

ARB AIR LOCKER *Air Operated Locking Differentials*

RD10

GM 10 Bolt, 8.5", 28 SPL**

Specs:

ITEM #	QTY	DESCRIPTION	PART #	NOTES
01	1	FLANGE CAP	020902	
02	1	CLUTCH GEAR	050301	
03	1	DIFFERENTIAL CASE	010905	
04	4	RETURN SPRING	150101	
05	1	CROSS SHAFT RETAINING PIN	120301	
06	1	LONG CROSS SHAFT	060204	
07	1	PISTON	040301	
08	1	U-RING	160301	
09	1	CYLINDER CAP ASSEMBLY	030113	
10	2	SEAL HOUSING O-RING	160206	1
11	6	CYLINDER CAP RETAINING BOLT	200205	
12	6	LOCKING TAB (8mm)	150401	
13	1	TAPERED ROLLER BEARING	160105	2
14	1	SEAL HOUSING	080601	
15	1	SHIM KIT	SHK003	
16	1	SPLINED SIDE GEAR	SEE NOTE	3
17	2	PINION GEAR	SEE NOTE	3
18	2	PINION THRUST WASHER	151103	
19	1	SIDE GEAR	SEE NOTE	3
20	2	SIDE GEAR THRUST WASHER	151003	
*	1	C-CLIP KIT	CCK003	
*	1	BULKHEAD FITTING KIT	170102	
*	1	PUSH-IN FITTING (5mm to 1/8"BSPP)	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	210210	

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|--------------------|----------------------------|
| Axle Spline | 28 tooth, Ø30.5mm [1.20"] |
| Ratio Supported | 2.73:1 & up |
| Ring Gear ID | 127.0mm [5.00"] |
| Ring Gear OD | 216mm [8.5"] |
| Ring Gear Bolts | 10 bolts on Ø156mm [6.14"] |
| Ring Gear Torque | 88Nm [65 ft-lb] |
| Backlash | 0.15-0.25mm [0.006-0.010"] |
| Bearing Cap Torque | 81Nm [60 ft-lb] |

Notes:

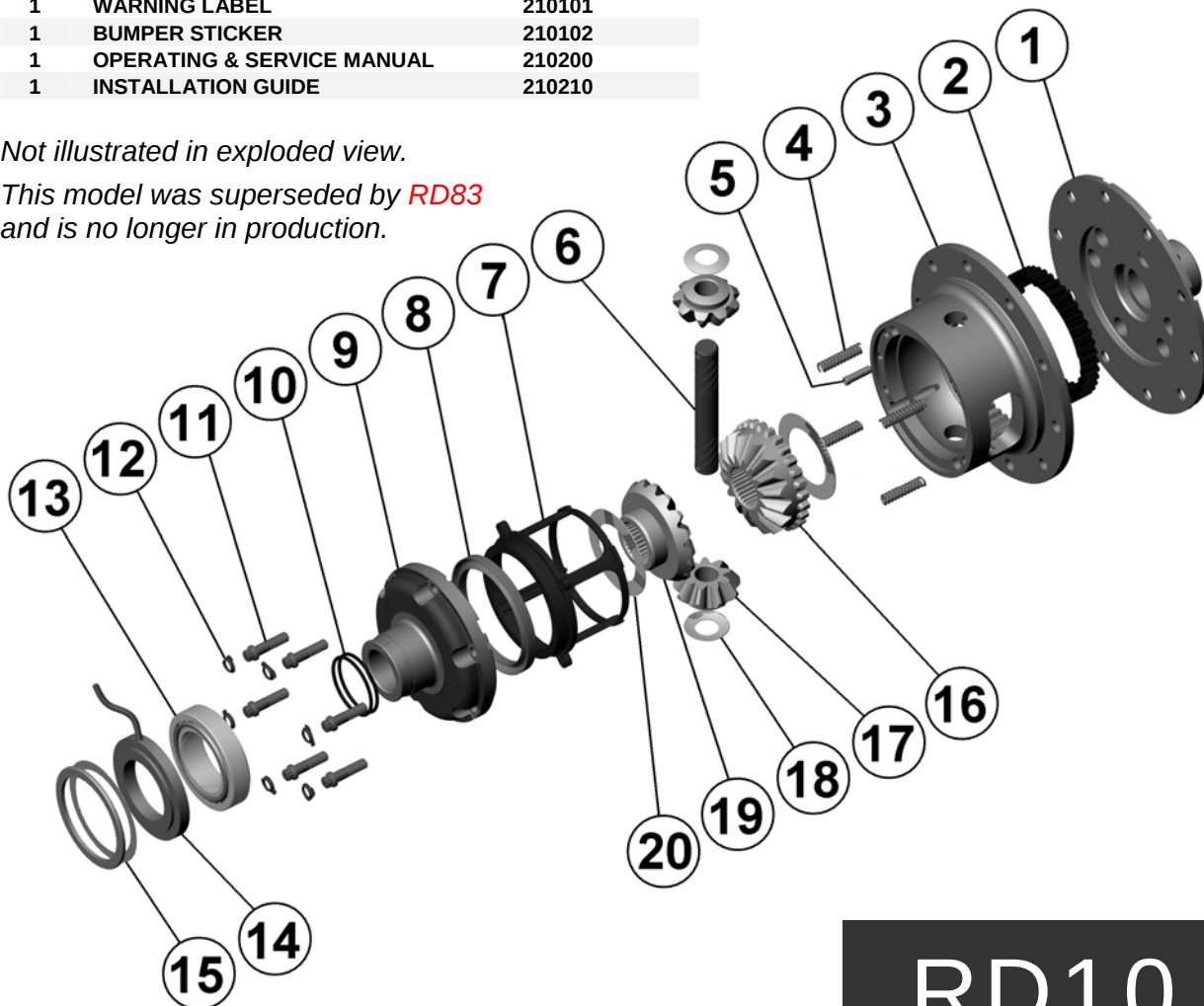
- 1 For replacement O-rings use only BS130 Viton 75.
- 2 For replacement bearing use Timken#LM501349 / LM501310.

For information on RD10 models with 4 cylinder cap bolts, contact ARB.

Ring gear bolts are 7/16" - 20 left-hand thread, and must be removed in a clockwise direction.
- 3 Available only as complete 4 gear set #728D012C

* *Not illustrated in exploded view.*

****** *This model was superseded by **RD83** and is no longer in production.*



RD10