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FTR Gearbox Service Advice

Inspect all parts, with particular attention to gear ratios, crownwheel and pinion, differential gear, and bearings. These items should be inspected for signs of wear and damage, and replaced if such damage is found. In addition to this, these components, along with the clutch shaft, are subject to fatigue loads which will increase the likelihood of failure as part life increases. Experience will allow a mechanic to build a picture of the expected life of each part, and so replace parts in a timely fashion.

In addition to this the following is a list of parts which should be inspected at regular intervals as defects on these parts can lead to performance issues or gearbox failure.

FTR-225	Bearing inner track. Inspect for wear on splines and raceway.
FTR-226	Bearing inner track. Inspect for wear on splines and raceway.
FTR-227	Hub. Inspect for wear on splines
FTR-228	Reverse hub. Inspect for wear on splines.
FTR-232	Clutch ring. Inspect for wear on splines and engaging dogs.
FTR-234-1	Spacer. Inspect for wear of end faces.
FTR-246	Selector rail. Inspect for wear at areas of contact with forks.
FTR-250	Selector fork. Inspect for wear on pins, and bending of blades.
FTR-260	Selector barrel. Inspect for track wear and for pin damage.
LIP-042	Oil seal. Inspect lip for damage or wear.
LIP-043	Oil seal. Inspect lip for damage or wear.
ORI-085	Quad ring. Inspect for damage or wear.
PCT-260-3	Coil spring. Inspect free condition & replace if deformed.
SPR-057	Compression spring. Inspect free length & replace if short.
SPH-1077-M3	Pawl. Inspect for burrs or damage.
ORI-001	Oring. Inspect for wear or damaged
FTR-213-16FD	Cross pin. Inspect for wear.
FTR-213-18FD	Side bevel thrust washer. Inspect for wear or damage.
FTR-213-19FD	Planet bevel thrust washer. Inspect for wear or damage.