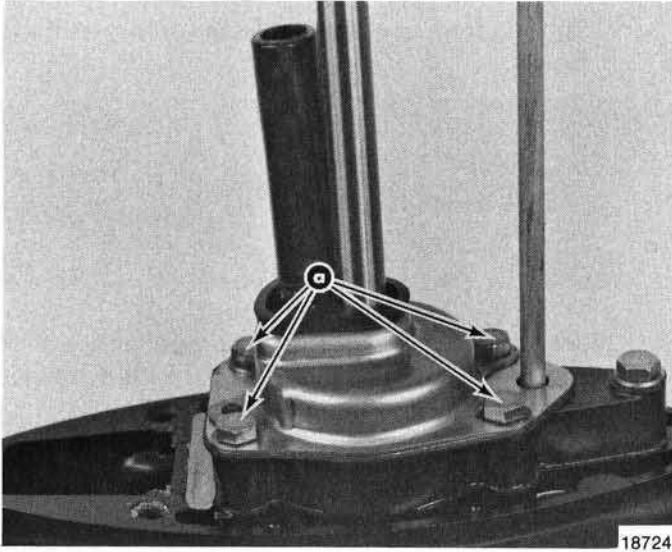


WATER PUMP, DRIVE SHAFT, and SHIFT SHAFT

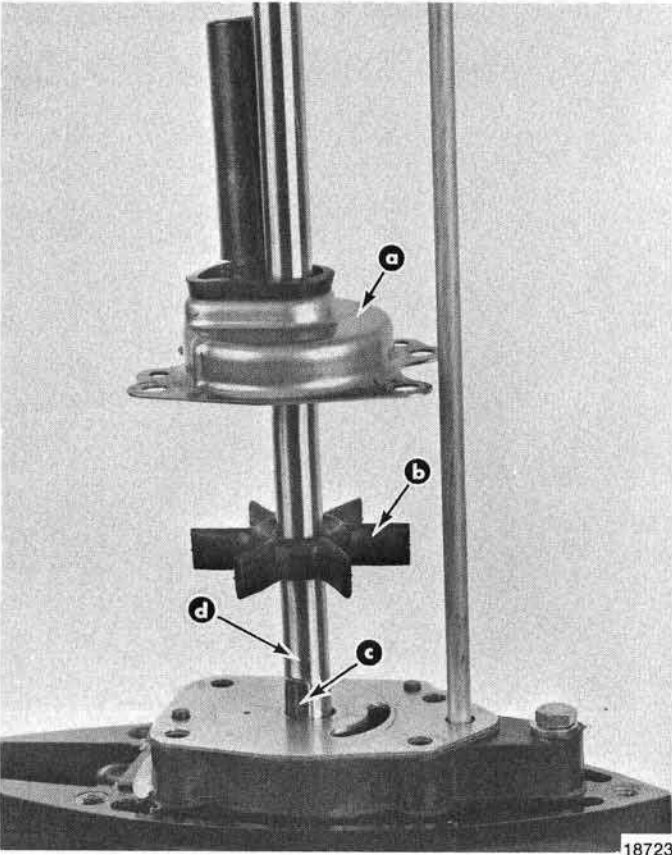
⚠ CAUTION

Water pump cover holds drive shaft in gear housing. After cover is removed drive shaft is free and can be lifted from housing.

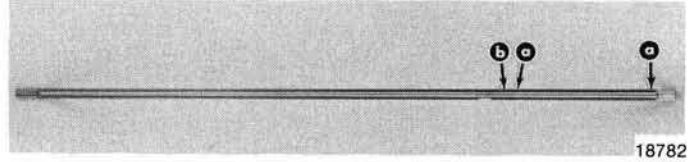
1. Remove bolts (a).



2. Lift cover (a), impeller (b), and drive key (c) from drive shaft.
3. Pull drive shaft (d) from gear housing, taking care not to drop pinion or forward gear.
4. It is recommended that impeller be replaced once it is removed, regardless of appearance.



5. Check bushing surfaces (a) of drive shaft for pitting or wear. If shaft is pitted or worn, replace shaft and corresponding bushing.
6. Replace drive shaft, if any of the following exist:
 - a. Splines are twisted or worn.
 - b. Oil seal surface (b) is deeply grooved and is allowing water to enter gear housing.



7. Remove guide (a) from cover.
8. Replace rubber seal (b) if damaged.
9. Replace cover if inside is grooved.

