

AIR OPERATED LOCKING DIFFERENTIAL

RD60

AMC Model 20,3.07 & UP

**THIS MODEL WAS SUPERSEDED BY RD186, CROSSED OUT PARTS NOT AVAILABLE

ITEM #	PARTS L	.IST			
02 1 CLUTCH GEAR 050+02 03 1 DIFFERENTIAL CASE 041505 04 1 RETURN SPRINGS (PK OF 4) 150101SP 05 2 RETAINING PIN SET (PK OF 2) 120302SP 06 4 SHORT CROSS SHAFT 060303 07 1 S GEAR THRUST WASHER (PK OF 2) 151003SP 08 1 PISTON 040103SP 09 1 BONDED SEAL 160701SP 10 1 CYLINDER CAP 030127 11 1 SEAL HOUSING O-RINGS (PK OF 2) 160208-2 1 12 1 CYL CAP RETAINING BOLT (PK OF 8) 200205SP 13 1 LOCKING TAB (8mm) (PK OF 8) 150401SP 14 1 TAPERED ROLLER BEARING 160104 2 15 1 SEAL HOUSING KIT 080504SP 16 1 SHIM KIT SHK008 * 1 MASTER SHIM 150320 17 1 SPLINED SIDE GEAR	ITEM #	QTY	DESCRIPTION	PART#	NOTES
03 1 DIFFERENTIAL CASE 044505 04 1 RETURN SPRINGS (PK OF 4) 150101SP 05 2 RETAINING PIN SET (PK OF 2) 120302SP 06 4 SHORT CROSS SHAFT 060303 07 1 S GEAR THRUST WASHER (PK OF 2) 151003SP 08 1 PISTON 040103SP 09 1 BONDED SEAL 160701SP 10 1 CYLINDER CAP 030127 11 1 SEAL HOUSING O-RINGS (PK OF 2) 160208-2 1 12 1 CYL CAP RETAINING BOLT (PK OF 8) 200205SP 13 1 LOCKING TAB (8mm) (PK OF 8) 150401SP 14 1 TAPERED ROLLER BEARING 160104 2 15 1 SEAL HOUSING KIT 080504SP 16 1 SHIM KIT SHK008 * 1 MASTER SHIM 150320 * 1 MASTER SHIM 150320 17 1 SPLINED SIDE GEAR	01	1	FLANGE CAP	022203	
04 1 RETURN SPRINGS (PK OF 4) 150101SP 05 2 RETAINING PIN SET (PK OF 2) 120302SP 06 4 SHORT CROSS SHAFT 060303 07 1 S GEAR THRUST WASHER (PK OF 2) 151003SP 08 1 PISTON 040103SP 09 1 BONDED SEAL 160701SP 10 1 CYLINDER CAP 030427 11 1 SEAL HOUSING O-RINGS (PK OF 2) 160208-2 1 12 1 CYL CAP RETAINING BOLT (PK OF 8) 200205SP 13 1 LOCKING TAB (8mm) (PK OF 8) 150401SP 14 1 TAPERED ROLLER BEARING 160104 2 15 1 SEAL HOUSING KIT 80504SP 1 16 1 SHIM KIT 80504SP 1 16 1 SHIM KIT 80504SP 3 16 1 SHIM KIT 80504SP 3 17 1 SPLINED SIDE GEAR SEE NOTE 3	02	1	CLUTCH GEAR	050102	
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* 1 MASTER SHIM 150320 17 1 SPLINED SIDE GEAR SEE NOTE 3 18 1 PINION THRUST WASHER (PK OF 4) 151101SP 19 4 PINION GEAR SEE NOTE 3 20 1 SPIDER BLOCK 070101 21 1 THRUST BLOCK 110506SP 22 1 SIDE GEAR SEE NOTE 3 * 1 BULKHEAD FITTING KIT (0-RING TYPE) 170111 * 1 PUSH-IN FITTING (5mm to 1/8"BSPP) 170201SP * 1 AIR LINE (5mm DIA X 6m LONG) 170301SP * 1 SOLENOID VALVE (12V) 180103 * 1 SWITCH FR OR RR LOCKER 180225 * 1 CABLE TIE (PK OF 25) 180305 * 1 OPERATING & SERVICE MANUAL 210200	15	1	SEAL HOUSING KIT	080504SP	
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18 1 PINION THRUST WASHER (PK OF 4) 151101SP 19 4 PINION GEAR SEE NOTE 3 20 1 SPIDER BLOCK 070101 21 1 THRUST BLOCK 110506SP 22 1 SIDE GEAR SEE NOTE 3 * 1 BULKHEAD FITTING KIT (O-RING TYPE) 170111 * 1 PUSH-IN FITTING (5mm to 1/8"BSPP) 170201SP * 1 AIR LINE (5mm DIA X 6m LONG) 170301SP * 1 SOLENOID VALVE (12V) 180103 * 1 SWITCH FR OR RR LOCKER 180225 * 1 CABLE TIE (PK OF 25) 180305 * 1 OPERATING & SERVICE MANUAL 210200	*	1	MASTER SHIM	150320	
19	17	1	SPLINED SIDE GEAR	SEE NOTE	3
20 1 SPIDER BLOCK 070101 21 1 THRUST BLOCK 110506SP 22 1 SIDE GEAR SEE NOTE 3 * 1 BULKHEAD FITTING KIT (0-RING TYPE) 170111 * 1 PUSH-IN FITTING (5mm to 1/8"BSPP) 170201SP * 1 AIR LINE (5mm DIA X 6m LONG) 170301SP * 1 SOLENOID VALVE (12V) 180103 * 1 SWITCH FR OR RR LOCKER 180225 * 1 CABLE TIE (PK OF 25) 180305 * 1 OPERATING & SERVICE MANUAL 210200	18	1	PINION THRUST WASHER (PK OF 4)	151101SP	
21 1 THRUST BLOCK 110506SP 22 1 SIDE GEAR SEE NOTE 3 * 1 BULKHEAD FITTING KIT (O-RING TYPE) 170111 * 1 PUSH-IN FITTING (5mm to 1/8"BSPP) 170201SP * 1 AIR LINE (5mm DIA X 6m LONG) 170301SP * 1 SOLENOID VALVE (12V) 180103 * 1 SWITCH FR OR RR LOCKER 180225 * 1 CABLE TIE (PK OF 25) 180305 * 1 OPERATING & SERVICE MANUAL 210200	19	4	PINION GEAR	SEE NOTE	3
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* 1 SWITCH FR OR RR LOCKER 180225 * 1 CABLE TIE (PK OF 25) 180305 * 1 OPERATING & SERVICE MANUAL 210200	*	1	AIR LINE (5mm DIA X 6m LONG)	170301SP	
* 1 CABLE TIE (PK OF 25) 180305 * 1 OPERATING & SERVICE MANUAL 210200	*	1	SOLENOID VALVE (12V)	180103	
* 1 OPERATING & SERVICE MANUAL 210200	*	1	SWITCH FR OR RR LOCKER	180225	
OPERATING & SERVICE MANUAL 210200	*	1	CABLE TIE (PK OF 25)	180305	
* 1 INSTALLATION GUIDE 210260	*	1	OPERATING & SERVICE MANUAL	210200	
	*	1	INSTALLATION GUIDE	210260	

