RWRG0012 - Range Yoke Snap Ring Failure

Symptom(s)

- Transmission will not range shift to either high or low range.
- Stuck in high or low range.

Cause

This transmission uses snap rings to attach the range yoke to the yoke bar in the auxiliary section. When one of the two snap rings fail, the transmission will be unable to range shift.

Repair Guideline

The technician should check the air module outputs to make sure it is shifting the range piston. Air pressure on the H or L port should be (75-85) PSI. Usually an audible click can be heard when attempting to shift ranges. The shift bar housing must be removed to release the range bar. The auxiliary section must be removed to replace both snap rings and if required, the range yoke. At this time the synchronizer should be visually checked for damage or excessive wear.

Take caution not to over stretch either snap ring when installing them onto the range yoke bar.

Warranty Labor

- Shift Bar Housing R&R per OEM SRT
- Auxiliary R&R per OEM SRT
- Bench time to replace yoke/snap rings .5 hr

Warranty Coding

Part: 4302080 Snap ring

Complaint: Won’t shift

Findings: Broken

Warranty Disclaimer

If the failure is not the result of an accident, damage, negligence, abuse or misuse, improper installation or maintenance or any other conditions described in the Limits and Exclusions section of Warranty Manual TCWY0600, then Roadranger will treat the condition as covered under its warranty. However, this conclusion does not necessarily mean that a defect in fact exists. In all cases, Roadranger shall make the final determination and interpretation as to the warrantability of the Product.