

Revised 10-01

Clutches
Catalog PB-88142

\$2.50

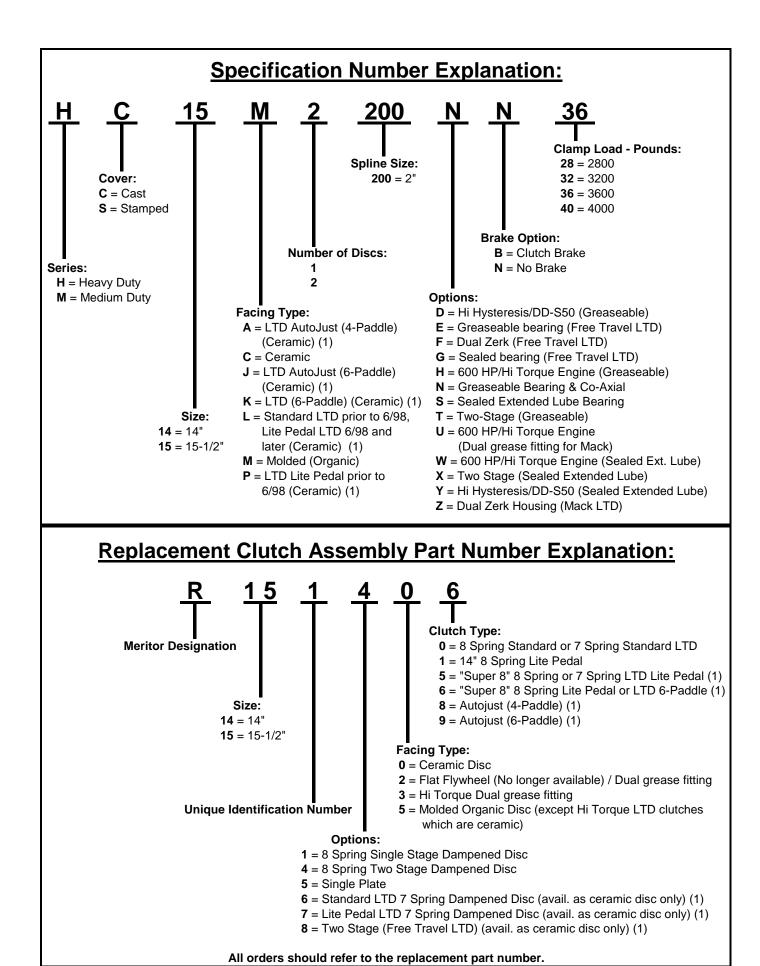


Strength • Power • Speed • Agility

MERITOR PARTS RIGHT FROM THE START

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(1) Requires special flywheel damper opening of 10-1/8"

HOW TO IDENTIFY A MERITOR CLUTCH

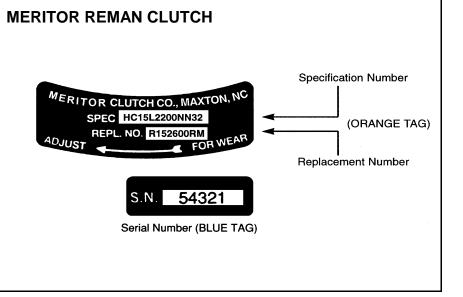
MERITOR NEW CLUTCH

Each Meritor new clutch has identification and serial numbers engraved directly on the clutch. There are three numbers shown that refer to major features of a clutch assembly. A replacement clutch assembly is supplied without a clutch brake or drive pins (14" only). Order these parts in addition to the clutch assembly. See page 15 (14") or page 17 (15-1/2") for component part number information.

Each Meritor reman clutch has an identification tag and a serial number tag. The reman clutch has an **orange** identification tag and **blue** serial number tag. The tags have three numbers. All numbers refer to major features of a clutch assembly. A replacement clutch assembly is supplied without:

- a clutch brake
- drive pins (14" only)

Order these parts in addition to the clutch assembly. See page 15 (14") or page 17 (15-1/2") for component part number information.

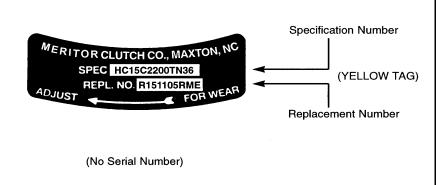


Each Meritor RME clutch has a **yellow** identification tag. The tag has two numbers. All numbers refer to major features of a clutch assembly. A replacement clutch assembly is supplied without:

- a clutch brake
- drive pins (14" only)

Order these parts in addition to the clutch assembly. See page 15 (14") or page 17 (15-1/2") for component part number information.

