

RD90

TOYOTA 7.5" IFS

PARTS LIST

ITEM #	QTY	DESCRIPTION	PART #	NOTES
1	1	BONDED SEAL	160701SP	
2	1	CLUTCH GEAR & WAVESPRING KIT	050902SP	
3	1	WAVESPRING	150702SP	
4	1	LONG CROSS SHAFT	061302SP	
5	1	SPIDER BLOCK	070503SP	
6	1	DIFFERENTIAL CASE	013101SP	
7	1	RETAINING PIN SET (PK OF 4)	120601SP	
8	1	TAPERED ROLLER BEARING	NOT SUPPLIED	
9	1	SHIM KIT	SHK008	
*	1	MASTER SHIM	150320	
10	1	TAPERED ROLLER BEARING	160117	2
11	1	SEAL HOUSING KIT	081701SP	
12	1	SEAL HOUSING O-RINGS (PK OF 2)	160251-2	1
13	1	FLANGE CAP KIT	028501SP	
14	1	SPLINED SIDE GEAR	SEE NOTE	3
15	4	PINION THRUST WASHER	SEE NOTE	4
16	4	PINION GEAR	SEE NOTE	3
17	2	SHORT CROSS SHAFT	061402SP	
18	1	SIDE GEAR	SEE NOTE	3
19	2	SIDE GEAR THRUST WASHER	SEE NOTE	4
20	1	COUNTERSUNK SCREW (PK OF 2)	200213SP	
21	2	ANTI-FRICTION BUSHING (PTFE)	160801SP	
*	1	AIR LINE (6mm DIA X 6m LONG)	170314	5
*	1	BULKHEAD FITTING KIT (BANJO TYPE)	170114	5
*	1	SOLENOID VALVE (12V)	180103	
*	1	CABLE TIE (PK OF 25)	180305	
*	1	SWITCH FR LOCKER	180223	
*	1	OPERATING & SERVICE MANUAL	210200	
*	1	INSTALLATION GUIDE	210290	

* *Not illustrated in exploded view*

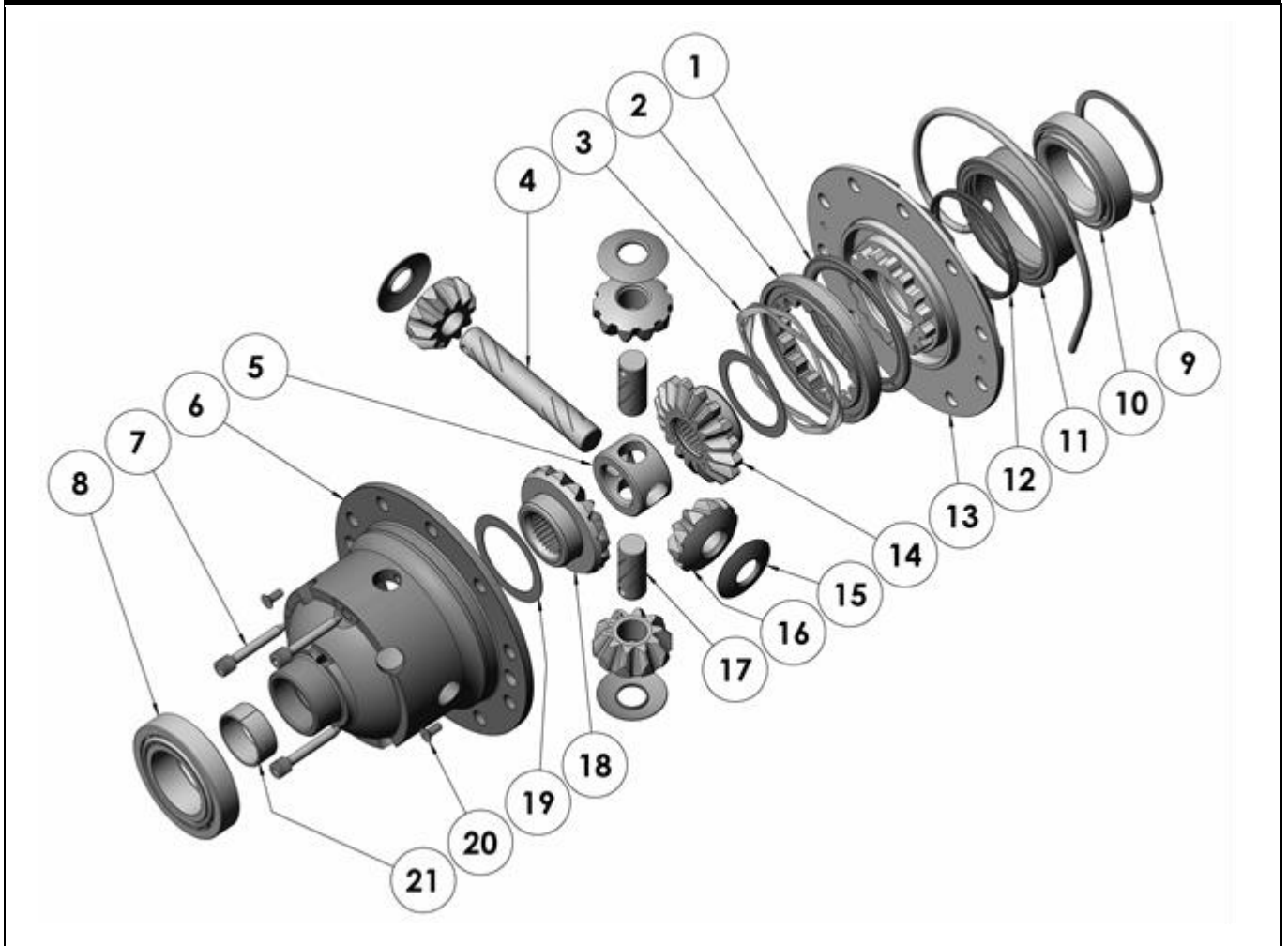
NOTES

- 1 For replacement O-rings use only BS149 Viton 75.
- 2 For replacement bearing use Timken part # LM503349 / LM503310.
- 3 Available only as complete 6 gear set # 728J021
- 4 Available only as complete thrust washer kit #730J01
- 5 All diffs produced before serial #17070001 came with 5mm air connection system. For information contact ARB.
- Spare axle retaining clips may be required (not supplied) to refit CV shafts.

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EXPLODED DIAGRAM



SPECIFICATIONS

Axle Spline	27 tooth, Ø28.0mm [1.10"]
Ratio Supported	All
Ring Gear ID	118.0mm [4.65"]
Ring Gear OD	191mm [7.5"]
Ring Gear Bolts	10 bolts on Ø140mm [5.51"]
Ring Gear Torque	96Nm [71 ft-lb]
Backlash	0.13-0.18mm [0.005-0.007"]
Bearing Cap Torque	85Nm [63 ft-lb]

ARB Corporation Ltd • 42-44 Garden St Kilsyth VIC 3137 Australia
ARB 4X4 Accessories USA • 720 SW 34th St Renton WA 98057 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)