

ARB AIR LOCKER *Air Operated Locking Differentials*

RD84 GM 8.5"/10 Bolt/AAM 860, 30 SPL

Specs:

Axle Spline	30 tooth, Ø33.3mm [1.31"]
Ratio Supported	2.73:1 & up
Ring Gear ID	127.0mm [5.00"]
Ring Gear OD	216mm [8.5"] & 219mm [8.63"]
Ring Gear Bolts	10 bolts on Ø156mm [6.14"]
Ring Gear Torque	88Nm [65 ft-lb] (GM 8.5") 108Nm [80 ft-lb] (AAM 860)
Backlash	0.15-0.25mm [0.006-0.010"]
Bearing Cap Torque	81Nm [60 ft-lb] (GM 8.5") 108Nm [80ft-lb] (AAM 860)

Notes:

- For replacement O-rings use only BS133 Viton 75.
- For replacement bearing on early model 'small bearing' (Ø73.43mm [2.891"]) axle use Timken part # LM102949 / LM102911.

For replacement bearing on late model 'large bearing' (Ø77.79mm [3.063"]) axle use Timken part # LM603049 / LM603012.

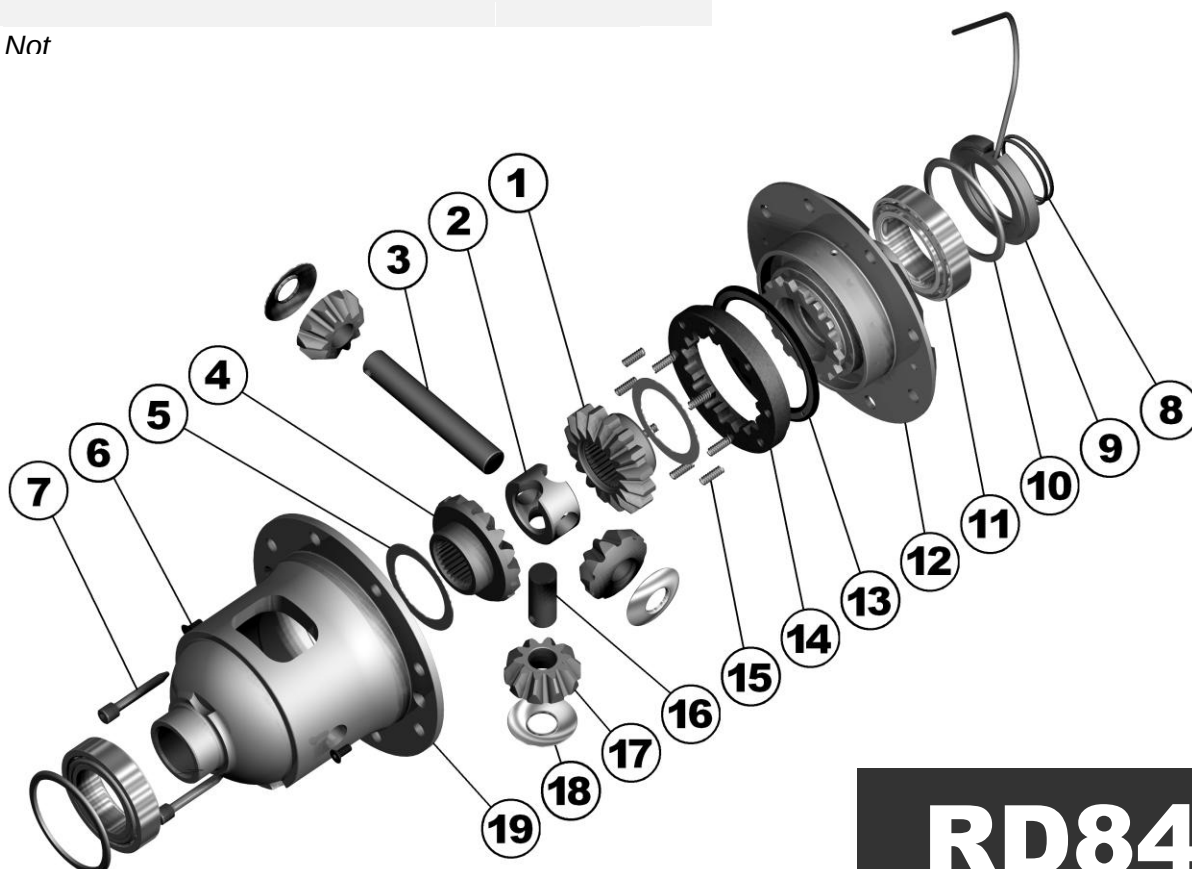
Ring gear bolts are 7/16" - 20 left-hand thread, and must be removed in a clockwise direction.

Thicker aftermarket ring gears may require modification to remove the cross shaft.
Refer to tech note ([Section 5.6](#)).

For the 28 spline model see RD83 ([Section 2.83](#)).
- Available only as complete 5 gear set #728H051C

ITEM #	QTY	DESCRIPTION	PART #	NOTES
1	1	SPLINED SIDE GEAR	SEE NOTE	3
2	1	SPIDER BLOCK	070902	
3	1	LONG CROSS SHAFT	060204	
4	1	SIDE GEAR	SEE NOTE	3
5	2	SIDE GEAR THRUST WASHER	151010	
6	2	COUNTERSUNK SCREW	200213	
7	2	CROSS SHAFT RETAINING PIN	120601	
8	2	SEAL HOUSING O-RING	160235	1
9	1	SEAL HOUSING ASSY (Ø73.4 [2.9"])	081801	
*	1	SEAL HOUSING ASSY (Ø77.8 [3.1"])	081802	
10A	1	SHIM KIT (Ø73.0 [2.9"])	SHK003	
*	1	MASTER SHIM (OD73.2 [2.9"])	150325	
10B	1	SHIM KIT (Ø77.8 [3.1"])	SHK008	
*	1	MASTER SHIM (OD77.7 [3.1"])	150320	
11	2	TAPERED ROLLER BEARING (SMALL)	160114	2
12	1	FLANGE CAP ASSEMBLY	028403	
13	1	BONDED SEAL	160702	
14	1	CLUTCH GEAR	050801	
15	8	RETURN SPRING	150107	
16	1	SHORT CROSS SHAFT	060403	
17	3	PINION GEAR	SEE NOTE	3
18	3	PINION THRUST WASHER	151110	
19	1	DIFFERENTIAL CASE	013003	
*	1	C-CLIP KIT	CCK005	
*	1	PUSH-IN FITTING (5mm to 1/8" BSPP)	170201	
*	1	AIR LINE (5mm DIA X 6m LONG)	170301	
*	1	BULKHEAD FITTING KIT (O-RING TYPE)	170111	
*	1	SOLENOID VALVE (12V)	180103	
*	10	CABLE TIE	180301	
*	1	SWITCH	180209	
*	1	SWITCH COVER (REAR)	180211	
*	1	WARNING STICKER	210101	
*	1	BUMPER STICKER	210102	
*	1	OPERATING & SERVICE MANUAL	210200	
*	1	INSTALLATION GUIDE	210284	

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RD84