MERITOR RME CLUTCH



All orders should refer to the **REPLACEMENT PART NUMBER.**

MERITOR CLUTCH APPLICATION GUIDELINES *

1. Choose the correct size clutch:

- 14" or 15-1/2" engine flywheel mounting.
- 14" uses pot style flywheel.
- 15-1/2" uses flat flywheel.

2. Choose the correct torque rated clutch:

 Clutch torque rating must match the peak engine torque rating (some engines can be changed to a higher torque rating).

3. Choose the clutch with friction discs that give sufficient flywheel-to-crankshaft mounting bolt clearance:

- 14" clutches require 7-1/4" flywheel damper openings or larger.
- 15-1/2" Super 8 clutches require 8-5/8" flywheel openings or larger.
- 15-1/2" LTD clutches require 10-1/8" flywheel damper openings. (Organic disc clutches cannot be used with flywheels that have 10-1/8" damper openings.)

4. Options:

- Extended Lube vs. Standard Greaseable
 - Extended lube clutches use sealed release bearing. Clutch is lubricated at 100,000 mile intervals for input shaft.
 - Standard greaseable clutches use greaseable release bearing and must be greased at 15,000 mile intervals.
- Manual vs. AutoJust
- 4 Paddle vs. 6 Paddle
- Single Stage vs. Two Stage (Free Travel)

^{*}NOTE: Meritor clutches do not fit Mack E-9 and EM-9 Series V-8 engines because of insufficient clearance between the flywheel-to-crankshaft mounting bolts.

CLUTCH OPTIONS

The Meritor Clutch provides you with several options: DAMPENED SINGLE, TWO-STAGE DISC OR LTD™?

Meritor recommends the use of dampened disc clutches for all Class 8 and some Class 7 vehicles today. The dampening system built into Meritor clutches is state-of-the-art. By using primary and secondary dampening, Meritor provides longer life for all drivetrain components (transmission, drivelines and rear axles). This dampening system is designed to last the life of the clutch. Meritor uses two discs for all heavy duty clutches.

Meritor offers three disc assembly choices. These are all available exclusively as Lite Pedal clutches.

- 1. **Single Stage -** The single stage disc assemblies provide uniform linear co-axial spring compression which is suitable for the majority of applications. Available only in 14" new and reman clutches.
- 2. **Two-Stage (Free Travel) -** The two-stage free travel disc assemblies are for use in controlling transmission neutral idle rattle noise. This is accomplished by allowing the disc hub to rotate 1-1/2° before engaging and compressing the co-axial torsion springs. This is now standard for new 15-1/2" Super 8 and optional in 14" clutches and 15-1/2" LTD clutches.
- 3. LTD (15-1/2" Ceramic only) The Long Travel Damper (LTD™) disc assemblies are for use in reducing damaging torsional vibrations caused by some of today's high torque, low RPM engines. This is accomplished by using longer torsion springs with a softer spring rate to dampen the torsional torque spikes. There are seven of these co-axial torsion springs located on a larger disc hub diameter. The LTD clutch discs come in both low and high hysteresis. Hysteresis is the internal friction in the disc assembly that acts as a dampener to keep the disc from over rotating during the return stroke. It is similar to the function of a car's shock absorber that keeps the car from bouncing after hitting a bump. The high hysteresis is controlled by the addition of internal friction components in the clutch disc. The high hysteresis is needed for engines which exhibit high levels of torsional vibrations which could cause driveline damage.
- 4. 6 Paddle option available in LTD.
- 5. AutoJust™ option available in LTD.

FACING

Meritor currently offers the following friction disc.

Ceramic - This facing is generally recommended for heavy duty applications. The strong gripping characteristics suit them for use with high torque engines. They also have a longer life than organic and will not fade at high temperatures.

