

**RD181**

Nissan R180A,27 SPL,3.54 & DN

### PARTS LIST

ITEM #	QTY	DESCRIPTION	PART #	NOTES
1	1	FLANGE CAP KIT	028517SP	
2	1	BONDED SEAL	160701SP	
3	1	CLUTCH GEAR & WAVESPRING KIT	050903SP	
4	2	SHORT CROSS SHAFT	061402SP	
5	1	LONG CROSS SHAFT	061302SP	
6	1	SIDE GEAR	SEE NOTE	2
7	2	SIDE GEAR THRUST WASHER	SEE NOTE	3
8	1	COUNTERSUNK SCREW (PK OF 2)	200213SP	
9	1	RETAINING PIN SET (PK OF 4)	120601SP	
10	*	TAPERED ROLLER BEARING	NOT SUPPLIED	
11	1	SEAL HOUSING KIT	081819SP	
12	1	SEAL HOUSING O-RINGS (PK OF 2)	160206-2	1
13	1	SHIM KIT	SHK008	
14	1	WAVESPRING	150702SP	
15	1	SPLINED SIDE GEAR	SEE NOTE	2
16	4	PINION GEAR	SEE NOTE	2
17	4	PINION THRUST WASHER	SEE NOTE	3
18	1	SPIDER BLOCK	070503SP	
19	1	DIFFERENTIAL CASE	013117SP	
*	1	BULKHEAD FITTING (BANJO TYPE)	170114	4
*	1	AIR LINE (6mm DIA X 6m LONG)	170314	4
*	1	SOLENOID VALVE (12V)	180103	
*	1	SWITCH FR LOCKER	180223	
*	1	CABLE TIE (PK OF 25)	180305	
*	1	OPERATING & SERVICE MANUAL	210200	
*	1	INSTALLATION GUDIE	2102181	

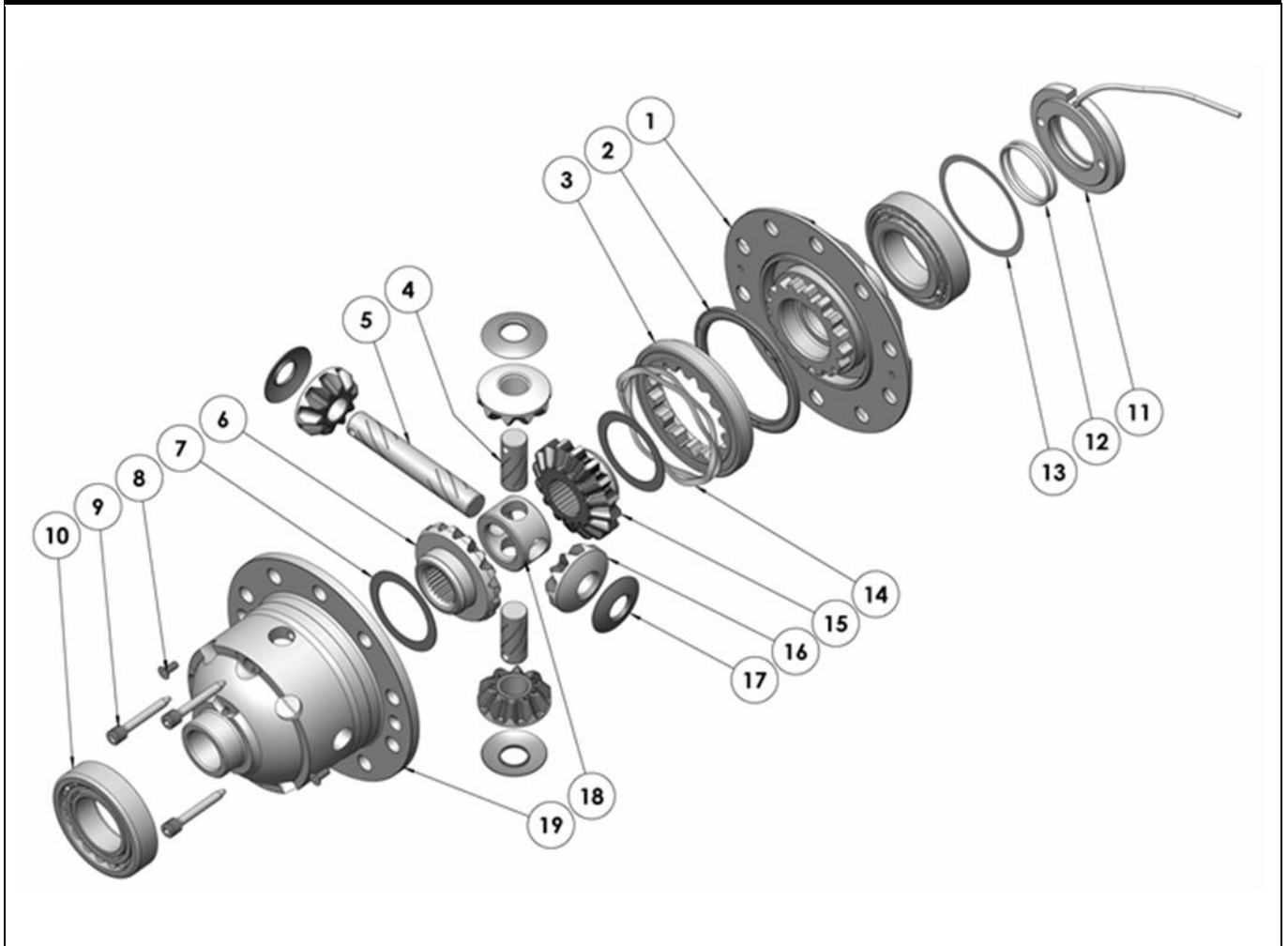
\* *Not illustrated in exploded view*

### NOTES

- 1 For replacement O-rings use only BS130 Viton 75.
- 2 Available only as complete 6 gear set # 728J091
- 3 Available only as complete thrust washer kit #730J01
- 4 All diffs produced before serial #17070001 came with 5mm air connection system. For information contact ARB.
- For ratios of 3.69:1 and up, refer to RD180 ([Section 2.180](#))

**RD181**

Nissan R180A,27 SPL,3.54 &amp; DN

**EXPLODED DIAGRAM****SPECIFICATIONS**

Axle Spline	27 tooth, Ø27.8mm [1.09"]
Ratio Supported	3.54 & Down
Ring Gear ID	115.0mm [4.53"]
Ring Gear Bolts	10 bolts on Ø142mm [5.59"]
Ring Gear Bolt Size	12mm
Ring Gear Torque	169Nm [125 ft-lb]
Backlash	0.10-0.15mm [0.004"-0.006"]
Bearing Cap Torque	136Nm [100 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)