

ARB AIR LOCKER *Air Operated Locking Differentials*

RD03

Land Rover, 10 SPL, Banjo

Specs:

Axle Spline	10 tooth, Ø28.2mm [1.11"]
Ratio Supported	3.54:1
Ring Gear ID	125.4mm [4.94"]
Ring Gear Bolts	10 bolts on Ø142mm [5.59"]
Ring Gear Torque	58Nm [43 ft-lb]
Backlash	0.10-0.17mm [0.004-0.007"]
Bearing Cap Torque	90Nm [66 ft-lb]

Notes:

- For replacement O-rings use only BS130 Viton 75.
- Both types of Land Rover adjuster nut are supplied with this model. Early models using 100301 will require a special carrier bearing to suit the Air Locker. (Timken #11162 / 11300)

5mm [3/16"] ring gear spacer plate (ARB part# 'RD03A') is available for use with early Land Rover 4.70:1 ratio gears but longer bolts must be used. (Land Rover part# 576521)

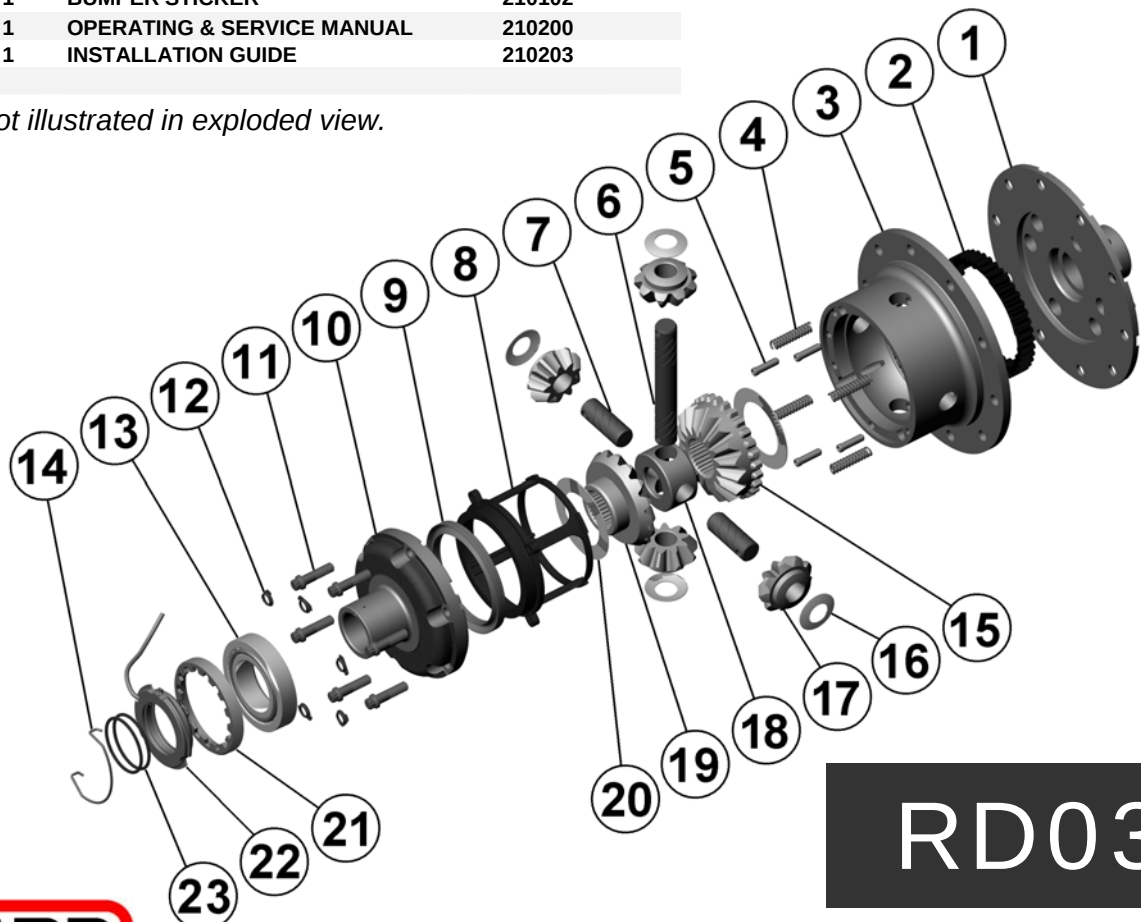
Refer to seal housing set-up tech note (Section 5.2).

For information on RD03 models with 4 cylinder cap bolts, contact ARB.

Refer to Land Rover axle update tech note for 10 to 24 spline conversion information (Section 5.14).

ITEM #	QTY	DESCRIPTION	PART #	NOTES
01	1	FLANGE CAP	020404	
02	1	CLUTCH GEAR	050102	
03	1	DIFFERENTIAL CASE	010404	
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	030120	
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	150602	
15	1	SPLINED SIDE GEAR	130302	
16	4	PINION THRUST WASHER	151101	
17	4	PINION GEAR	140101	
18	1	SPIDER BLOCK	070101	
19	1	SIDE GEAR	130102	
20	2	SIDE GEAR THRUST WASHER	151001	
21	1	ADJUSTER NUT (1.5mm thread pitch)	100201	2
*	1	ADJUSTER NUT (16 TPI Whitworth)	100301	2
22	1	SEAL HOUSING	082001	
23	2	SEAL HOUSING O-RING	160206	1
*	1	BULKHEAD FITTING KIT (O-RING TYPE)	170105	
*	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	210203	

* Not illustrated in exploded view.


RD03