THE MERITOR CLUTCH

The Meritor clutch is a cast, two plate, diaphragm spring, pull type clutch that fits most engine/transmission combinations in North America. Clutches are available in both 14" and 15-1/2" sizes with 2" splines, featuring ceramic facing. Other options include:

- · Greaseable or sealed release bearings
- Manual or AutoJust™
- 2800 lb., 3200 lb., 3600 lb. and 4000 lb. diaphragm springs available in various torque ratings.
- Two-stage dampened hub, standard dampened hub or LTD hub
- A tested torque limiting clutch brake designed to extend input shaft and gear life without adversely affecting other components.

In addition to offering the industry a true choice in clutches, the Meritor clutch highlights the following:

Feature	Benefit
Extended lube sealed bearing (optional)	 Improved sealed bearing. Lubrication of input shaft/sleeve only required every 100,000 miles.
Smooth, uniform engagement; Reduced internal friction; Improved cooling	Longer overall clutch life
Low pedal resistance	 New Lite Pedal[™] design improves driver comfort
Improved dampening system	Lengthened drivetrain life
Computer Finite Analysis Design	 A stronger, more durable product that weighs less and operates cooler than the competitor
Two Stage dampened hub	Eliminates gear rattle in the transmission when the vehicle is idling in neutral
LTD™	 Reduces damaging torsional vibrations common In low RPM high torque engines
AutoJust™	Eliminates need for periodic wear adjustments

LITE PEDAL™ CLUTCH

The high-tech Lite Pedal clutch requires minimal pedal effort, thus reducing strain on the driver. It also incorporates Meritor's advanced LTD clutch disc design which is engineered to perform with today's high torque/low RPM diesel engines. The Lite Pedal design is now standard, on all new 15-1/2" Super 8 and 14" models.

LITE PEDAL ADDED ADVANTAGES

- Low pedal effort and smooth engagement and release
- Extended lube (optional) release bearing for reduced maintenance
- Fifth rivet alleviates clutch drag and noise
- Large windows increase heat dissipation
- Unique guide pin design reduces backlash
- Available in a full range of torque capacities up to 2050 ft-lb for use in low, medium and high horsepower ranges
- Provides a long life of dependable clutch operation while contributing to the overall longevity of the entire vehicle drivetrain

AUTOJUST™ SELF-ADJUSTING CLUTCH

The AutoJust clutch is a self-adjusting clutch that eliminates the need for periodic wear adjustments. This innovative product continually adjusts itself, significantly reducing total clutch maintenance costs and provides users the comfort of knowing their clutch is properly adjusted throughout its life.

AUTOJUST ADDED ADVANTAGES

- Utilizes Meritor's Lite Pedal technology to reduce pedal effort for maximum driver comfort.
- Continually maintains proper clutch adjustment for maximum clutch component life and optimum performance.
- Reduced truck downtime and maintenance costs related to clutch adjustments.
- Visible clutch wear indicators for simplified clutch life monitoring.
- Available in a full range of torque capabilities, including the new 2050 ft-lb rating for use with today's 600 hp engines.
- Available with an optional extended-lube release bearing with 100,000 mile grease intervals.

CLUTCH ASSEMBLY WEIGHT

CLUTCH ASSEMBLY	CERAMIC	ORGANIC
14" Meritor (single & 2 stage)	104 lbs.	102 lbs.
15-1/2" Meritor -		
Super 8 (single & 2 stage)	133 lbs.	130 lbs.
LTD	136 lbs.	N/A

WEIGHT BY ENGINE TYPE

	Detroit	Detroit				
CERAMIC CLUTCH	Diesel	Diesel	Cummins	CAT	Cummins	CAT
WITH FLYWHEEL	S50	S60	N14	3406	L10	3176
14" Meritor	-	251	202	240	190	222
15-1/2" Meritor (Super 8)	-	232	224	242	200	209
15-1/2" Meritor (LTD)	204	228	221	244 *	203 *	212
Weight Dif. 15-1/2" (S8) vs 14"	-	-19	+22	+2	+10	-13
Weight Dif. 15-1/2" (LTD) vs 14"	-	-23	+19	+4	+13	-10
14" Spicer	-	253	204	242	192	224
15-1/2" Spicer (10 Spring)	-	247	239	257	216	224
Weight Dif. 15-1/2" vs 14"	-	-6	+35	+15	+24	0

^{*} Requires LTD Flywheel (10-1/8" opening)

MERITOR CLUTCH WARRANTY **

Warranty on Original Production Clutch	• 3 years / 300,000 miles
Warranty on Service Clutch	• 2 years / Unlimited miles
Warranty on Reman Clutch (RM) (New center plate)	• 1 year / Unlimited miles
Warranty on Reman Clutch (RME) (Reground center plate)	• 1 year / Unlimited miles

