

ARB AIR LOCKER *Air Operated Locking Differentials*

RD02
Toyota 8.9", 45mm BRNG**
Specs:

Axle Spline 30 tooth, Ø33mm [1.31"]
 Ratio Supported All
 Ring Gear ID 138.1mm [5.44"]
 Ring Gear OD 225mm [8.9"]
 Ring Gear Bolts 12 bolts on Ø156mm [6.14"]
 Ring Gear Torque 120Nm [89 ft-lb]
 Backlash 0.15-0.20mm [0.006-0.08"]
 Bearing Cap Torque 110Nm [81 ft-lb]

Notes:

- For replacement O-rings use only BS133 Viton 75.

For older style 8.9" with 50mm carrier bearing ID refer to RD33 ([Section 2.33](#)).

For older style 8.9" C-clip model refer to RD124 ([Section 2.124](#)).

For seal housing set-up refer to tech note ([Section 5.1 & 5.2](#)).

For information on RD02 models with 4 cylinder cap bolts, contact ARB.
- Available only as complete 6 gear set # 728A011

ITEM #	QTY	DESCRIPTION	PART #	NOTES
01	1	FLANGE CAP	021702	
02	1	CLUTCH GEAR	050202	
03	1	DIFFERENTIAL CASE	010204	
04	4	RETURN SPRING	150101	
05	3	CROSS SHAFT RETAINING PIN	120303	
06	1	LONG CROSS SHAFT	060205	
07	2	SHORT CROSS SHAFT	060402	
08	1	PISTON	040202	
09	1	BONDED SEAL	160705	
10	1	CYLINDER CAP ASSEMBLY	030208	
11	8	CYLINDER CAP RETAINING BOLT	200205	
12	8	LOCKING TAB (8mm)	150401	
13	1	TAPERED ROLLER BEARING	NOT SUPPLIED	
14	1	SEAL HOUSING RETAINING CLIP	150601	
15	1	SPLINED SIDE GEAR	SEE NOTE	2
16	4	PINION THRUST WASHER	151102	
17	4	PINION GEAR	SEE NOTE	2
18	1	SPIDER BLOCK	070201	
19	1	SIDE GEAR	SEE NOTE	2
20	2	ADJ GEAR THRUST WASHER	151002	
21	1	ADJUSTER NUT	100101	
22	1	SEAL HOUSING ASSEMBLY	081902	
23	2	SEAL HOUSING O-RING	160235	1
*	1	BULKHEAD FITTING KIT (O-RING TYPE)	170111	
*	1	PUSH-IN FITTING (5mm to 1/8" BSPP)	170201	
*	1	NIPPLE (1/8" to 1/8" BSPT)	170501	
*	1	AIR LINE (5mm DIA X 6m LONG)	170301	
*	1	SOLENOID VALVE (12V)	180103	
*	1	SWITCH	180209	
*	1	SWITCH COVER (FRONT)	180210	
*	1	SWITCH COVER (REAR)	180211	
*	10	CABLE TIE	180301	
*	1	WARNING LABEL	210101	
*	1	BUMPER STICKER	210102	
*	1	OPERATING & SERVICE MANUAL	210200	
*	1	INSTALLATION GUIDE	210202	

* Not illustrated in exploded view.

** This model was superseded by **RD142** and is no longer in production.

