



LANDING GEAR

SERVICE BULLETIN



LGE Series

Replacement of Gearbox Cover

February 27th 2003



All maintenance must be performed by a qualified person using proper tools and safety procedures. Before replacing the gearbox cover you must read and understand the following procedure

GENERAL

This bulletin describes the correct procedure for replacement of the gearbox cover on the LGE series landing gear.

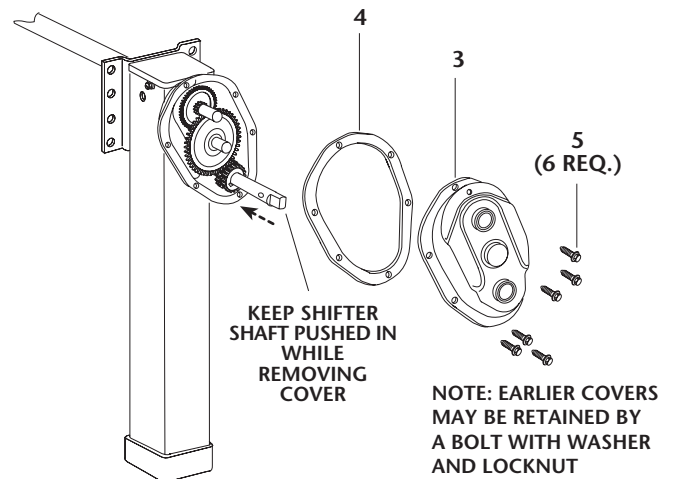
PROCEDURE

1. Remove all paint, deposits, etc. from crank (handle) shaft and lubricate shaft for easier removal of the gearbox cover.
2. Remove gearbox cover (3) by removing bolts (5) using caution to prevent tearing or breaking the gasket.

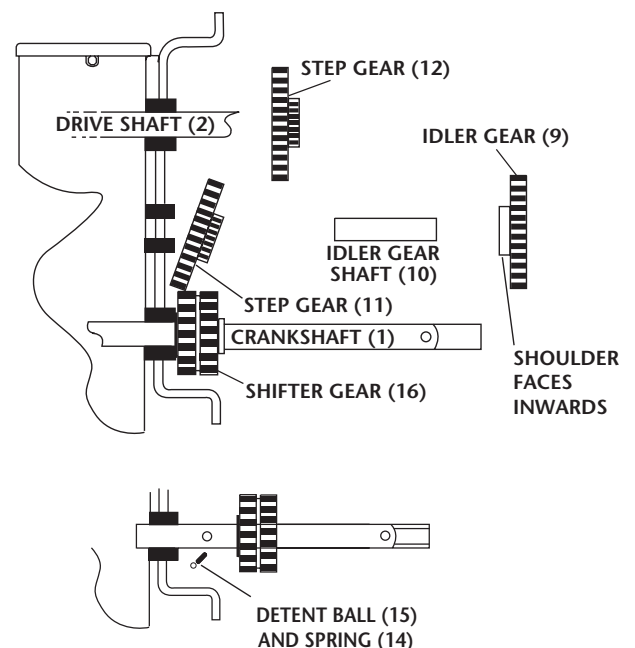
Note: When removing cover apply inward pressure to the crankshaft in order to prevent the shaft sliding out or the inner bush and the detent ball and spring shooting out.

3. It is possible that during removal of the cover the idler gear shaft (10) may come out with the cover also removing or misaligning idler (9) and step gear (11). If this occurs position the step gear (11) in line with the rear bush for the idler gear shaft (10) and push the shaft through the gear and onto the bush. Idler gear (9) can then be slid onto the shaft with the shoulder of the gear to the inside.
4. In the event that the crankshaft does move out far enough for the detent ball and spring to come out these can be refitted by putting spring (14) into the hole provided in the shaft, placing the ball (15) on top of the spring and pushing the ball down against the spring with your thumb while pushing the shaft inwards with your other hand. Ensure that the ball is fully captured by the rear bush and that the shaft is fully in (low gear position) before refitting the gearbox cover.
5. Re-pack gearbox with grease if required. The gearbox should contain a minimum of 0.5 kg of water resistant lithium base grease - EP2.
6. Position gasket, refit cover and secure with bolts, ensuring that the gasket is correctly positioned.

COVER REMOVAL



ARRANGEMENT OF GEARS



For further assistance in identifying gears, etc. see parts explosion on spares sheet XL-LG1029-03



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