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High Performance Air Lockers for the GM 10 Bolt

Seattle, WA - In response to 33 and 35 inch tires becoming the norm for off-road vehicles, ARB is pleased to introduce their new high performance differentials for the GM 10 bolt, 8.5 inch, 28 and 30 spline axles.

Referred to as RD83 and RD84, these Air Lockers are the first "high performance" differentials for the GM 10 bolt, 8.5 inch axle. These Air Lockers boast a two-piece differential case for increased rigidity and a newly developed combination captive seal housing / bearing assembly for superior seal housing alignment.

The spider gears' cross sections have been modified to increase core strength, and the total running surface area of each gear's spherical seat has been nearly tripled.



NEWS RELEASE

Another feature is ARB's "timed gear technology," which perfectly meshes the differential's side gears and spider gears before engaging, enabling the all gear tooth surfaces to equally share the load, resulting in maximum strength and an unsurpassed tolerance for abuse.

The GM 10 Bolt, 8.5 inch Air Locker is available from any ARB retailer by ordering part number RD83 for 28 spline axles or RD84 for 30 spline axles. The 12-volt air compressor is available by ordering part number RDCKA. For 24-volt electrical systems, air compressor part number RDCKA24 is available.

About the Air Locker

The world's most highly regarded traction aid, the ARB Air Locker is a driver-controlled locking differential. Unlike other types of differentials, the Air Locker provides the best of both worlds with exceptional performance in all conditions. When additional traction is required, the driver activates the Air Locker via a convenient dash mounted switch. Pneumatic pressure,



supplied by an on-board air compressor, engages ARB's patented locking mechanism within the Air Locker, thus preventing the wheels from turning independently. The Air Locker is deactivated by flicking a switch, thus returning the differential to normal operation.

About ARB

ARB Corporation Limited is Australia's largest and industry leading manufacturer and distributor of quality vehicle accessories, with offices in most countries around the world. The company manufactures the world's most sought after brands including ARB Air Locker locking differentials, bull bars, Old Man Emu (OME) shocks and suspension, IPF high performance lighting systems, and Safari snorkel systems. ARB USA is the North, South & Central American headquarters and distributor of ARB accessories.

Images & Captions

ARB utilizes the latest CAD, CAM parametric solid modelling systems and finite element analysis packages when developing new products such as



the Air Locker seen here. This technology enables Air Locker engineers to test a computer generated model in an unlimited number of virtual environments before the final product is developed.

Media Inquiries

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