

RD153

Toyota 8.9", C-clip, 50mm BRNG

PARTS LIST

ITEM #	QTY	DESCRIPTION	PART #	NOTES
01	1	FLANGE CAP KIT	027318SP	
02	1	BONDED SEAL	160702SP	
03	1	CLUTCH GEAR & WAVESPRING KIT	050906SP	
04	1	THRUST BLOCK	110509SP	5
05	1	SPIDER BLOCK	070902SP	
06	1	SIDE GEAR	SEE NOTE	3
07	2	SIDE GEAR THRUST WASHER	SEE NOTE	4
08	1	COUNTERSUNK SCREW (PK OF 2)	200213SP	
09	1	RETAINING PIN SET (PK OF 4)	120601SP	
10	-	TAPERED ROLLER BEARING	NOT SUPPLIED	2
11	1	SEAL HOUSING RETAINING CLIP	150601SP	
12	1	SEAL HOUSING KIT	081901SP	
13	1	SEAL HOUSING O-RINGS (PK OF 2)	160207-2	1
14	1	ADJUSTER NUT	100101SP	
15	1	WAVESPRING	150706SP	
16	1	SPLINED SIDE GEAR	SEE NOTE	3
17	3	PINION GEAR	SEE NOTE	3
18	3	PINION THRUST WASHER	SEE NOTE	4
19	3	SHORT CROSS SHAFT	060403SP	
20	1	DIFFERENTIAL CASE	013020SP	
*	1	C-CLIP KIT	CCK005	
*	1	BULKHEAD FITTING KIT (BANJO TYPE)	170114	6
*	1	AIR LINE (6mm DIA X 6m LONG)	170314	6
*	1	SOLENOID VALVE (12V)	180103	
*	1	SWITCH RR LOCKER	180224SP	
*	1	CABLE TIE (PK OF 25)	180301	
*	1	OPERATING & SERVICE MANUAL	210200	
*	1	INSTALLATION GUIDE	2102153	

* *Not illustrated in exploded view*

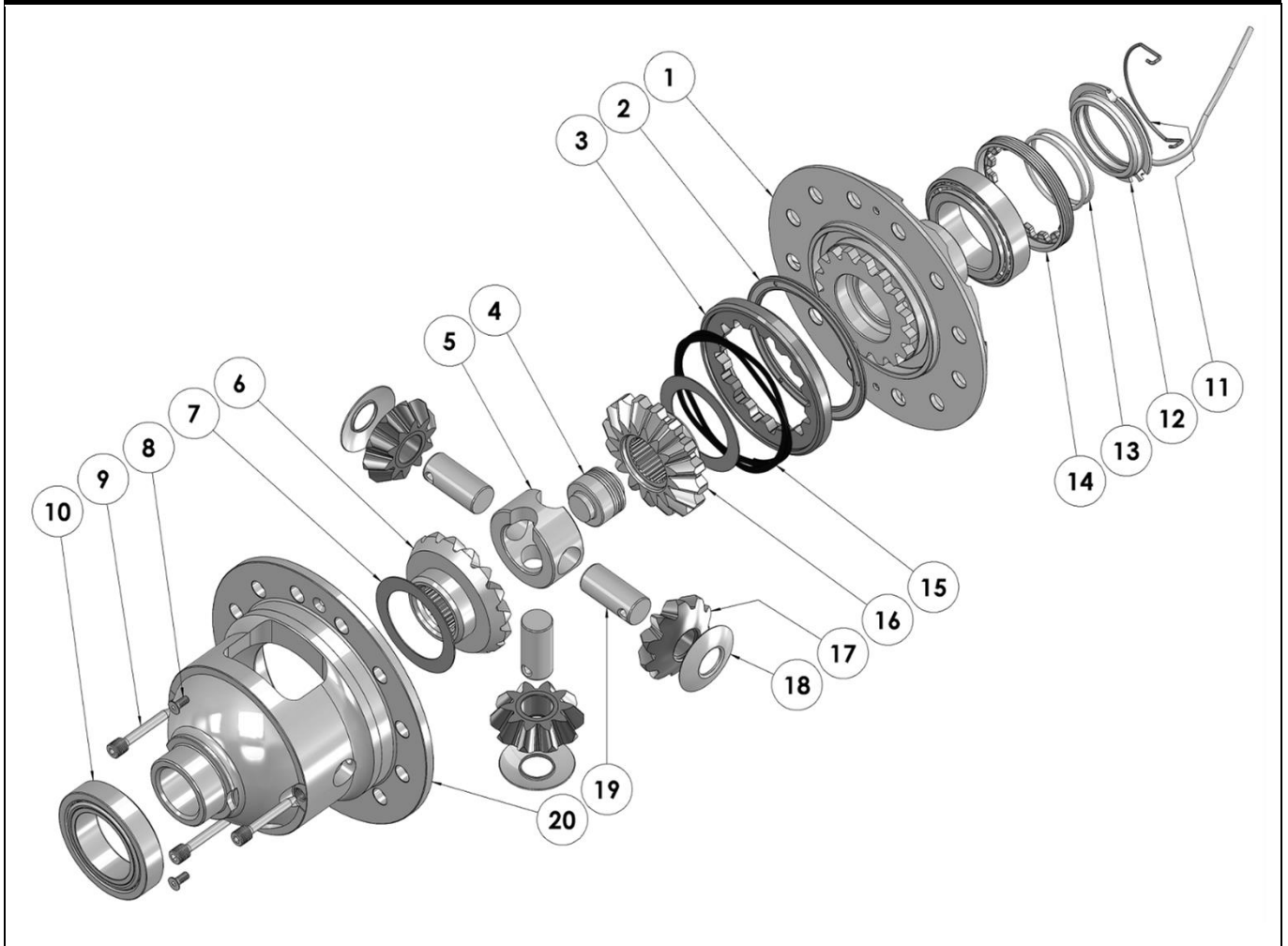
NOTES

- 1 For replacement O-rings use only BS136 Viton 75.
- 2 For 80mm Bearing OD use Timken Bearing #32010X (ARB# 160116).
- 3 Available only as complete 5 gear set # 728H181C
- 4 Available only as complete thrust washer kit #730H01
- 5 Order thrust block 110102SP as replacement for RD153 with a long cross shaft (SN 1606XXXX & earlier).
- 6 All diffs produced before serial #17070001 came with 5mm air connection system. For information contact ARB.
- For 8.9" non C-clip model (i.e., full floating) refer to RD142 ([Section 2.142](#))
- Refer to seal housing set-up tech note ([Sec. 5.2](#)).
- Refer to pinion modification tech note ([Sec. 5.6](#)).

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EXPLODED DIAGRAM



SPECIFICATIONS

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 [0.006-0.008"]
Bearing Cap Torque	110Nm [81 ft-lb]

ARB Corporation Ltd ▪ 42-44 Garden St Kilsyth VIC 3137 Australia
ARB 4X4 Accessories USA ▪ 4810 D St. NW #103 Auburn WA 98001 USA
Australia & International Customer Service ▪ +61 3 9761 6622
North America Customer Service ▪ Toll Free 866 293 9078
www.arb.com.au (AUS & Int) www.arbusa.com (N. America)