

ARB AIR LOCKER *Air Operated Locking Differentials*

RD01 Toyota 8", 45mm BRNG**

Specs:

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]

Notes:

- For replacement O-rings use only BS133 Viton 75

For 8" with 50mm carrier bearing ID refer to RD23 ([Section 2.23](#)).

For 8" IFS refer to RD92 ([Section 2.92](#)).
- For seal housing set-up refer to tech note ([Section 5.1](#) & [5.2](#)).

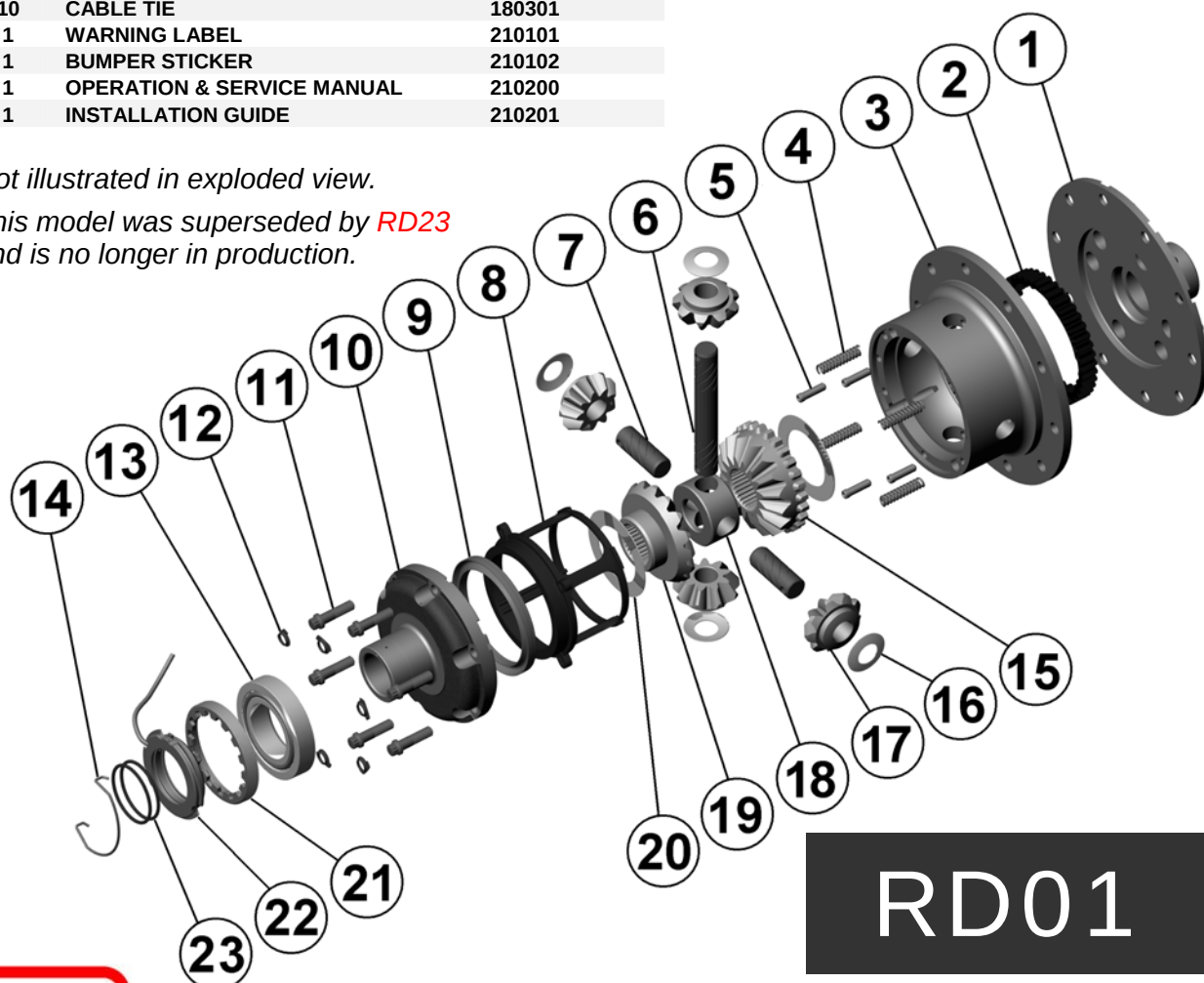
Refer to pinion gear modification tech note ([Section 5.6](#)).

For information on RD01 models with 4 cylinder cap bolts, contact ARB.
- Available only as complete 6 gear set # 728B021

ITEM #	QTY	DESCRIPTION	PART #	NOTES
01	1	FLANGE CAP	020101	
02	1	CLUTCH GEAR	050102	
03	1	DIFFERENTIAL CASE	010104	
04	4	RETURN SPRING	150101	
05	2	CROSS SHAFT RETAINING PIN	120102	
*	2	CROSS SHAFT RETAINING PIN	120302	
06	1	LONG CROSS SHAFT	060103	
07	2	SHORT CROSS SHAFT	060303	
08	1	PISTON	040103	
09	1	BONDED SEAL	160701	
10	1	CYLINDER CAP ASSEMBLY	030118	
11	6	CYLINDER CAP RETAINING BOLT	200205	
12	6	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	3
16	4	PINION THRUST WASHER	151101	
17	4	PINION GEAR	SEE NOTE	3
18	1	SPIDER BLOCK	070101	
19	1	SIDE GEAR	SEE NOTE	3
20	2	SIDE GEAR THRUST WASHER	151003	
21	1	ADJUSTER NUT	100101	
22	1	SEAL HOUSING ASSEMBLY	081902	2
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	OPERATION & SERVICE MANUAL	210200	
*	1	INSTALLATION GUIDE	210201	

* Not illustrated in exploded view.

** This model was superseded by **RD23** and is no longer in production.



RD01

