

AIR OPERATED LOCKING DIFFERENTIAL

RD01

Toyota 8",45mm BRNG**

**THIS MODEL WAS SUPERSEDED BY RD132, CROSSED OUT PARTS NOT AVAILABLE

| PARTS LIST | | | | |
|------------|-----|------------------------------------|-------------------|-------|
| ITEM # | QTY | DESCRIPTION | PART# | NOTES |
| 01 | 1 | FLANGE CAP | 020101 | |
| 02 | 1 | CLUTCH GEAR | 050102 | |
| 03 | 1 | DIFFERENTIAL CASE | 010104 | |
| 04 | 1 | RETURN SPRINGS (PK OF 4) | 150101SP | |
| 05 | 1 | RETAINING PIN SET (PK OF 2) | 120102SP | |
| * | 1 | RETAINING PIN SET (PK OF 2) | 120302SP | |
| 06 | 1 | LONG CROSS SHAFT | 060103 | |
| 07 | 2 | SHORT CROSS SHAFT | 060303 | |
| 08 | 1 | PISTON | 040103SP | |
| 09 | 1 | BONDED SEAL | 160701SP | |
| 10 | 1 | CYLINDER CAP ASSEMBLY | 030118 | |
| 11 | 1 | CYL CAP RETAINING BOLT (PK OF 8) | 200205SP | |
| 12 | 1 | LOCKING TAB (8mm) (PK OF 8) | 150401SP | |
| 13 | 1 | TAPERED ROLLER BEARING | NOT SUPPLIED | |
| 14 | 1 | SEAL HOUSING RETAINING CLIP | 150601SP | |
| 15 | 1 | SPLINED SIDE GEAR | SEE NOTE | 3 |
| 16 | 1 | PINION THRUST WASHER (PK OF 4) | 151101SP | |
| 17 | 4 | PINION GEAR | SEE NOTE | 3 |
| 18 | 1 | SPIDER BLOCK | 070101 | |
| 19 | 1 | SIDE GEAR | SEE NOTE | 3 |
| 20 | 1 | S GEAR THRUST WASHER (PK OF 2) | 151003SP | |
| 21 | 1 | ADJUSTER NUT | 100101SP | |
| 22 | 1 | SEAL HOUSING KIT | 081902SP | 2 |
| 23 | 1 | SEAL HOUSING O-RINGS (PK OF 2) | 160235-2 | 1 |
| * | 1 | BULKHEAD FITTING KIT (O-RING TYPE) | 170111 | |
| * | 1 | PUSH-IN FITTING (5mm to 1/8"BSPP) | 170201SP | |
| * | 1 | AIR LINE (5mm DIA X 6m LONG) | 170301SP | |
| * | 1 | SOLENOID VALVE (12V) | 180103 | |
| * | 1 | SWITCH FR OR RR LOCKER | 180225 | |
| * | 1 | CABLE TIE (PK OF 25) | 180305 | |
| * | 1 | OPERATING & SERVICE MANUAL | 210200 | |
| * | 1 | INSTALLATION GUIDE | 210201 | |
| | | | | |

^{*} Not illustrated in exploded view

NOTES

- 1 For replacement O-rings use only BS133 Viton 75
- 2 For seal housing set-up refer to tech note (Section 5.1 & 5.2).
- 3 Available only as complete 6 gear set # 728B021
- For 8" with 50mm carrier bearing ID refer to RD23 (Section 2.23).
- For 8" IFS refer to RD92 (Section 2.92).
- Refer to pinion gear modification tech note (Section 5.6).
- For information on RD01 models with 4 cylinder cap bolts, contact ARB.



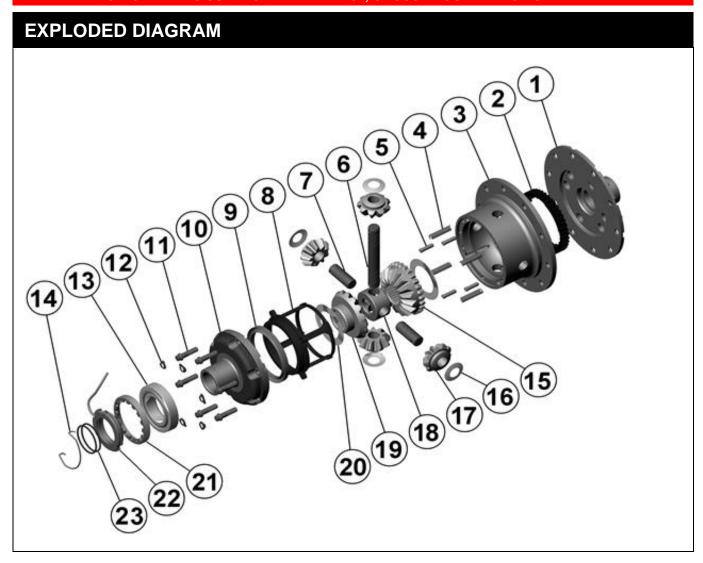




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SPECIFICATIONS

Axle Spline 30 tooth, Ø33mm [1.31"]

Ratio Supported All

Ring Gear ID 126.0mm [4.96"] Ring Gear OD 200mm [8"]

Ring Gear Bolts 10 bolts on Ø160mm [6.30"]

Ring Gear Torque 95Nm [70 ft-lb]

Backlash 0.15-0.25mm [0.006-0.010"]

Bearing Cap Torque 95Nm [70 ft-lb]

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