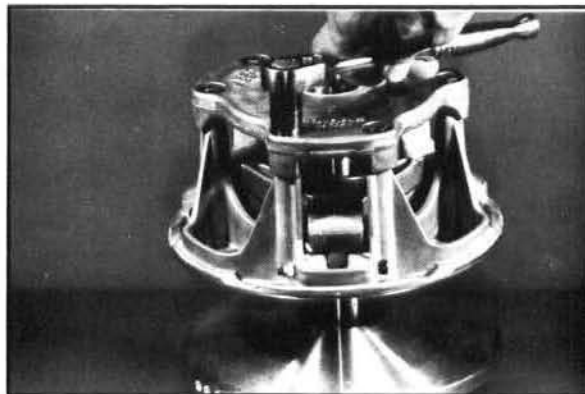


## TORQUE-O-MATIC DRIVE Drive Clutch Disassembly and Inspection

1. Carefully remove cover attaching screws. Remember that there is spring tension on the cover.



2. Install drive clutch into clutch holding fixture PN 2870461.
3. On models equipped with a spider jam nut, install jam nut tool PN 2870338 and remove jam nut.



4. Install spider removal tool PN 2870341 and remove spider.



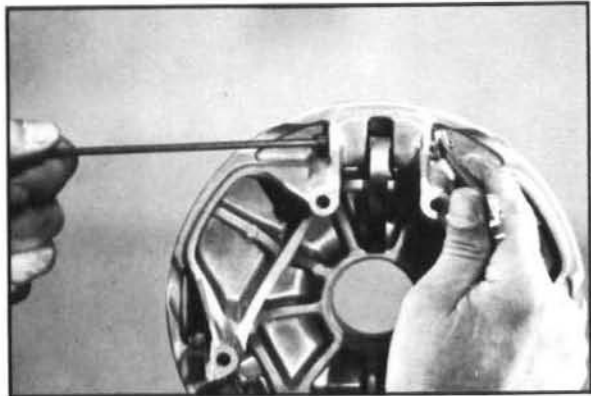
5. Count the number of spacer washers installed beneath the spider.



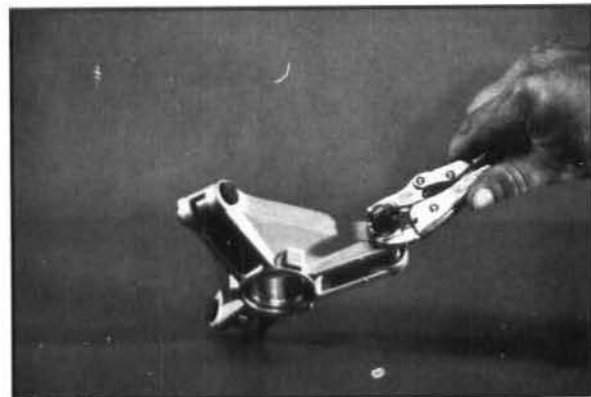
## **TORQUE-O-MATIC DRIVE**

### **Drive Clutch Disassembly and Inspection**

10. Using a 1/8" Allen wrench and 3/8" combination wrench, remove drive clutch fly weights.



11. Remove spider buttons using button removal tool PN 2870985.



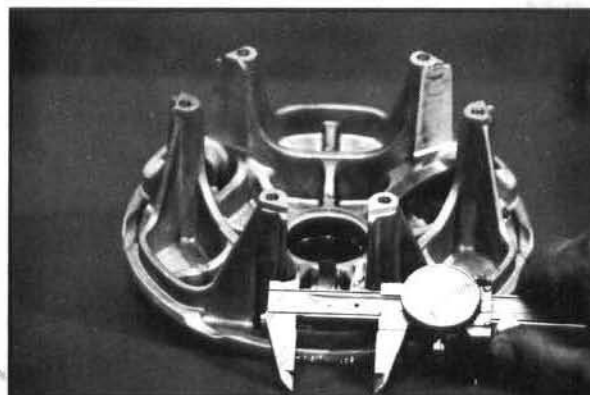
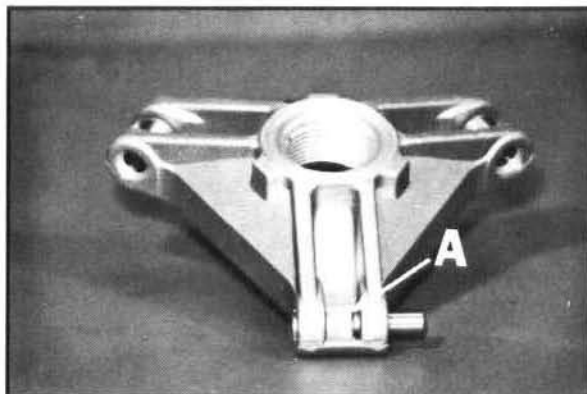
12. Place spider on a vise. Using a pin punch, drive out the roller pin.

13. Inspect all rollers, bushings, thrust washers, and roller pins.



## TORQUE-O-MATIC DRIVE Spider Assembly

1. Start a replacement roller on each leg, driving a pin in about .100"-.125" (.25-.32 cm) beyond the first land of the spider leg (A). **TIP:** This enables you to locate the first washer and align the roller until the pin is flush with the second land.
2. Install one washer onto the pin.
3. Place a few drops of Polaris clutch and cable lube (PN 2870510) onto the roller bushing. Place roller on pin as it protrudes from first land.
4. Place a second washer on the other side of the roller.
5. Install service tool as shown in photo 2.
6. Place spider on a vise anvil and drive the roller pin through to the second land of the spider. **CAUTION:** Use care to start the pin straight. Aluminum burrs could pass through into the roller bushing causing it to bind and stick. Also use care to make sure the roller remains aligned when the pin is driven through. The roller bushing could be damaged causing premature wear and roller failure.
7. Determine how many shims are to be used. **NOTE:** Shim Kit PN 2200387 contains an assortment of shims, including .002", .005", and .010".
8. Measure the dimension between towers at the lower half of the towers as shown.



9. Install spider buttons using a soft face hammer.