^{*} Not illustrated in exploded view

NOTES

- 1 For replacement O-rings use only BS030 Viton 75.
- 2 For replacement bearing use Timken part # LM603049 / LM603011.
- 3 Available only as complete 6 gear set # 728B101
- For 2.73:1 ratio refer to RD47 (Section 2.47).



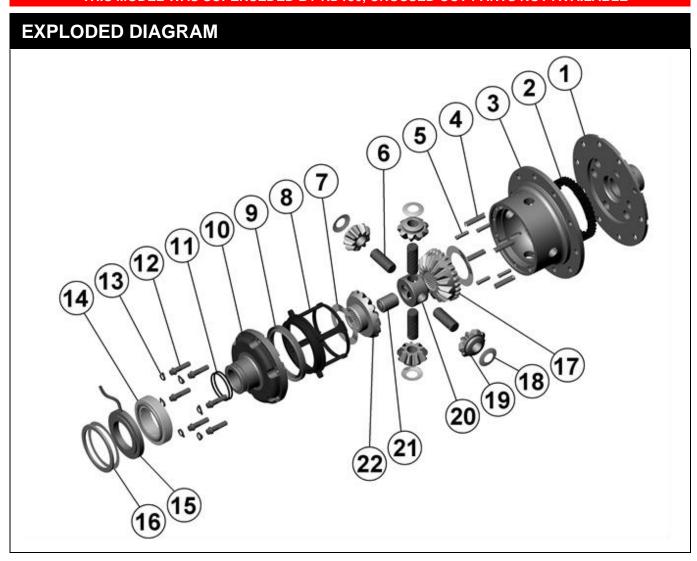




RD60

AMC Model 20,3.07 & UP

**THIS MODEL WAS SUPERSEDED BY RD186, CROSSED OUT PARTS NOT AVAILABLE



SPECIFICATIONS

Axle Spline 29 tooth, Ø31.8mm [1.25"] Ratio Supported 3.07:1 & up

Ring Gear ID 136.6mm [5.38"]
Ring Gear OD 225mm [8.9"]
Ring Gear Bolts 8 bolts on Ø165mm [6.50"]

Ring Gear Torque 88Nm [65 ft-lb]

Backlash 0.15-0.25mm [0.006-0.010"]

Bearing Cap Torque 88Nm [65 ft-lb]