

TRANSFER (RF1A Type Transfer W56)

Specifications

| | | | |
|---|-------|------------------|--------------------------------|
| Output shaft bearing thrust clearance | | | Less than 0.10 mm (0.0039 in.) |
| Output shaft snap ring thickness | Mark | | |
| | 0 | 2.40 – 2.45 mm | 0.0945 – 0.0965 in. |
| | 1 | 2.45 – 2.50 mm | 0.0965 – 0.0984 in. |
| | 2 | 2.50 – 2.55 mm | 0.0984 – 0.1004 in. |
| | 3 | 2.55 – 2.60 mm | 0.1004 – 0.1024 in. |
| | 4 | 2.60 – 2.65 mm | 0.1024 – 0.1043 in. |
| | 5 | 2.65 – 2.70 mm | 0.1043 – 0.1063 in. |
| Output shaft runout | Limit | 0.03 mm | 0.0012 in. |
| Output shaft outer diameter | Limit | Part A | 44.984 mm 1.7710 in. |
| | | Part B | 34.984 mm 1.3773 in. |
| Low gear to output shaft oil clearance | STD | 0.010 – 0.055 mm | 0.0004 – 0.0022 in. |
| | Limit | 0.075 mm | 0.0030 in. |
| Low gear thrust clearance | STD | 0.10 – 0.25 mm | 0.0039 – 0.0098 in. |
| | Limit | 0.30 mm | 0.0118 in. |
| Transfer drive gear to output shaft oil clearance | STD | 0.009 – 0.051 mm | 0.0004 – 0.0020 in. |
| | Limit | 0.071 mm | 0.0028 in. |
| Transfer drive gear thrust clearance | STD | 0.09 – 0.27 mm | 0.0035 – 0.0106 in. |
| | Limit | 0.32 mm | 0.0126 in. |
| Input shaft bearing thrust clearance | | | Less than 0.15 mm (0.0059 in.) |
| Input shaft snap ring thickness | Mark | | |
| | 1 | 2.05 – 2.10 mm | 0.0807 – 0.0827 in. |
| | 3 | 2.15 – 2.20 mm | 0.0846 – 0.0866 in. |
| | 5 | 2.25 – 2.30 mm | 0.0886 – 0.0906 in. |
| Counter shaft bearing thrust clearance | | | Less than 0.15 mm (0.0059 in.) |
| Counter shaft snap ring thickness | Mark | | |
| | 1 | 2.10 – 2.15 mm | 0.0827 – 0.0846 in. |
| | 3 | 2.20 – 2.25 mm | 0.0866 – 0.0886 in. |
| Idler gear shaft bearing thrust clearance | | | Less than 0.15 mm (0.0059 in.) |
| Idler gear shaft snap ring thickness | Mark | | |
| | A | 1.50 – 1.55 mm | 0.0591 – 0.0610 in. |
| | B | 1.60 – 1.65 mm | 0.0630 – 0.0650 in. |
| Shift fork to hub sleeve clearance | Limit | 1.0 mm | 0.039 in. |
| Speedometer driven gear oil seal depth | | 20 mm | 0.79 in. |
| Front drive gear oil seal depth | | 7 mm | 0.28 in. |

Torque Specifications

| Part tightened | N·m | kgf·cm | ft·lbf |
|--|-----|--------|-----------|
| Adaptor x Reduction gear case | 39 | 400 | 29 |
| Reduction gear case x Front case x Rear case | 39 | 400 | 29 |
| Rear case x Extension housing | 39 | 400 | 29 |
| Front case x Rear case | 39 | 400 | 29 |
| Reduction case x Front case | 39 | 400 | 29 |
| Reduction case x Transfer case cover | 8.8 | 90 | 78 in·lbf |
| Output shaft x Companion flange | 123 | 1,250 | 90 |
| Front drive gear bearing retainer x Front case | 18 | 185 | 13 |
| Front case x Bearing retainer | 18 | 185 | 13 |
| Straight screw plug | 12 | 120 | 9 |
| Transfer indicator switch | 34 | 350 | 25 |
| Speedometer driven gear lock plate | 11 | 115 | 8 |

TRANSFER (VF1A Type Transfer/G58, R150F, A340F) Specifications

| | | | | | |
|----------------------------|---|----------------|---------------------|---------------------|---------------------|
| Oil pump body | Body clearance | STD | 0.10 – 0.16 mm | 0.0039 – 0.0063 in. | |
| | | Limit | 0.16 mm | 0.0063 in. | |
| | Tip clearance | STD | 0.08 – 0.16 mm | 0.0031 – 0.0063 in. | |
| | | Limit | 0.16 mm | 0.0063 in. | |
| | Side clearance | STD | 0.03 – 0.08 mm | 0.0012 – 0.0031 in. | |
| | | Limit | 0.08 mm | 0.0031 in. | |
| Rear output shaft assembly | Drive sprocket thrust clearance | STD | 0.10 – 0.25 mm | 0.0039 – 0.0098 in. | |
| | | Limit | 0.25 mm | 0.0098 in. | |
| | Driven sprocket oil clearance | STD | 0.010 – 0.055 mm | 0.0004 – 0.0022 in. | |
| | | Limit | 0.055 mm | 0.0022 in. | |
| | Rear output shaft journal diameter | Limit | Part A | 27.98 mm | 1.1016 in. |
| | | | Part B | 36.98 mm | 1.4559 in. |
| | Front drive shift fork to hub sleeve clearance | Limit | | 1.0 mm | 0.039 in. |
| | | | | | |
| | High and low shift fork to hub sleeve clearance | Limit | | 1.0 mm | 0.039 in. |
| | | | | | |
| | Rear output shaft snap ring thickness | Mark | A | 2.10 – 2.15 mm | 0.0827 – 0.0846 in. |
| | | | B | 2.15 – 2.20 mm | 0.0846 – 0.0866 in. |
| | | | C | 2.20 – 2.25 mm | 0.0866 – 0.0886 in. |
| | | | D | 2.25 – 2.30 mm | 0.0886 – 0.0906 in. |
| | | | E | 2.30 – 2.35 mm | 0.0906 – 0.0925 in. |
| F | | | 2.35 – 2.40 mm | 0.0925 – 0.0945 in. | |
| G | | | 2.40 – 2.45 mm | 0.0945 – 0.0965 in. | |
| H | | | 2.45 – 2.50 mm | 0.0965 – 0.0984 in. | |
| | J | 2.50 – 2.55 mm | 0.0984 – 0.1004 in. | | |
| | K | 2.00 – 2.05 mm | 0.0787 – 0.0807 in. | | |
| | L | 2.05 – 2.10 mm | 0.0807 – 0.0827 in. | | |