove the orange anodized filler plug.



10. Fill the differential using 2.2 quarts of 75w-140 gear oil.



11. Re-install to filler plug. Torque to 18 ft lbs.



INEOS
GRENA^ADIER



AGILE
OFFROAD



Interior



Exterior



Suspension



Air Locker &
Drivetrain



Steering &
Brakes



Air
Compressors



Armor &
Protection



Bumpers



Lighting



Wheels &
Tires



Storage &
Racks



Water &
Fuel Tanks



Winches &
Recovery



Replacement
Parts &
Accessories



Electrical



Tools



agileoffroad.com



info@agileoffroad.com



619-328-1297