

POWERGLIDE TRANSMISSION TO ATLAS TRANSFER CASE

KIT CONSISTS OF:

| No. | Qty | Part No. | Description |
|-----|-------|----------|------------------------|
| 1. | 1 | 51-9200 | ADAPTER HOUSING |
| 2. | 1 KIT | 716055 | CROSSMEMBER MOUNT KIT |
| 3. | 2 | 302069 | 3/8"-16 x 3/8"-24 STUD |
| 4. | 1 | 716511 | O-RING |
| 5. | 5 | 723714 | 3/8"-16 x 1.5" STUD |
| 6. | 5 | 723701 | 3/8"-16 NUT |
| 7. | 2 | 723705 | 3/8"-24 NUT |
| 8. | 11 | 911003 | 3/8" STAR WASHER |

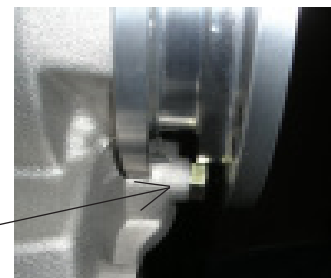
NOTE: This kit was designed around the Hughes Performance "shorty length" output shaft. The Hughes output shaft is 27 splines and requires the Atlas transfer case to be equipped with a 27 spline input. We do not sell this shorty output shaft. The shorty output shaft must be installed into your transmission before you begin with the directions below. Other company output shafts may also work with this kit, but it is the customer's responsibility to verify shaft length and spline engagement. This adapter is 2.32" long.

The phone number for Hughes Performance is 1-800-274-RACE.

SPECIAL INSTRUCTIONS:

1. Thread the 3/8"-16 x 1.5" studs into rear of transmission with blue Loctite.
2. Place the Powerglide rear pump gasket into rear of transmission (this gasket comes in the Powerglide rebuild kit or gasket set).
3. Slide adapter and o-ring over studs, sandwiching the rear pump gasket against the case.
4. Using star washers, 3/8"-16 nuts, and blue Loctite, torque the nut to the adapter approximately 30 ft./lbs.
5. Thread (2) 3/8"-24 x 3/8"-16 and (4) 3/8"-16 (used for the transmission mount) studs fully into the Atlas input ring.
6. Position the crossmember mount around the adapter.
7. Apply RTV to the rear of the adapter, especially in the indexing bore.
8. While holding the crossmember mount in place, slide the Atlas studs into the adapter. **DO NOT FORCE THE TRANSFER CASE INTO THE ADAPTER!** If you encounter interference, remove the transfer case and check for spline engagement.
9. Once the Atlas is fully seated onto the adapter, install the star washers and 3/8" nuts and torque to approximately 30 ft./lbs.

NOTE: Our adapter is cleared for a Dedenbear Powerglide transmission case. When using this case, a Dedenbear non-adjustable trans brake bolt must be used.



SPECIAL NOTE: The components packaged in this kit have been assembled and machined for specific type of conversions. Modifications to any of the components will void any possible warranty or return privileges. If you do not fully understand modifications or changes that will be required to complete your conversion, we strongly recommend that you contact our sales department for more information. This instruction sheet is only to be used for the assembly of Advance Adapter components. We recommend that a service manual pertaining to your vehicle be obtained for specific torque values, wiring diagrams and other related equipment. These manuals are normally available at automotive dealerships and parts stores.