

AIR OPERATED LOCKING DIFFERENTIAL

RD37

Ford 10.25" & 10.5" (Sterling / corporate) **

**THIS MODEL WAS SUPERSEDED BY RD140, CROSSED OUT PARTS NOT AVAILABLE

ITEM#	PARTS L	.IST			
02 1 CLUTCH GEAR 05040+ 03 1 DIFFERENTIAL CASE 014801 04 1 RETURN SPRINGS (PK OF 4) 150101SP 05 1 RETAINING PIN SET (PK OF 4) 120301SP 06 1 LONG CROSS SHAFT 060703 07 2 SHORT CROSS SHAFT 060703 08 1 PISTON 040501SP 09 1 BONDED SEAL 160703SP 10 1 CYLINDER CAP 031002 11 1 SEAL HOUSING O-RINGS (PK OF 2) 160207-2 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 NOT SUPPLIED 2 15 1 SEAL HOUSING KIT 080702SP 16 1 SHIM KIT SHK006 * 1 MASTER SHIM 150336 17 1 SPLINED SIDE GEAR SEE	ITEM #	QTY	DESCRIPTION	PART #	NOTES
03	01	1	FLANGE CAP	021103	
04 1 RETURN SPRINGS (PK OF 4) 150101SP 05 1 RETAINING PIN SET (PK OF 4) 120301SP 06 1 LONG CROSS SHAFT 060703 07 2 SHORT CROSS SHAFT 060802 08 1 PISTON 040501SP 09 1 BONDED SEAL 160703SP 10 1 CYLINDER CAP 034002 11 1 SEAL HOUSING O-RINGS (PK OF 2) 160207-2 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 NOT SUPPLIED 2 15 1 SEAL HOUSING KIT 080702SP 16 1 SHIM KIT SHK006 * 1 MASTER SHIM 150336 17 1 SPLINED SIDE GEAR SEE NOTE 3 18 1 PINION THRUST WASHER (PK OF 4) 151104SP 19 4	02	1	CLUTCH GEAR	050401	
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1	07	2	SHORT CROSS SHAFT	060802	
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* 1 MASTER SHIM 150336 17 1 SPLINED SIDE GEAR SEE NOTE 3 18 1 PINION THRUST WASHER (PK OF 4) 151104SP 19 4 PINION GEAR SEE NOTE 3 20 1 SPIDER BLOCK 070401 21 1 SIDE GEAR SEE NOTE 3 22 1 S GEAR THRUST WASHER (PK OF 2) 151007SP * 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 RR LOCKER 180224 * 1 CABLE TIE (PK OF 25) 180305 * 1 OPERATING & SERVICE MANUAL 210200	15	1	SEAL HOUSING KIT	080702SP	
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18 1 PINION THRUST WASHER (PK OF 4) 151104SP 19 4 PINION GEAR SEE NOTE 3 20 1 SPIDER BLOCK 070404	*	1	MASTER SHIM	150336	
19	17	1	SPLINED SIDE GEAR	SEE NOTE	3
20 1 SPIDER BLOCK 070401 21 1 SIDE GEAR SEE NOTE 3 22 1 S GEAR THRUST WASHER (PK OF 2) 151007SP * 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 RR LOCKER 180224 * 1 CABLE TIE (PK OF 25) 180305 * 1 OPERATING & SERVICE MANUAL 210200	18	1	PINION THRUST WASHER (PK OF 4)	151104SP	
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* 1 SWITCH RR LOCKER 180224 * 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 RR LOCKER	180224	
1 OFERATING & SERVICE MANUAL 210200	*	1	CABLE TIE (PK OF 25)	180305	
* 1 INSTALLATION GUIDE 210237	*	1	OPERATING & SERVICE MANUAL	210200	
	*	1	INSTALLATION GUIDE	210237	

^{*} Not illustrated in exploded view

NOTES

- 1 For replacement O-rings use only BS136 Viton 75.
- 2 For replacement bearing use Timken part # 469 / 453X.
- 3 Available only as complete 6 gear set # 728E031
- Suitable for use with ABS tone ring.
- Ford 10.25" & 10.5" corporate Sterling model can be visually distinguished from a Dana Spicer model by the absence of a filler hole in the OE inspection cover.



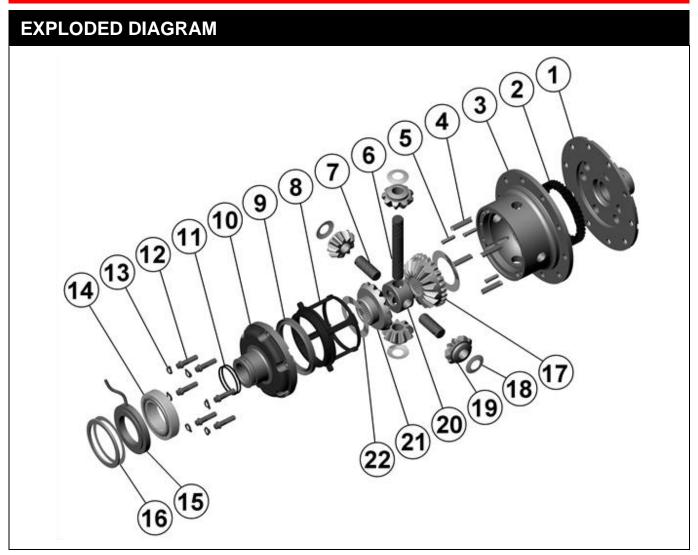


AIR OPERATED LOCKING DIFFERENTIAL

RD37

Ford 10.25" & 10.5" (Sterling / corporate) **

**THIS MODEL WAS SUPERSEDED BY RD140, CROSSED OUT PARTS NOT AVAILABLE



SPECIFICATIONS

Axle Spline 35 tooth, Ø38.1mm [1.50"]

Ratio Supported All

Ring Gear ID 165.1mm [6.50"]

Ring Gear OD 260/268mm [10.25/10.50"] Ring Gear Bolts 12 bolts on Ø192mm [7.56"]

Ring Gear Torque 129Nm [95 ft-lb]

Backlash 0.28-0.41mm [0.011-0.016"]

Bearing Cap Torque 108Nm [80 ft-lb]