^{**} Parts only

15-1/2" LTD CLUTCHES - 4 PADDLE AUTOJUST (1) (2)

MERITOR PART NUMBER	MERITOR SPECIFICATION NUMBER	MAXIMUM TORQUE APPLIC.	SPLINE HUB SIZE	PRESSURE PLATE LOAD	TYPE OF DISC	TYPE OF BEARING
R150708	HC15A2200NN28	1150	2"-10	2800	DCF	Greaseable
R151708	HC15A2200NN32	1450	2"-10	3200	DCF	Greaseable
R151728	HC15A2200ZN32	1450	2"-10	3200	DCF	Greaseable (3)
R152708	HC15A2200NN36	1700	2"-10	3600	DCF	Greaseable
R152728	HC15A2200ZN36	1700	2"-10	3600	DCF	Greaseable (3)
R153708	HC15A2200NN40	1860	2"-10	4000	DCF	Greaseable
R153728	HC15A2200ZN40	1860	2"-10	4000	DCF	Greaseable (3)
R153738	HC15A2200UN40	2050	2"-10	4000	DCF	Greaseable (3)
R153758	HC15A2200HN40	2050	2"-10	4000	DCF	Greaseable
R154708	HC15A2200SN28	1150	2"-10	2800	DCF	Sealed (5)
R155708	HC15A2200SN32	1450	2"-10	3200	DCF	Sealed (5)
R156708	HC15A2200SN36	1700	2"-10	3600	DCF	Sealed (5)
R157708	HC15A2200SN40	1860	2"-10	4000	DCF	Sealed (5)
R157758	HC15A2200WN40	2050	2"-10	4000	DCF	Sealed (5)
R158708 (6)	HC15A2200DN28	1150	2"-10	2800	DCF	Greaseable
R159708 (6)	HC15A2200YN28	1150	2"-10	2800	DCF	Sealed (5)

15-1/2" LTD CLUTCHES - 4 PADDLE MANUAL ADJUST (1) (2)

	MERITOR	MAXIMUM				
MERITOR PART	SPECIFICATION	TORQUE	SPLINE HUB	PRESSURE		TYPE OF
NUMBER	NUMBER	APPLIC.	SIZE	PLATE LOAD	TYPE OF DISC	BEARING
	HC15P2200NN28,					
R150705 (4)	HC15L2200NN28	1150	2"-10	2800	DCF	Greaseable
	HC15L2200NN32,					
R151705	HC15P2200NN32	1450	2"-10	3200	DCF	Greaseable
R151725	HC15L2200ZN32	1450	2"-10	3200	DCF	Greaseable (3)
	HC15P2200NN36,					
R152705	HC15L2200NN36	1700	2"-10	3600	DCF	Greaseable
R152725	HC15L2200ZN36	1700	2"-10	3600	DCF	Greaseable (3)
	HC15P2200NN40,					
R153705	HC15L2200NN40	1860	2"-10	4000	DCF	Greaseable
R153725	HC15L2200ZN40	1860	2"-10	4000	DCF	Greaseable (3)
R153735	HC15L2200UN40	2050	2"-10	4000	DCF	Greaseable (3)
	HC15L2200HN40,					
R153755	HC15P2200HN40	2050	2"-10	4000	DCF	Greaseable
	HC15L2200SN28,					
R154705 (4)	HC15P2200SN28	1150	2"-10	2800	DCF	Sealed (5)
	HC15L2200SN32,					
R155705	HC15P2200SN32	1450	2"-10	3200	DCF	Sealed (5)
	HC15L2200SN36,					
R156705	HC15P2200SN36	1700	2"-10	3600	DCF	Sealed (5)
	HC15P2200SN40,					· · · · · · · · · · · · · · · · · · ·
R157705	HC15L2200SN40	1860	2"-10	4000	DCF	Sealed (5)

 $^{(1) \} LTD \ clutch \ has \ 7 \ co-axial \ springs \ and \ requires \ 15-1/2" \ flywheels \ with \ a \ large \ diameter \ opening \ of \ 10-1/8".$

⁽²⁾ All clutches are Lite Pedal design except remans.

⁽³⁾ Dual zerk fitting on release bearing.

