

### RD117

Dana 44,30 SPL,3.73 & DN

### PARTS LIST

| ITEM # | QTY | DESCRIPTION                       | PART #   | NOTES |
|--------|-----|-----------------------------------|----------|-------|
| 1      | 1   | SEAL HOUSING O-RINGS (PK OF 2)    | 160207SP | 1     |
| 2      | 1   | SEAL HOUSING KIT                  | 081803SP |       |
| 3      | 2   | SHIM KIT                          | SHK009   |       |
| *      | 2   | MASTER SHIMS                      | 150352   |       |
| 4      | 1   | BONDED SEAL                       | 160703SP |       |
| 5      | 1   | CLUTCH GEAR & WAVESPRING KIT      | 050904SP |       |
| 6      | 1   | SPIDER BLOCK                      | 070201SP |       |
| 7      | 1   | LONG CROSS SHAFT                  | 060204SP |       |
| 8      | 1   | SIDE GEAR                         | SEE NOTE | 3     |
| 9      | 1   | COUNTERSUNK SCREW (PK OF 2)       | 200213SP |       |
| 10     | 1   | RETAINING PIN SET (PK OF 4)       | 120601SP |       |
| 11     | 2   | TAPERED ROLLER BEARING            | 160101   | 2     |
| 12     | 1   | FLANGE CAP KIT                    | 027305SP |       |
| 13     | 1   | WAVESPRING                        | 150704SP |       |
| 14     | 1   | SPLINED SIDE GEAR                 | SEE NOTE | 3     |
| 15     | 2   | SHORT CROSS SHAFT                 | 060403SP |       |
| 16     | 4   | PINION GEAR                       | SEE NOTE | 3     |
| 17     | 4   | PINION THRUST WASHER              | SEE NOTE | 4     |
| 18     | 2   | SIDE GEAR THRUST WASHER           | SEE NOTE | 4     |
| 19     | 1   | DIFFERENTIAL CASE                 | 013005SP |       |
| *      | 1   | BULKHEAD FITTING KIT (BANJO TYPE) | 170114   | 5     |
| *      | 1   | AIR LINE (6mm DIA X 6m LONG)      | 170314SP | 5     |
| *      | 1   | SOLENOID VALVE (12V)              | 180103   |       |
| *      | 1   | SWITCH                            | 180209SP |       |
| *      | 1   | SWITCH COVER (FRONT)              | 180210SP |       |
| *      | 1   | SWITCH COVER (REAR)               | 180211SP |       |
| *      | 1   | CABLE TIE (PK OF 25)              | 180305   |       |
| *      | 1   | OPERATING & SERVICE MANUAL        | 210200   |       |
| *      | 1   | INSTALLATION GUIDE                | 2102117  |       |

