

ARB AIR LOCKER *Air Operated Locking Differentials*

RD09

Nissan H233B,31 SPL**

Specs:

Axle Spline	31 tooth, Ø32mm [1.26"]
Ratio Supported	All
Ring Gear ID	146.0mm [5.75"]
Ring Gear Bolts	9 bolts on Ø176mm [6.93"]
Ring Gear Bolt Size	12mm
Ring Gear Torque	142Nm [105 ft-lb]
Backlash	0.15-0.20mm [0.006-0.008"]
Bearing Cap Torque	99Nm [73 ft-lb]

Notes:

- For replacement O-rings use only BS133 Viton 75
- If ring gear bolts are 10mm then spacers must be used (supplied with kit).

For information on RD09 models with metal pistons, contact ARB.

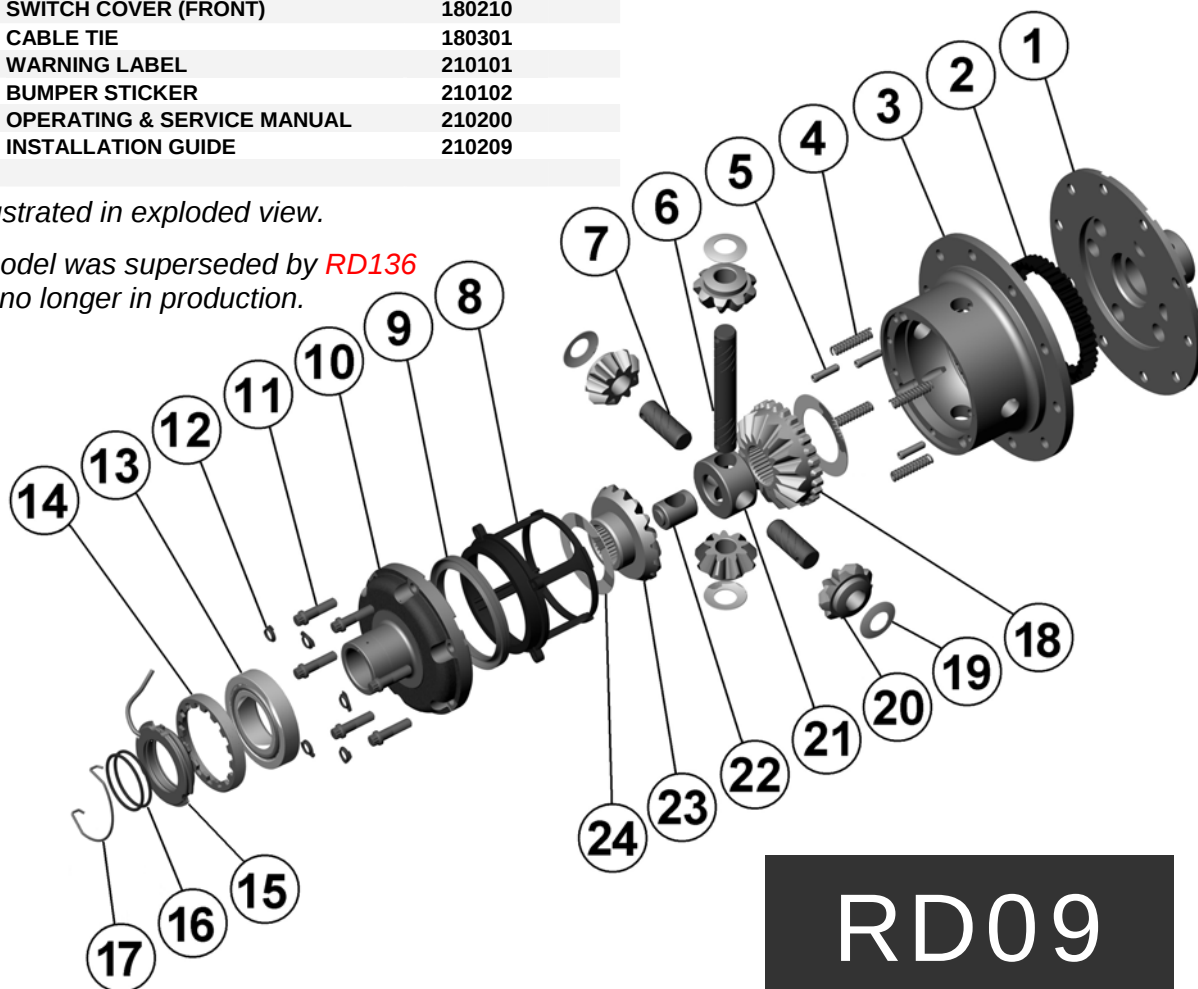
For seal housing set-up refer to tech notes (Section 5.1 & 5.2).

For H233B 31 spline differential with no thrust block and no through cross shaft refer to RD78A (Section 2.78).
- Available only as complete 6 gear set # 728A021

ITEM #	QTY	DESCRIPTION	PART #	NOTES
01	1	FLANGE CAP	020302	
02	1	CLUTCH GEAR	050202	
03	1	DIFFERENTIAL CASE	010306	
04	4	RETURN SPRING	150101	
05	3	CROSS SHAFT RETAINING PIN	120303	
06	1	LONG CROSS SHAFT	060205	
07	2	SHORT CROSS SHAFT	060402	
08	1	PISTON	040202	
09	1	BONDED SEAL	160705	
10	1	CYLINDER CAP ASSEMBLY	030214	
11	8	CYLINDER CAP RETAINING BOLT	200205	
12	8	LOCKING TAB (8mm)	150401	
13	1	TAPERED ROLLER BEARING	NOT SUPPLIED	
14	1	ADJUSTER NUT	100102	
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	3
19	4	PINION THRUST WASHER	151102	
20	4	PINION GEAR	SEE NOTE	3
21	1	SPIDER BLOCK	070201	
22	1	THRUST BLOCK	110101	
23	1	SIDE GEAR	SEE NOTE	3
24	2	SIDE GEAR THRUST WASHER	151002	
*	9	RING GEAR BOLT SPACER	4581061	2
*	1	BULKHEAD FITTING KIT (O-RING TYPE)	170111	
*	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	
*	1	SWITCH COVER (FRONT)	180210	
*	10	CABLE TIE	180301	
*	1	WARNING LABEL	210101	
*	1	BUMPER STICKER	210102	
*	1	OPERATING & SERVICE MANUAL	210200	
*	1	INSTALLATION GUIDE	210209	

* Not illustrated in exploded view.

** This model was superseded by **RD136** and is no longer in production.


RD09


Revision Date 24/04/09