⁽⁴⁾ Detroit Diesel Series 50 engines. Can use drivline ring mass dampener.

⁽⁵⁾ These sealed bearings have the Extended Lube feature which allows bearing housing to be greased only every 100,000 miles for input shaft/clutch sleeve interface.

⁽⁶⁾ Detroit Diesel Series 50 engines. DO NOT use driveline ring mass dampener.

DCF - Compatible with Dampened Hub, Ceramic Design

15-1/2" LTD CLUTCHES - 4 PADDLE MANUAL ADJUST (cont) (1) (2)

MERITOR PART NUMBER	MERITOR SPECIFICATION NUMBER	MAXIMUM TORQUE APPLIC.	SPLINE HUB SIZE	PRESSURE PLATE LOAD	TYPE OF DISC	TYPE OF BEARING
	HC15P2200WN40,					
R157755	HC15L2200WN40	2050	2"-10	4000	DCF	Sealed (5)
	HC15P2200DN28,					
R158705 (6)	HC15L2200DN28	1150	2"-10	2800	DCF	Greaseable
	HC15P2200YN28,					
R159705 (6)	HC15L2200YN28	1150	2"-10	2800	DCF	Sealed (5)

15-1/2" LTD CLUTCHES - 6 PADDLE AUTOJUST (1) (2)

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MERITOR PART	MERITOR SPECIFICATION	MAXIMUM TORQUE	SPLINE HUB	PRESSURE		TYPE OF
NUMBER	NUMBER	APPLIC.	SIZE	PLATE LOAD	TYPE OF DISC	BEARING
R150709	HC15J2200NN28	1150	2"-10	2800	DCF	Greaseable
R151709	HC15J2200NN32	1450	2"-10	3200	DCF	Greaseable
R151729	HC15J2200ZN32	1450	2"-10	3200	DCF	Greaseable (3)
R152709	HC15J2200NN36	1700	2"-10	3600	DCF	Greaseable
R152729	HC15J2200ZN36	1700	2"-10	3600	DCF	Greaseable (3)
R153709	HC15J2200NN40	1860	2"-10	4000	DCF	Greaseable
R153729	HC15J2200ZN40	1860	2"-10	4000	DCF	Greaseable (3)
R153739	HC15J2200UN40	2050	2"-10	4000	DCF	Greaseable (3)
R153759	HC15J2200HN40	2050	2"-10	4000	DCF	Greaseable
R154709	HC15J2200SN28	1150	2"-10	2800	DCF	Sealed (5)
R155709	HC15J2200SN32	1450	2"-10	3200	DCF	Sealed (5)
R156709	HC15J2200SN36	1700	2"-10	3600	DCF	Sealed (5)
R157709	HC15J2200SN40	1860	2"-10	4000	DCF	Sealed (5)
R157759	HC15J2200WN40	2050	2"-10	4000	DCF	Sealed (5)

15-1/2" LTD CLUTCHES - 6 PADDLE MANUAL ADJUST (1) (2)

MERITOR PART NUMBER	MERITOR SPECIFICATION NUMBER	MAXIMUM TORQUE APPLIC.	SPLINE HUB SIZE	PRESSURE PLATE LOAD	TYPE OF DISC	TYPE OF BEARING
R150706	HC15K2200NN28	1150	2"-10	2800	DCF	Greaseable
R151706	HC15K2200NN32	1450	2"-10	3200	DCF	Greaseable
R151726	HC15K2200ZN32	1450	2"-10	3200	DCF	Greaseable (3)
R152706	HC15K2200NN36	1700	2"-10	3600	DCF	Greaseable
R152726	HC15K2200ZN36	1700	2"-10	3600	DCF	Greaseable (3)
R153706	HC15K2200NN40	1860	2"-10	4000	DCF	Greaseable
R153726	HC15K2200ZN40	1860	2"-10	4000	DCF	Greaseable (3)
R153736	HC15K2200UN40	2050	2"-10	4000	DCF	Greaseable (3)
R153756	HC15K2200HN40	2050	2"-10	4000	DCF	Greaseable
R154706	HC15K2200SN28	1150	2"-10	2800	DCF	Sealed (5)
R155706	HC15K2200SN32	1450	2"-10	3200	DCF	Sealed (5)
R156706	HC15K2200SN36	1700	2"-10	3600	DCF	Sealed (5)
R157706	HC15K2200SN40	1860	2"-10	4000	DCF	Sealed (5)
R157756	HC15K2200WN40	2050	2"-10	4000	DCF	Sealed (5)

⁽¹⁾ LTD clutch has 7 co-axial springs and requires 15-1/2" flywheels with a large diameter opening of 10-1/8".