\* *Not illustrated in exploded view*

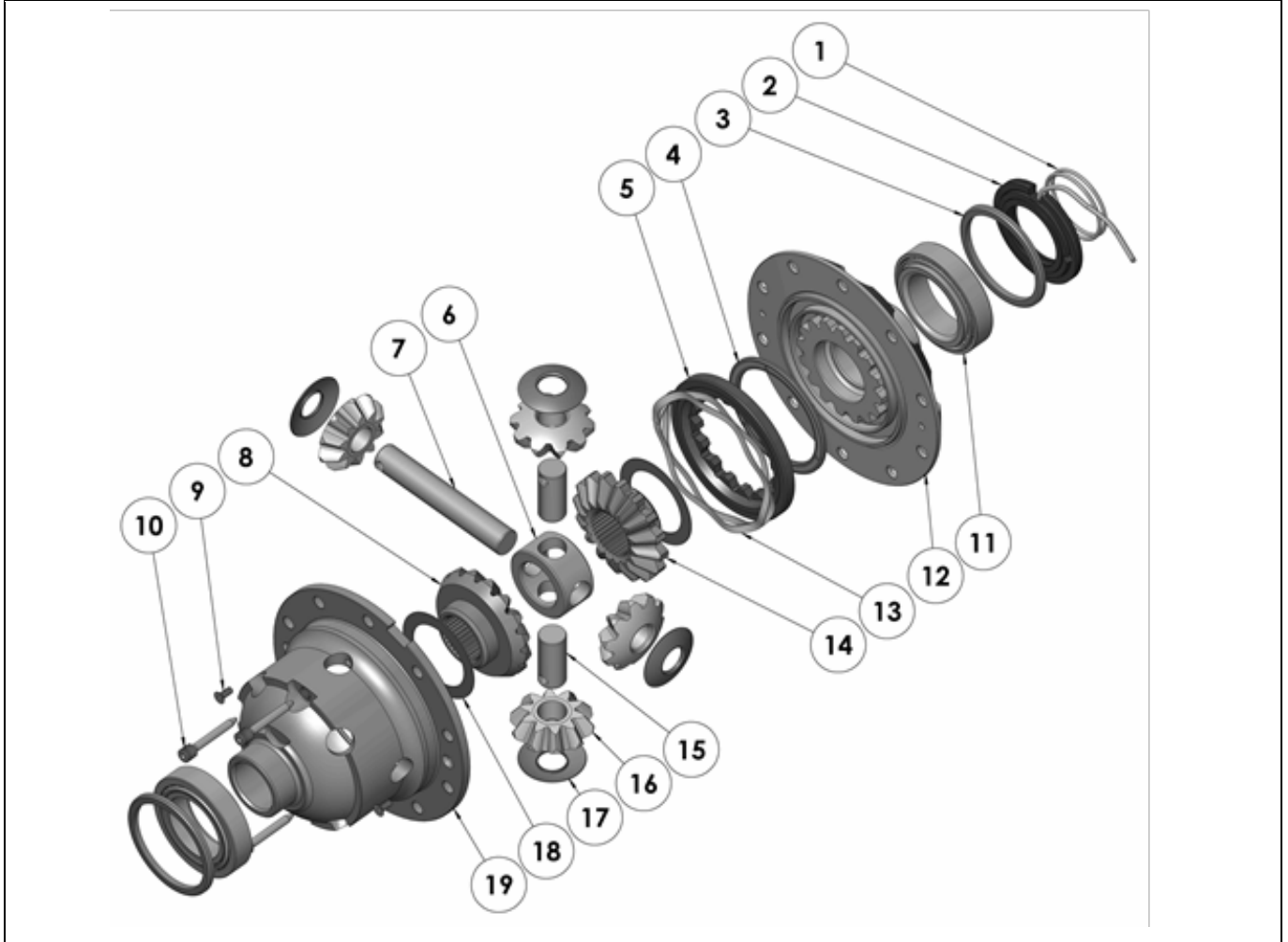
### NOTES

- 1 For replacement O-rings use only BS136 Viton 75.
- 2 For replacement bearing use Timken part # LM104949 / LM104912.
- 3 Available only as complete 6 gear set # 728H081
- 4 Available only as complete thrust washer kit #730H01
- 5 All diffs produced before serial #17070001 came with 5mm air connection system. For information contact ARB.
- For Ford IFS installation refer to tech note ([Section 5.12](#)) for alternative to C-clip use.
- For ratios of 3.92:1 and up refer to RD116 ([Section 2.116](#))
- Suitable for use with ABS tone ring.
- Newer OEM Dana 44 ring and pinion sets may use 3/8", 7/16" or 1/2" bolts. The flange holes of the Air Locker may need to be drilled or reamed from Ø3/8" to Ø7/16" or Ø1/2" to suit.

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### EXPLODED DIAGRAM



### SPECIFICATIONS

|                    |   |
|--------------------|---|
| Axle Spline        | 30 tooth, Ø33.3mm [1.31"]   |
| Ratio Supported    | 3.73:1 & down   |
| Ring Gear ID       | 141.3mm [5.56"]   |
| Ring Gear OD       | 216mm [8.5"]  |
| Ring Gear Bolts    | 10 Bolts on Ø168mm [6.61"]  |
| Ring Gear Torque   | 3/8" Bolts 75Nm [55 ft-lb]<br>7/16" Bolts 136Nm [100 ft-lb]<br>1/2" Bolts 176Nm [130 ft-lb] |
| Backlash           | 0.15-0.25mm [0.006-0.010"]  |
| Bearing Cap Torque | 81Nm [60 ft-lb]   |