

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) | 170314 | 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*

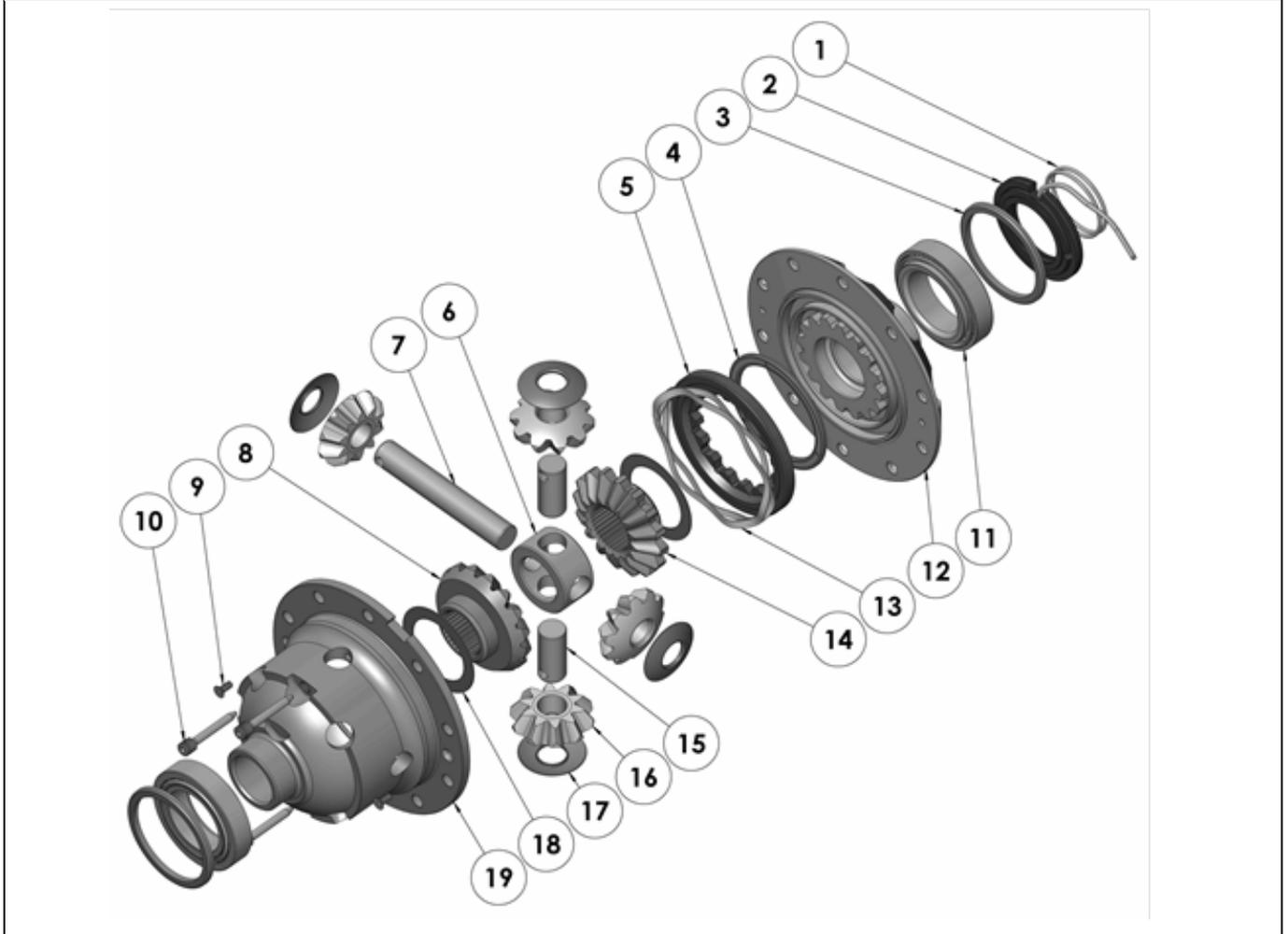
NOTES

- 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] 7/16" Bolts 136Nm [100 ft-lb] 1/2" Bolts 176Nm [130 ft-lb] |
| Backlash | 0.15-0.25mm [0.006-0.010"] |
| Bearing Cap Torque | 81Nm [60 ft-lb] |