

# ARB AIR LOCKER *Air Operated Locking Differentials*

## RD46

Mitsubishi 9",RR,28 SPL

## Specs:

|                    |                            |
|--------------------|----------------------------|
| Axle Spline        | 28 tooth, Ø30.5mm [1.20"]  |
| Ratio Supported    | All                        |
| Ring Gear ID       | 145.0mm [5.71"]            |
| Ring Gear Bolts    | 12 bolts on Ø175mm [6.89"] |
| Ring Gear Torque   | 85Nm [63 ft-lb]            |
| Backlash           | 0.13-0.18mm [0.005-0.007"] |
| Bearing Cap Torque | 60Nm [44 ft-lb]            |

## Notes:

- 1 For replacement O-rings use only BS133 Viton 75.
- 2 Available only as complete 6 gear set # 728A061

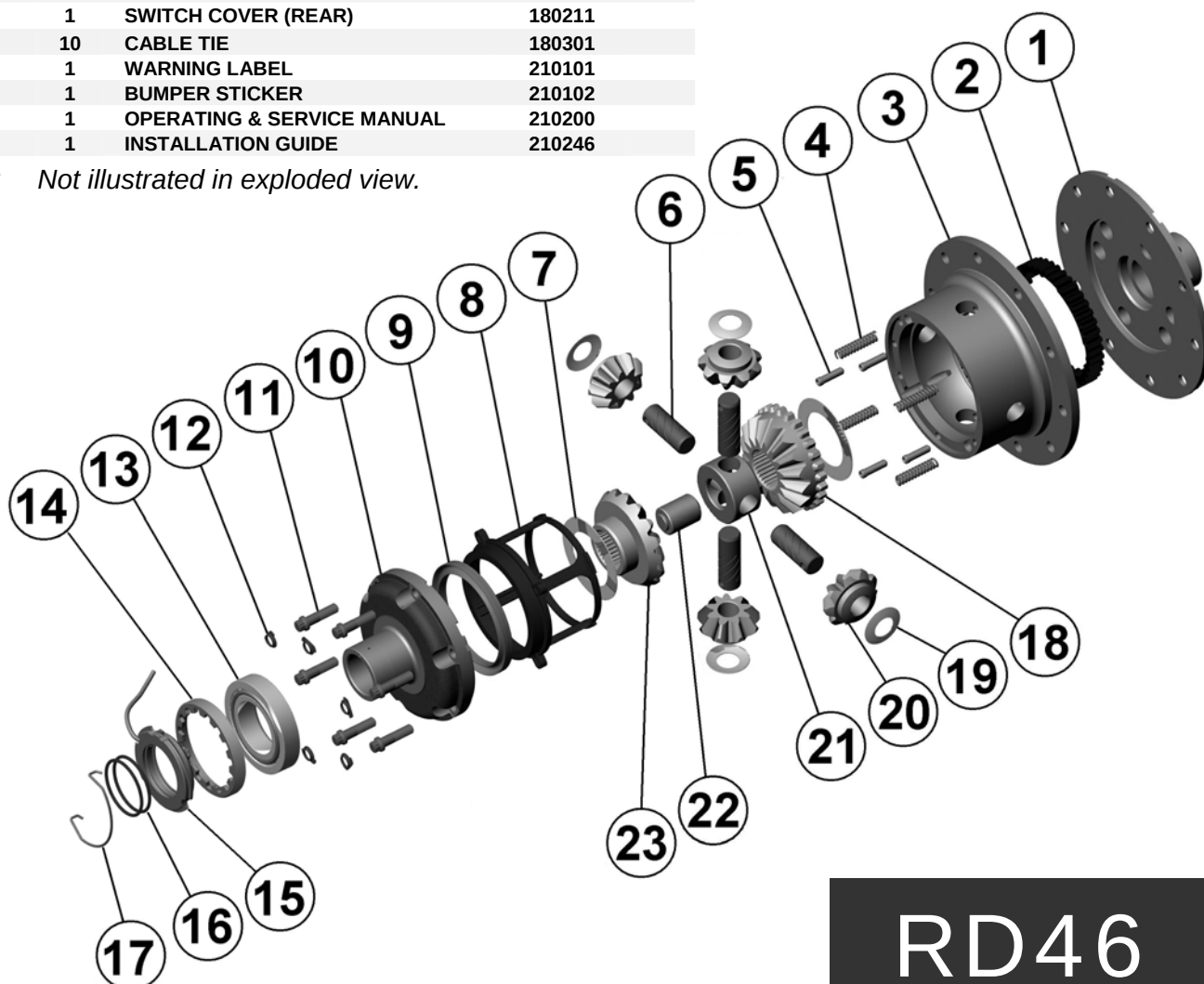
For information on RD46 models with metal pistons, contact ARB.

