

ARB AIR LOCKER *Air Operated Locking Differentials*

RD181 Nissan R180A,27 SPL,3.54 & DN

Specs:

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]

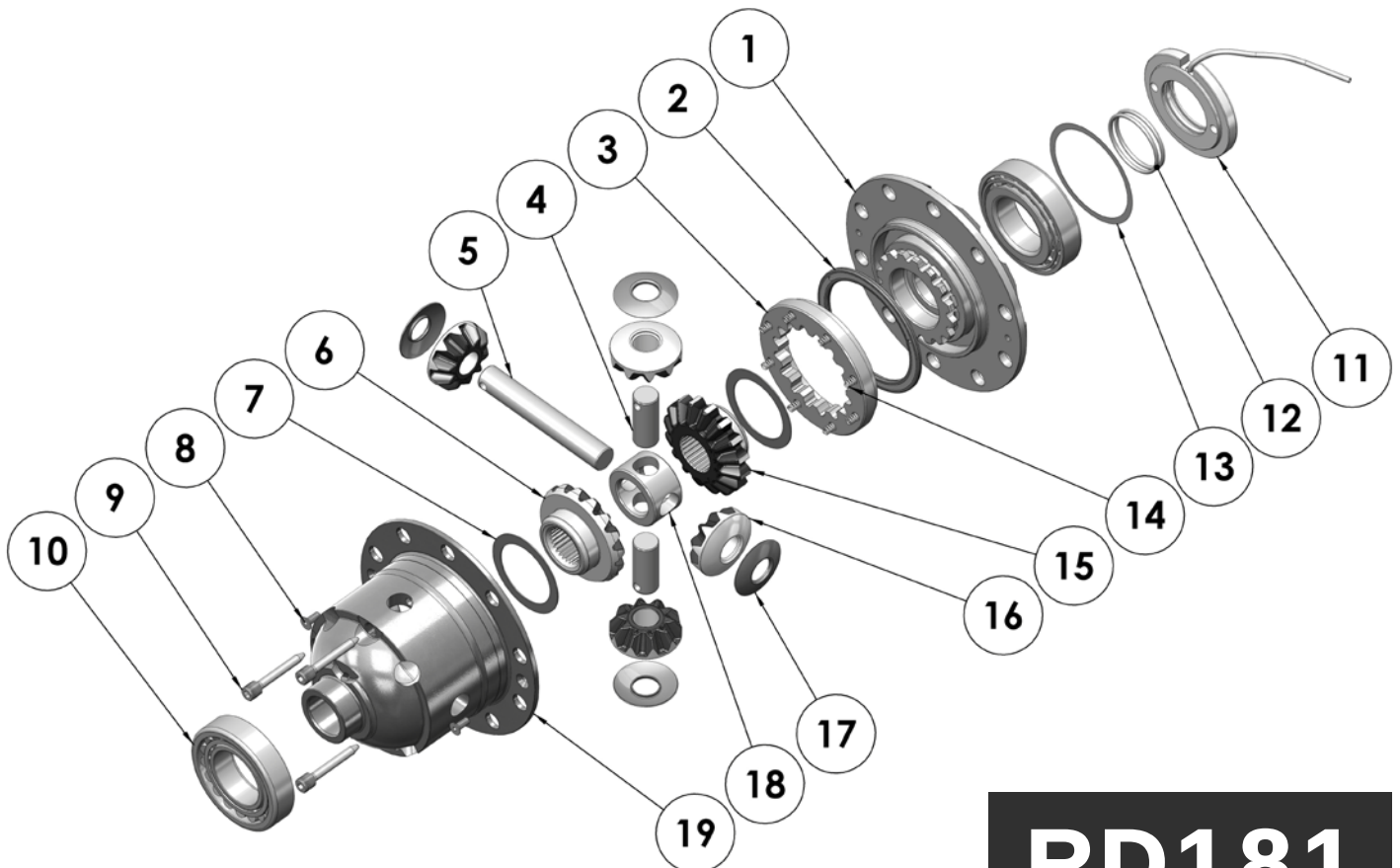
Notes:

- For replacement O-rings use only BS130 Viton 75.

For ratios of 3.69:1 and up, refer to RD180 ([Section 2.180](#))
- Available only as complete 6 gear set # 728J091

ITEM #	QTY	DESCRIPTION	PART #	NOTES
1	1	FLANGE CAP ASSEMBLY	028517	
2	1	BONDED SEAL	160701	
3	1	CLUTCH GEAR	050803	
4	2	SHORT CROSS SHAFT	061402	
5	1	LONG CROSS SHAFT	061302	
6	1	SIDE GEAR	SEE NOTE	2
7	2	SIDE GEAR THRUST WASHER	151011	
8	2	COUNTERSUNK SCREW	200213	
9	3	RETAINING PIN	120601	
10	*	TAPERED ROLLER BEARING	NOT SUPPLIED	
11	1	SEAL HOUSING ASSEMBLY	081819	
12	2	SEAL HOUSING O-RINGS	160206	1
13	1	SHIM KIT	SHK008	
14	8	RETURN SPRINGS	150107	
15	1	SPLINED SIDE GEAR	SEE NOTE	2
16	4	PINION GEAR	SEE NOTE	2
17	4	PINION THRUST WASHER	151112	
18	1	SPIDER BLOCK	070503	
19	1	DIFFERENTIAL CASE	013117	
*	1	BULKHEAD FITTING (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 (FRONT)	180210	
*	10	CABLE TIE	180301	
*	1	WARNING LABEL	210101	
*	1	BUMPER STICKER	210102	
*	1	OPERATION & SERVICE MANUAL	210200	
*	1	INSTALLATION GUIDE	2102181	

* Not illustrated in exploded view.



RD181

