

**RD223**

Ford Ranger PJ,PK/Mazda BT50,IFS,30 SPL

### PARTS LIST

| ITEM # | QTY | DESCRIPTION                       | PART #       | NOTES |
|--------|-----|-----------------------------------|--------------|-------|
| 01     | 1   | FLANGE CAP KIT                    | 028523SP     |       |
| 02     | 1   | BONDED SEAL                       | 160701SP     |       |
| 03     | 1   | CLUTCH GEAR & WAVESPRING KIT      | 050903SP     |       |
| 04     | 2   | SHORT CROSS SHAFT                 | 061402SP     |       |
| 05     | 1   | LONG CROSS SHAFT                  | 061302SP     |       |
| 06     | 1   | SIDE GEAR                         | SEE NOTE     | 2     |
| 07     | 2   | SIDE GEAR THRUST WASHER           | SEE NOTE     | 3     |
| 08     | 1   | COUNTERSUNK SCREW (PK OF 2)       | 200213SP     |       |
| 09     | 1   | RETAINING PIN SET (PK OF 4)       | 120601SP     |       |
| 10     | -   | TAPERED ROLLER BEARING            | NOT SUPPLIED |       |
| 11     | 1   | SEAL HOUSING RETAINING CLIP       | 150601SP     |       |
| 12     | 1   | SEAL HOUSING KIT                  | 081902SP     |       |
| 13     | 1   | SEAL HOUSING O-RINGS (PK OF 2)    | 160235-2     | 1     |
| 14     | 1   | ADJUSTER NUT                      | 100101SP     |       |
| 15     | 1   | WAVESPRING                        | 150702SP     |       |
| 16     | 1   | SPLINED SIDE GEAR                 | SEE NOTE     | 2     |
| 17     | 4   | PINION GEAR                       | SEE NOTE     | 2     |
| 18     | 4   | PINION THRUST WASHER              | SEE NOTE     | 3     |
| 19     | 1   | SPIDER BLOCK                      | 070503SP     |       |
| 20     | 1   | DIFFERENTIAL CASE                 | 013123SP     |       |
| *      | 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 LOCKER                  | 180223SP     |       |
| *      | 1   | CABLE TIE (PK OF 25)              | 180305       |       |
| *      | 1   | OPERATING & SERVICE MANUAL        | 210200       |       |
| *      | 1   | INSTALLATION GUIDE                | 2102223      |       |

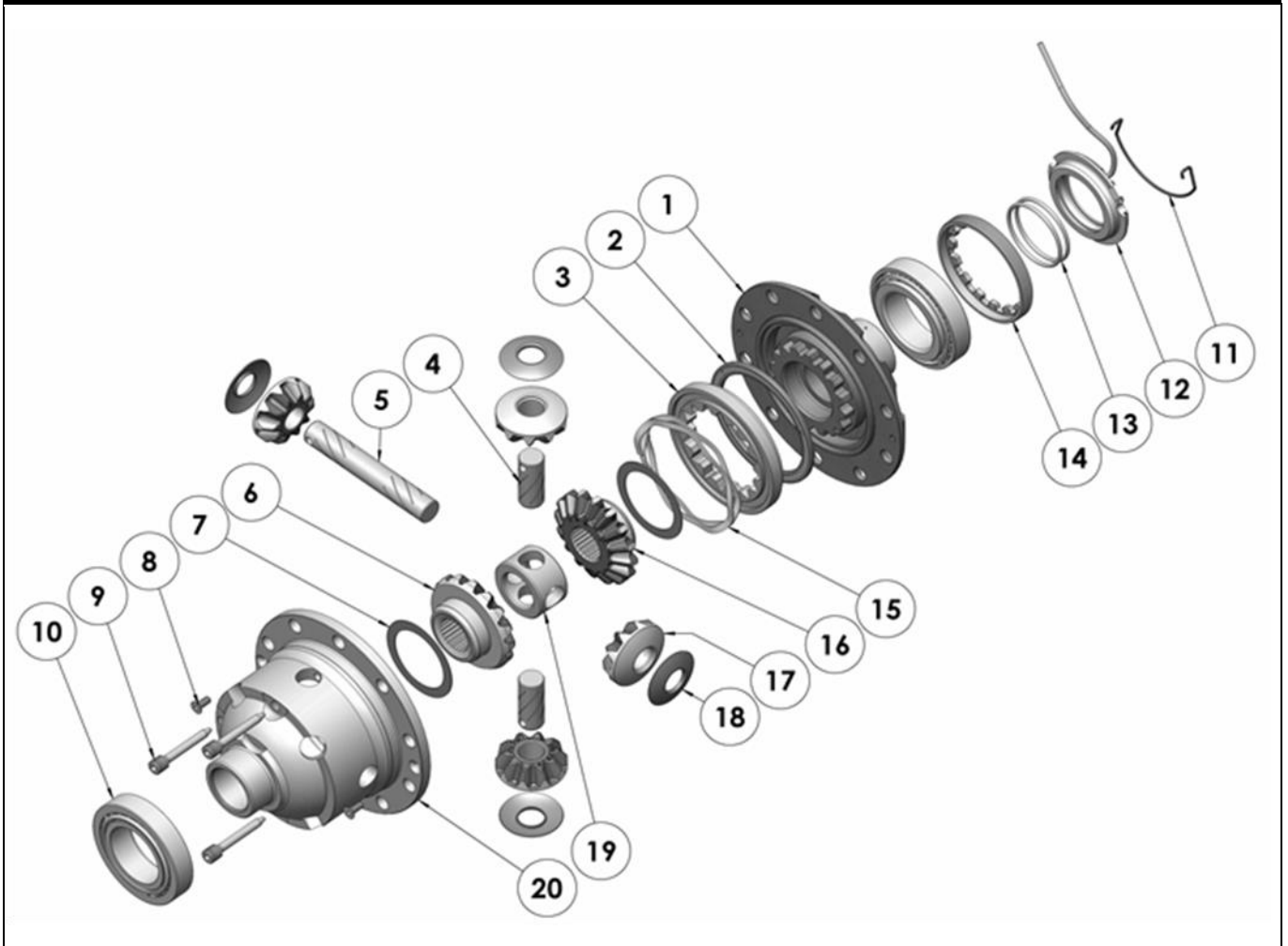
\* *Not illustrated in exploded view*

### NOTES

- 1 For replacement O-rings use only BS133 Viton 75.
- 2 Available only as complete 6 gear set # 728J061
- 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 seal housing set-up refer to tech note ([Section 5.2](#)).

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**EXPLODED DIAGRAM****SPECIFICATIONS**

|                    |                               |
|--------------------|-------------------------------|
| Axle Spline        | 30 tooth, Ø30.8mm [1.21"]     |
| Ratio Supported    | All                           |
| Ring Gear ID       | 127.9mm [5.04"]               |
| Ring Gear OD       | 190.0mm [7.48"]               |
| Ring Gear Bolts    | 10 bolts on Ø160mm [6.30"]    |
| Ring Gear Torque   | 68.6-83.3Nm [50.6-61.4 ft-lb] |
| Backlash           | 0.09-0.11mm [0.0035"-0.0043"] |
| Bearing Cap Torque | 73-107Nm [53.9-78.9 ft-lb]    |

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