

ARB AIR LOCKER *Air Operated Locking Differentials*

RD124 Toyota 8.9", C-clip, 50mm BRNG

ITEM #	QTY	DESCRIPTION	PART #	NOTES
01	1	FLANGE CAP	021703	
02	1	CLUTCH GEAR	050202	
03	1	DIFFERENTIAL CASE	011005	
04	8	RETURN SPRING	150101	
05	1	CROSS SHAFT RETAINING PIN	120303	
06	1	LONG CROSS SHAFT	060205	
07	1	SHORT CROSS SHAFT	060402	
08	2	SIDE GEAR THRUST WASHER	151002	
09	1	PISTON	040202	
10	1	BONDED SEAL	160705	
11	1	CYLINDER CAP	030224	
12	6	CYLINDER CAP RETAINING BOLT	200205	
13	6	LOCKING TAB (8mm)	150401	
14	1	TAPERED ROLLER BEARING	NOT SUPPLIED	
15	1	SPLINED SIDE GEAR	SEE NOTE	2
16	1	SPIDER BLOCK	070201	
17	3	PINION GEAR	SEE NOTE	2
18	3	PINION THRUST WASHER	151102	
19	1	THRUST BLOCK	110102	
20	1	SIDE GEAR	SEE NOTE	2
21	1	ADJUSTER NUT	100101	
22	1	SEAL HOUSING ASSEMBLY	081901	
23	2	SEAL HOUSING O-RING	160207	1
24	1	SEAL HOUSING RETAINING CLIP	150601	
*	1	C-CLIP KIT	CCK004	
*	1	SOCKET HEAD CAP SCREW (M8)	200504	
*	2	CYLINDER CAP RETAINING BOLT	200207	
*	2	LOCKING TAB (6mm)	150402	
*	1	LOCK WASHER	4581046	
*	1	BULKHEAD FITTING KIT (O-RING TYPE)	170111	
*	1	PUSH-IN FITTING (5mm to 1/8" BSPP)	170201	
*	1	AIR LINE (5mm DIA X 6m LONG)	170301	
*	1	NIPPLE (1/8" to 1/8" BSPT)	170501	
*	1	SOLENOID VALVE (12V)	180103	
*	1	SWITCH	180209	
*	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	2102124	

* Not illustrated in exploded view.

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:

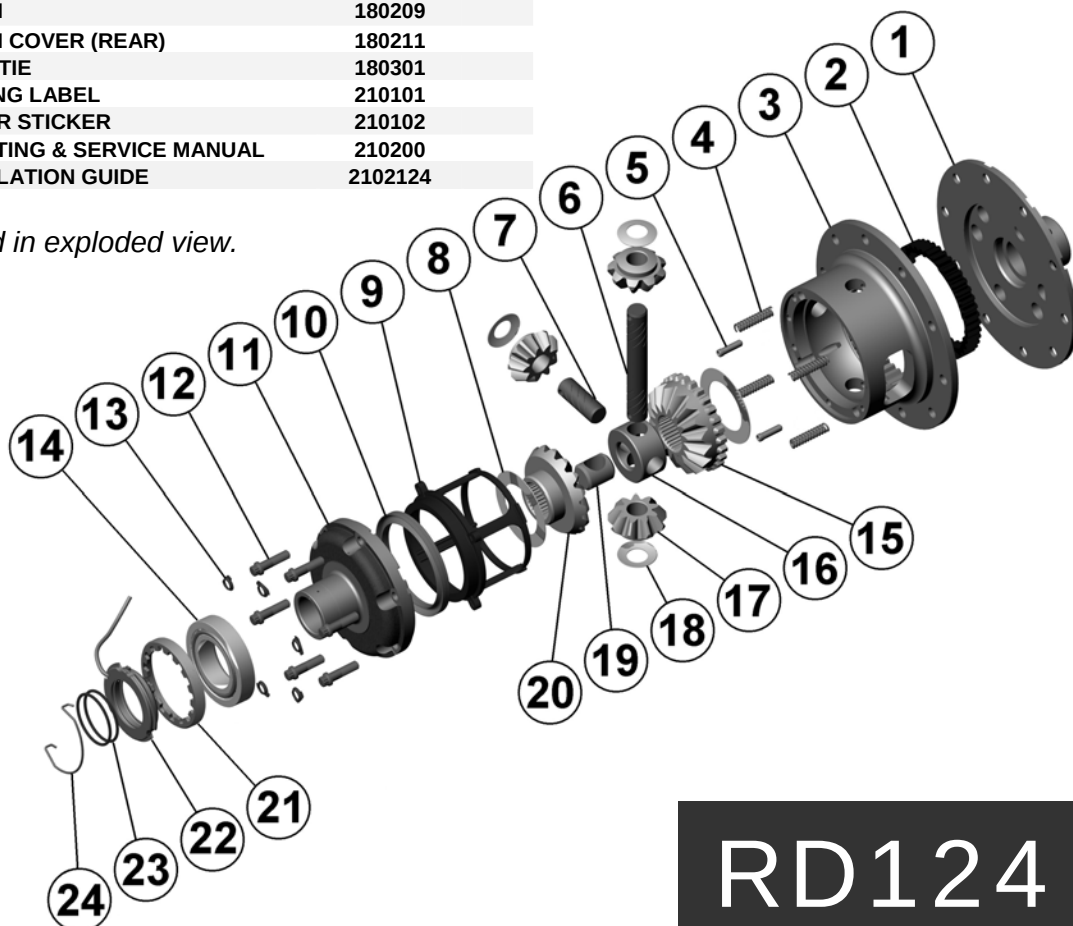
- For replacement O-rings use only BS136 Viton 75.
- Available only as complete 5 gear set# 728A011C

For 8.9" with 45mm carrier bearing ID, 50mm bearings must be acquired. ARB part #160116 and Timken part #32010X-32010X.

For 8.9" non C-clip model (i.e., full floating) refer to RD142 (Section 2.142).

For seal housing set-up refer to tech notes (Section 5.1 & 5.2).

Thicker aftermarket ring gears may require modification to remove the cross shaft. Refer to tech note (Section 5.6).



RD124

