



INSTALLATION GUIDE

HDE CAN-AM X3 BILLET REAR KNUCKLES



Included Components

- 1x Driver side rear knuckle
- 1x Passenger side rear knuckle
- 8x Spherical bearing spacers
- 4x SS wear sleeves
- 2x M12x1.75 70mm 12-point bolt
- 2x M12x1.75 SS captive nuts

TOOLS REQUIRED

- 3/4" Socket for lug nuts
- 15mm Socket for the brake caliper
- 19mm socket for top and bottom knuckle bolts
- 14mm 12pt socket for A-Arm and tie rod bolts
- 30mm socket for axle nut
- Torque wrench
- Red and Blue Loctite
- Wheel bearing grease
- Anti-seize

TECH NOTES

Before installing the hubs grease the outer snout of the hubs along with the axle splines. Use Red Loctite on the axle nut, rotor bolts and caliper bolts. Use Blue Loctite on the dust cap bolts.

Apply anti-seize to wheel studs. Torque lug nuts in star pattern.

WARNING!

If these instructions are not properly followed severe damage may result. Hammer Down Enterprises recommends all installation be performed by a professional service technician. Product failure caused by improper installation will not be covered under warranty.



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1. Using a properly rated jack, raise the vehicle and support the frame rails with jack stands. Ensure the jack stands are secure and set properly before lowering the jack. **NEVER** work under an unsupported vehicle. Remove the wheels.
2. Remove the shock bolt at the trailing arm and use a strap to hold the shock out of the way.
3. Remove one sway bar end link bolt from each link.
4. Remove the brake caliper bolts and move caliper out of the way. Remove the axle nut.
5. Pull the hub and rotor off the vehicle.
6. Making sure the trailing arm is supported remove top, mid, and lower M12 knuckle bolts freeing the factory knuckle.
7. Install HDE knuckle and loosely tighten top, mid, and bottom M12 bolts. Use the provided spacers for the top and bottom rods and reuse your existing spacers for the center radius rod (toe link).
8. Apply grease to the bearing snout of the hub as well as the splines on the axle. Insert hub into the wheel bearing. Once the Hub is seated against the bearing apply Red Loctite to the threads and tighten the axle nut.
9. Apply Red Loctite and tighten caliper bolts.
10. Apply anti-seize to the stud threads and install the wheel torquing the lug nuts in a star pattern.
11. Retorque everything after 20 miles.

TORQUE SPECS

- Caliper Bolts: **55ft-lbs**
- Axle nut: **184ft-lbs**
(+/- 11 FT LBS tighten to next clock wise tick mark if 184 doesn't land on a tick mark)
- Top and bottom knuckle bolts: **90ft-lbs**
- Toe link bolt: **90ft-lbs**
- Lug nuts: **90ft-lbs**

