PRODUCT SPECIFICATION

AIR OPERATED LOCKING DIFFERENTIALS:

Air Locker locking differentials allow you to tackle the toughest terrain. As the world’s premier traction aid, ARB Air Lockers keep you moving in all conditions.

DESIGN & DEVELOPMENT:

In ARB’s R&D Department, engineers constantly strive to come up with better and tougher products to meet the ever demanding 4WD market. As such, we are excited to announce the release of two new Air Locker models, RD221 and RD222, the improved versions of RD83 and RD84 respectively. These new diffs will continue to suit all applications from their predecessors, with anticipation to suit more future vehicles models. Named the GM8.5” AAM860, vehicles that take these diffs are 2012-on Holden Colorado, Colorado 7, Chevrolet Trailblazer, S10 and Hummer H3 just to name a few.

RD221 and RD222 were designed with flexibility and robustness in mind. Not only do the new diffs feature ‘one-suits-all’ seal housing, it is also more adaptive in accommodating to OE variances. As a result, the diffs have become relatively easier to install and more reliable.

RD83 and RD84 have ceased production, but spare parts will continue to be supported.
FEATURES:

• Provides 100% traction on demand without affecting on-road drivability or driveline wear
• Vastly improved traction means less reliance on momentum, thus reducing the likelihood of vehicle damage and environmental impact
• Easy, convenient operation allows the user to concentrate on the terrain without leaving the comfort and safety of the driver’s seat
• Ultra durable and extremely strong – only the highest quality materials used in construction
• Incredibly simple yet effective design that employs minimal moving parts, thereby ensuring maximum reliability
• Thoroughly tested and proven design – trusted and used in over 100 countries around the world
• Front and rear Air Lockers available for most makes and models
• 4WD and 2WD applications
• Easy installation and maintenance – no special tools, skills or additives required
• Patented ‘timed’ locking mechanism offers high strength and ultrafast un-locking (#1, #14 & #16).
• Comprehensive photo illustrated installation and service guides.
• Steel reinforced, elastomer bonded annular seal designed to handle the most extreme climatic temperatures on Earth (#15)
• Patented 2 piece design that offers a range of interchangeable side gears (sold separately) to integrate with non-standard axle shaft splines.

TECHNICAL SPECIFICATIONS:

RD221

• 28 spline axle
• Ø30.5mm [1.20"] axle shaft diameter (outside of splines)

RD222

• 30 spline axle
• Ø33.3mm [1.31"] axle shaft diameter (outside of splines)

Common

• 10 bolts on Ø156mm [6.14”]
• 127.0mm [5.00"] dia. ring gear ID
• 216mm [8.50"] & 219mm [8.63"] dia. ring gear OD

MODEL RANGE:

Rear application:

• Hummer H3
• Early models Chev pickups and wagons (ref app chart)
• 2012-on Holden Colorado and Colorado 7
• Chev Trailblazer and S10

Front application:

• Early models Chev pickups and wagons (refer app chart)

Refer to International vehicle application chart at www.arb.com.au for current information.
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