For seal housing set-up refer to tech notes (Section 5.1 & 5.2).

For the 'small' Mitsubishi 28 spline rear differential with 10 ring gear bolts refer to RD05 (Section 2.5).

| ITEM # | QTY | DESCRIPTION                        | PART #       | NOTES |
|--------|-----|------------------------------------|--------------|-------|
| 01     | 1   | FLANGE CAP                         | 021202       |       |
| 02     | 1   | CLUTCH GEAR                        | 050202       |       |
| 03     | 1   | DIFFERENTIAL CASE                  | 011403       |       |
| 04     | 4   | RETURN SPRING                      | 150101       |       |
| 05     | 4   | CROSS SHAFT RETAINING PIN          | 120303       |       |
| 06     | 4   | SHORT CROSS SHAFT                  | 060402       |       |
| 07     | 2   | SIDE GEAR THRUST WASHER            | 151002       |       |
| 08     | 1   | PISTON                             | 040202       |       |
| 09     | 1   | BONDED SEAL                        | 160705       |       |
| 10     | 1   | CYLINDER CAP ASSEMBLY              | 030603       |       |
| 11     | 8   | CYLINDER CAP RETAINING BOLT        | 200205       |       |
| 12     | 8   | LOCKING TAB (8mm)                  | 150401       |       |
| 13     | 1   | TAPERED ROLLER BEARING             | NOT SUPPLIED |       |
| 14     | 1   | ADJUSTER NUT                       | 100101       |       |
| 15     | 1   | SEAL HOUSING ASSEMBLY              | 081902       |       |
| 16     | 2   | SEAL HOUSING O-RING                | 160235       | 1     |
| 17     | 1   | SEAL HOUSING RETAINING CLIP        | 150601       |       |
| 18     | 1   | SPLINED SIDE GEAR                  | SEE NOTE     | 2     |
| 19     | 4   | PINION THRUST WASHER               | 151102       |       |
| 20     | 4   | PINION GEAR                        | SEE NOTE     | 2     |
| 21     | 1   | SPIDER BLOCK                       | 070201       |       |
| 22     | 1   | THRUST BLOCK                       | 110504       |       |
| 23     | 1   | SIDE GEAR                          | SEE NOTE     | 2     |
| *      | 1   | BULKHEAD FITTING KIT (O-RING TYPE) | 170111       |       |
| *      | 1   | PUSH-IN FITTING (5mm to 1/8" BSP)  | 170201       |       |
| *      | 1   | NIPPLE (1/8" to 1/8" BSPT)         | 170501       |       |
| *      | 1   | AIR LINE (5mm DIA X 6m LONG)       | 170301       |       |
| *      | 1   | SOLENOID VALVE (12V)               | 180103       |       |
| *      | 1   | SWITCH                             | 180209       |       |
| *      | 1   | SWITCH COVER (REAR)                | 180211       |       |
| *      | 10  | CABLE TIE                          | 180301       |       |
| *      | 1   | WARNING LABEL                      | 210101       |       |
| *      | 1   | BUMPER STICKER                     | 210102       |       |
| *      | 1   | OPERATING & SERVICE MANUAL         | 210200       |       |
| *      | 1   | INSTALLATION GUIDE                 | 210246       |       |

\* Not illustrated in exploded view.



# RD46

