

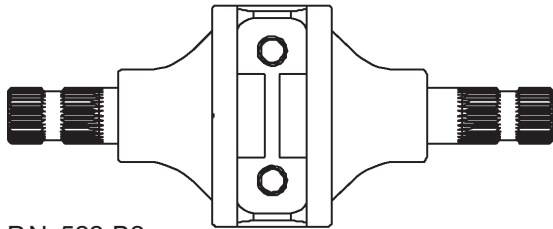


PHONE: (989) 435-7080

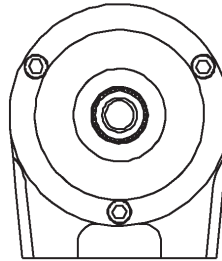
3195 LYLE ROAD • BEAVERTON, MI 48612
www.howeracing.com

FAX TOLL FREE: (888) 484-3946

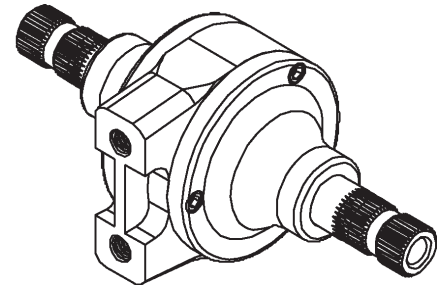
HOWE P.N. 522-B2 STEALTH HD STEERING QUICKENER INSTRUCTIONS



P.N. 522-B2
Steering Quickener 2.0 to 1 Ratio



U.S. Patent No. 7,134,981.



Installation

- 1) Attach a mounting bracket (P.N. 5223 or other) with two 3/8"-16x3/4" bolts & lock washers. Torque to 16-18 ft. lbs. If using a bracket other than the 5223 check the bolt depths by hand before installing to see if you will need to add any washers so the bolts do not bottom out in the mounting holes.
- 2) Locate and mark a 7-1/2" straight section of the steering shaft where the unit can be installed and the mounting bracket can be welded to the frame. The quickener should be located away from the headers in an area where it is less than 250° F. The unit may be mounted in any position.
- 3) Remove the section of the shaft where the unit is to be installed.
- 4) Install a splined coupler P.N. 5221 on each end of the unit and tighten the set screw.
- 5) Place the unit and coupler assembly in the shaft where you removed the 7-1/2" section.
- 6) Tack weld the mounting bracket to the frame and the couplers to the steering shaft. Remove the quickener before finishing the welds.
- 7) Turn the steering wheel to check for any binding or misalignment. If necessary break the tacks and realign.
- 8) When properly aligned weld the bracket to the chassis and the couplers to the shaft.

IMPORTANT! When installing the Stealth quickener remember that the unit should rest relaxed against the mount with no bolts installed. Due to the Stealth's reduced size the distance from the center to mounting boss is less than other quickeners. **If you are mounting the unit into an existing mount you will have to add a flat spacer or remove and replace the mount.**

Maintenance

Your new Howe Billet Stealth HD Steering Quickener should not require maintenance under normal use. If your quickener is leaking, you feel it has been damaged, or it is having any other problem contact Howe Racing for authorization to return the unit for inspection or service. If you choose to disassemble and inspect the unit you can do so by following the instructions below.

Disassembly

- 1) Remove the unit from the car.
- 2) Using a 5/32 allen wrench remove the three bolts from one side of the quickener.
- 3) Hold the unit over a drain pan to catch the gear oil inside as you remove the bell.
- 4) Repeat steps 2 & 3 to remove the other bell.
- 5) With the quickener separated you may inspect and clean all the parts with lacquer thinner.

Assembly

- 1) Line one of the bells up with the center section and install the three allen bolts using a 5/32 allen wrench.
- 2) Install the gear cluster into the bell and center section.
- 3) Holding the partially assembled housing fill with approximately 40cc's of Red Line Heavy Shock-Proof Gear Lube.
- 4) Install the second bell by sliding it into position aligning the bolt holes and install the allen bolts.
- 5) Reinstall the assembled unit back into the car.