

**RD89**

Toyota Tacoma,RR\*\*

**\*\*THIS MODEL IS SUPERSEDED BY RD129, CROSSED OUT PARTS NOT AVAILABLE**

### PARTS LIST

ITEM #	QTY	DESCRIPTION	PART #	NOTES
01	1	FLANGE CAP	021705	
02	1	CLUTCH GEAR	050402	
03	1	DIFFERENTIAL CASE	010408	
04	1	RETURN SPRING (PK OF 4)	150112SP	
05	2	RETAINING PIN SET (PK OF 2)	120302SP	
06	1	LONG CROSS SHAFT	061301	
07	2	SHORT CROSS SHAFT	061401	
08	1	PISTON	040103SP	
09	1	BONDED SEAL	160701SP	
10	1	CYLINDER CAP ASSEMBLY	030429	
11	1	CYL CAP RETAINING BOLT (PK OF 8)	200205SP	
12	1	LOCKING TAB (8mm) (PK OF 8)	150401SP	
13	1	SEAL HOUSING O-RINGS (PK OF 2)	160232-2	1
14	1	SEAL HOUSING KIT	080305SP	3
15	1	TAPERED ROLLER BEARING	160116	2
16	1	SPLINED SIDE GEAR	SEE NOTE	4
17	4	PINION GEAR	SEE NOTE	4
18	1	PINION THRUST WASHER (PK OF 4)	151111SP	
19	1	SPIDER BLOCK	070402	
20	1	SIDE GEAR	SEE NOTE	4
21	1	S GEAR THRUST WASHER (PK OF 2)	151003SP	
*	1	BULKHEAD FITTING KIT (O-RING TYPE)	170111	
*	1	PUSH-IN FITTING (5mm to 1/8"BSPP)	170201SP	
*	1	AIR LINE (5mm DIA X 6m LONG)	170301SP	
*	1	SOLENOID VALVE (12V)	180103	
*	1	SWITCH RR LOCKER	180224	
*	1	CABLE TIE (PK OF 25)	180305	
*	1	OPERATING & SERVICE MANUAL	210200	
*	1	INSTALLATION GUIDE	210289	

\* *Not illustrated in exploded view*

### NOTES

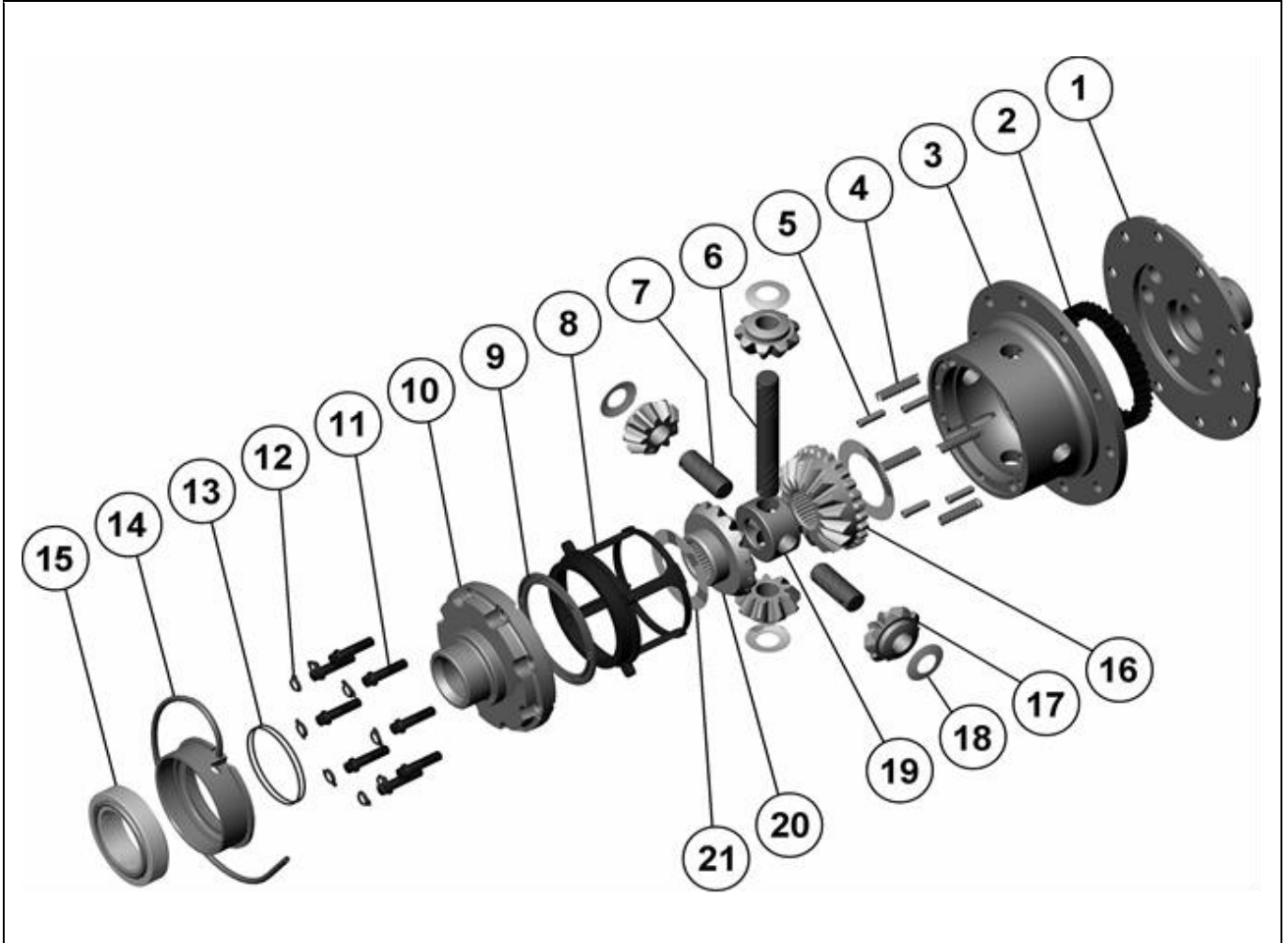
- 1 For replacement O-rings use only BS037 Viton 75.
- 2 For replacement bearing use Timken part # X32010X / Y32010X.
- 3 Seal housing comes pre-installed.
- 4 Available only as complete 6 gear set # 728B023
- To service O-rings or bearing remove the seal housing assembly with a bearing puller. 86mm bearing OD.

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### EXPLODED DIAGRAM



### SPECIFICATIONS

Axle Spline	30 tooth, Ø33.0mm [1.30"]
Ratio Supported	All
Ring Gear ID	127.5mm [5.02"]
Ring Gear OD	213mm [8.4"]
Ring Gear Bolts	12 bolts on Ø152mm [5.98"]
Ring Gear Torque	96Nm [71 ft-lb]
Backlash	0.13-0.18mm [0.005-0.007"]
Bearing Cap Torque	85Nm [63 ft-lb]

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