

### RD119

### Ford 9",31 SPL

#### PARTS LIST

ITEM #	QTY	DESCRIPTION	PART #	NOTES
01	1	TAPERED ROLLER BEARING	NOT SUPPLIED	
02	1	FLANGE CAP KIT	027306SP	
03	1	SPLINED SIDE GEAR	SEE NOTE	2
04	1	SPIDER BLOCK	070201SP	
05	1	LONG CROSS SHAFT	060204SP	
06	1	SIDE GEAR	SEE NOTE	2
07	1	COUNTERSUNK SCREW (PK OF 2)	200213SP	
08	1	RETAINING PIN SET (PK OF 4)	120701SP	
09	1	TAPERED ROLLER BEARING	NOT SUPPLIED	
10	1	SEAL HOUSING RETAINING CLIP	150602SP	
11	1	SEAL HOUSING KIT	082002SP	
12	1	SEAL HOUSING O-RINGS (PK OF 2)	160235-2	1
13	1	ADJUSTER NUT (75.3mm [2.95"])	100703SP	
*	1	ADJUSTER NUT (80mm [3.15"])	100704SP	
14	1	BONDED SEAL	160703SP	
15	1	CLUTCH GEAR & WAVESPRING KIT	050904SP	
16	1	WAVESPRING	150704SP	
17	2	SIDE GEAR THRUST WASHER	SEE NOTE	3
18	2	SHORT CROSS SHAFT	060403SP	
19	4	PINION GEAR	SEE NOTE	2
20	4	PINION THRUST WASHER	SEE NOTE	3
21	1	DIFFERENTIAL CASE	012206SP	
*	1	BULKHEAD FITTING KIT (BANJO TYPE)	170114	4
*	1	AIR LINE (6mm DIA X 6m LONG)	170314	4
*	1	SOLENOID VALVE (12V)	180103	
*	1	SWITCH FR OR RR LOCKER	180225	
*	1	CABLE TIE (PK OF 25)	180305	
*	1	OPERATING & SERVICE MANUAL	210200	
*	1	INSTALLATION GUIDE	2102119	

\* *Not illustrated in exploded view*

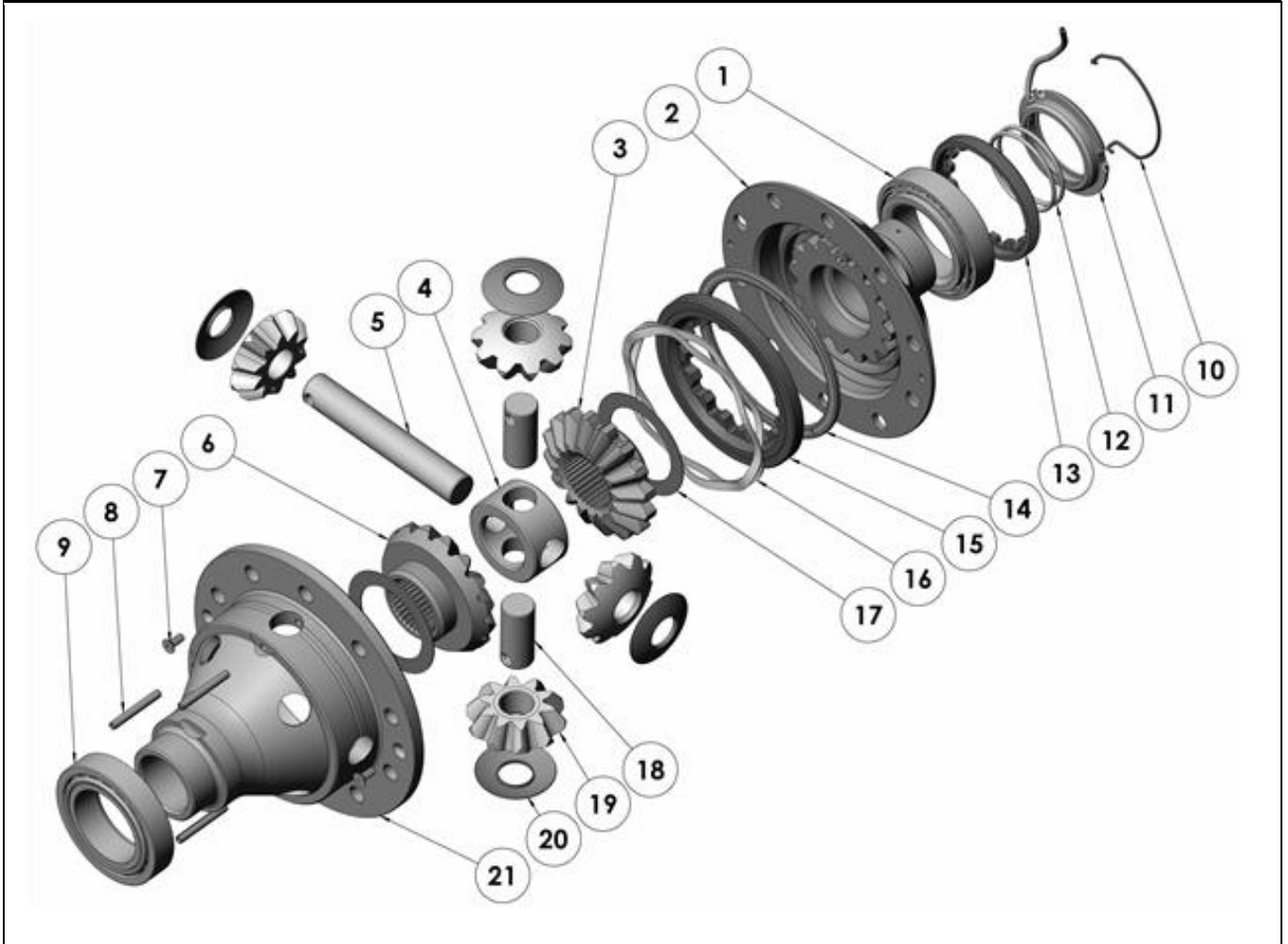
#### NOTES

- 1 For replacement O-rings use only BS132 Viton 75.
- 2 Available only as complete 6 gear set #728H091
- 3 Available only as complete thrust washer kit #730H01
- 4 All diffs produced before serial #17070001 came with 5mm air connection system. For information contact ARB.
- For the 35 spline Ford 9" refer to RD99 ([Section 2.99](#)).
- Refer to seal housing set-up tech note ([Section 5.2](#)).

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### EXPLODED DIAGRAM



### SPECIFICATIONS

Axle Spline	31 tooth, Ø33.5mm [1.32"]
Ratio Supported	All
Ring Gear ID	127.0mm [5.00"]
Ring Gear OD	229mm [9"]
Ring Gear Bolts	10 bolts on Ø152mm [6.00"]
Ring Gear Torque	95Nm [70 ft-lb]
OEM Backlash	0.25-0.41mm [0.010-0.016"]
Non-OEM Backlash	0.18-0.25mm [0.007-0.010"]
Bearing Cap Torque	81Nm [60 ft-lb]

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