

Dana 300

Rotation Plate

Manufactured by JB CONVERSIONS, INC.

Phone: 337-625-2379

Installation Instructions

Part No. 15-1102

Instruction Rev: 2010.01.05

Kit Components

- . Billet clocking plate
- . (6) Allen cap bolts
- . (6) "Interference fit" studs
- . Extended length input gear
- . New oil seal

1) Drain the oil from the Dana 300.

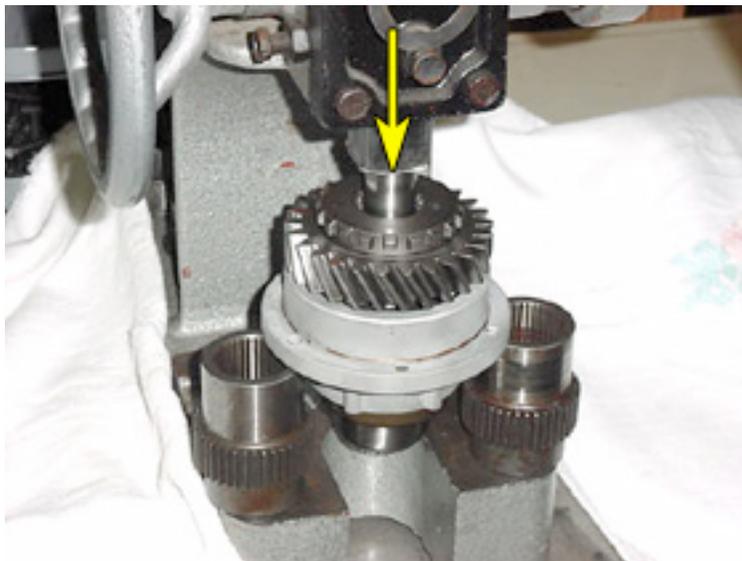
2) Remove the 8 allen (or torx) cap screws from the aluminum bearing retainer and carefully separate and remove the retainer from the Dana 300 case.



3) Remove the retaining ring from the input shaft.



4) Remove the helical gear from the input shaft. Usually, this gear is fairly tight therefore it may have to be removed with a drift or a press (preferred). The original seal may be pushed out during this step however it will not be reused.



5) Remove the retaining ring from the original bearing retainer.

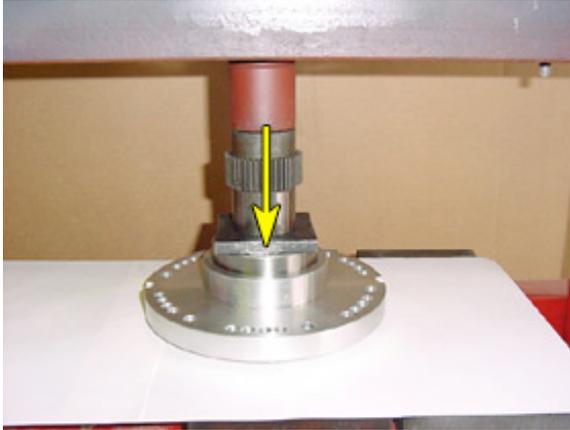


6) Remove the original bearing from the retainer using a press. Usually this bearing can be gently knocked out of the retainer with a wooden drift.



7) Clean the gear, bearing, and retaining ring with solvent or brake cleaner.

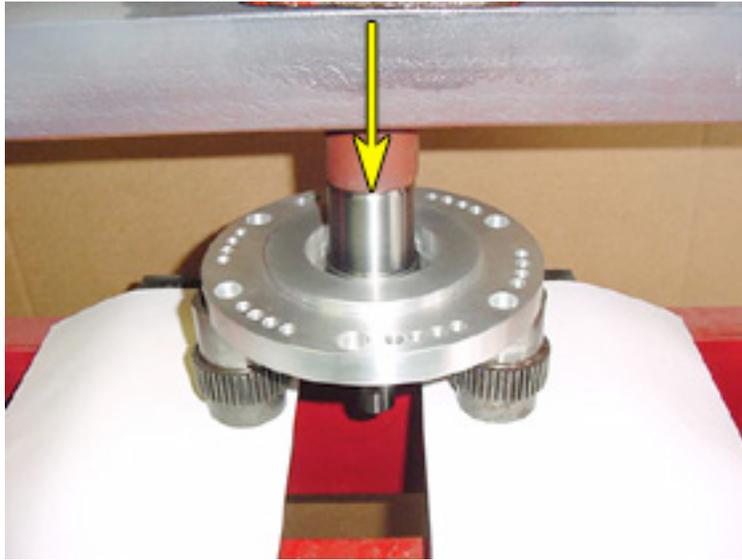
8) Install the original bearing (removed in step 6) and retaining ring into the new clocking plate.



9) Place the shims on the new input gear (use grease to hold them in place) and press the input gear into the bearing.



10) The gear should be pushed or pressed into place against the bearing.



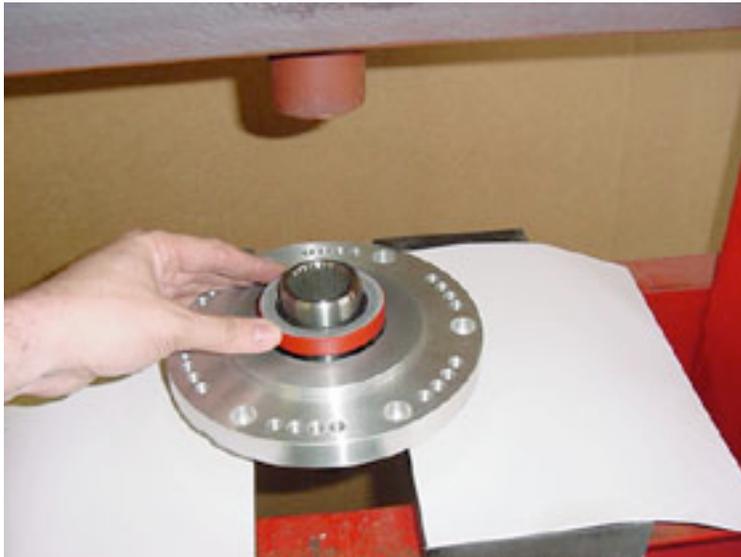
11) Install the input drive gear onto the spline of the input shaft followed by the retaining ring.



12) Using a gap gauge, check for 0.00"-0.003" clearance below the retaining ring. If clearance is insufficient, adjust shims as necessary. Add or subtract shims if necessary.



13) Install the new oil seal using a press or seal driver.



14) Clean the gasket face of the Dana 300 and apply a very thin bead of black RTV to the case.



15) Install the clocking plate and secure with the 3/8" bolts supplied in the kit. Use a small amount of RTV on the threads of the 3/8" bolts to prevent oil leaks.

