

Installation:

All LD4S series clutches are loose assemblies and need to be assembled properly to allow the clutch to operate safely. These steps need to be followed to ensure proper installation.

1. Verify the size of the engine crankshaft.



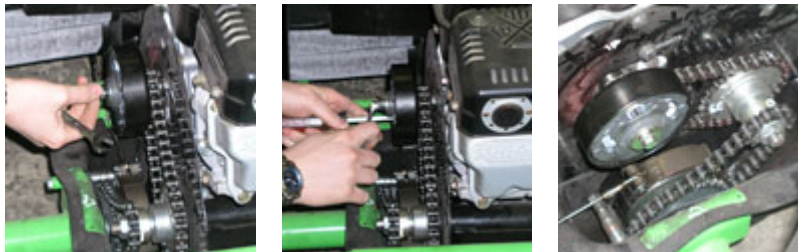
2. Oil the clutch bushing using lightweight oil. (Any non synthetic oil)



3. Slide the clutch on the engine crankshaft.



4. Install a bolt and washer on the end of the engine crankshaft. Use a washer that measures at least $1 \frac{1}{16}$ " inches on the outside diameter. On this LD4S-"L" long bushing series clutch there is a retaining ring to retain the bronze bearing in the sprocket drum. A bolt and washer are used to retain the hub on the crankshaft. Make sure that the bronze bushing has a minimum of $\frac{1}{32}$ " inch of movement on the crankshaft of the engine, and not more than $\frac{1}{16}$ ".



5. Verify proper alignment of the sprockets and install the chain according to your

owner's manual. Over-tightening the chain will cause premature bushing wear. Having the chain too slack will cause premature sprocket wear.

6. Install the guards. **WARNING: DO NOT OPERATE THE ENGINE WITHOUT HAVING ALL OF THE GUARDS PROPERLY INSTALLED.**

Maintenance & Inspection:

TO BE PERFORMED PRIOR TO EVERY USE!!!

- 1. Oil the clutch bushing every 4 hours of use. Try to get the oil in between the housing and the bushing. Removal of the bushing from the sprocket is the best way to ensure proper lubrication.**
- 2. Inspect the chain tension, chain condition, and sprocket alignment.**
- 3. Inspect the clutch for damaged, missing, or loose parts.**