⁽²⁾ All clutches are Lite Pedal design except remans.

⁽³⁾ Dual zerk fitting on release bearing.

⁽⁵⁾ These sealed bearings have the Extended Lube feature which allows bearing housing to be greased only every 100,000 miles for input shaft/clutch sleeve interface.

⁽⁶⁾ Detroit Diesel Series 50 engines. DO NOT use driveline ring mass dampener.

DCF - Compatible with Dampened Hub, Ceramic Design

15-1/2" CLUTCHES - LTD FREE TRAVEL (2 STAGE) MANUAL ADJUST (1) (2)

MERITOR PART NUMBER	MERITOR SPECIFICATION NUMBER	MAXIMUM TORQUE APPLIC.	SPLINE HUB SIZE	PRESSURE PLATE LOAD	TYPE OF DISC	TYPE OF BEARING
R150805 (7)	HC15L2200EN28	1150	2"-10	2800	DCF	Greasable
R150825 (7)	HC15L2200FN28	1150	2"-10	2800	DCF	Greaseable (3)
R151805 (7)	HC15L2200EN32	1450	2"-10	3200	DCF	Greaseable
R151825 (7)	HC15L2200FN32	1450	2"-10	3200	DCF	Greaseable (3)
R152805 (7)	HC15L2200EN36	1700	2"-10	3600	DCF	Greaseable
R152825 (7)	HC15L2200FN36	1700	2"-10	3600	DCF	Greaseable (3)
R154805 (7)	HC15L2200GN28	1150	2"-10	2800	DCF	Sealed (5)
R155805 (7)	HC15L2200GN32	1450	2"-10	3200	DCF	Sealed (5)
R156805 (7)	HC15L2200GN36	1700	2"-10	3600	DCF	Sealed (5)

15-1/2" CLUTCHES - LTD FREE TRAVEL (2 STAGE) AUTOJUST (1) (2)

MERITOR PART NUMBER	MERITOR SPECIFICATION NUMBER	MAXIMUM TORQUE APPLIC.	SPLINE HUB SIZE	PRESSURE PLATE LOAD	TYPE OF DISC	TYPE OF BEARING
R150808 (7)	HC15A2200EN28	1150	2"-10	2800	DCF	Greasable
R151808 (7)	HC15A2200EN32	1450	2"-10	3200	DCF	Greasable
R152808 (7)	HC15A2200EN36	1700	2"-10	3600	DCF	Greasable
R150828 (7)	HC15A2200FN28	1150	2"-10	2800	DCF	Greaseable (3)
R151828 (7)	HC15A2200FN32	1450	2"-10	3200	DCF	Greaseable (3)
R152828 (7)	HC15A2200FN36	1700	2"-10	3600	DCF	Greaseable (3)
R154808 (7)	HC15A2200GN28	1150	2"-10	2800	DCF	Sealed (5)
R155808 (7)	HC15A2200GN32	1450	2"-10	3200	DCF	Sealed (5)
R156808 (7)	HC15A2200GN36	1700	2"-10	3600	DCF	Sealed (5)

15-1/2" LTD CLUTCHES - REMAN (1)

MERITOR PART NUMBER	MERITOR SPECIFICATION NUMBER	MAXIMUM TORQUE APPLIC.	SPLINE HUB SIZE	PRESSURE PLATE LOAD	TYPE OF DISC	TYPE OF BEARING
R151650RM	-	1860	2"-10	4000	DCF	Greaseable
R152600RM	-	1450	2"-10	3200	DCF	Greaseable
R153600RM	-	1700	2"-10	3600	DCF	Greaseable
R154600RM (4)	-	1150	2"-10	2800	DCF	Greaseable
R155600RM	-	1450	2"-10	3200	DCF	Greaseable (3)
R156600RM	-	1700	2"-10	3600	DCF	Greaseable (3)

⁽¹⁾ LTD clutch has 7 co-axial springs and requires 15-1/2" flywheels with a large diameter opening of 10-1/8".

⁽²⁾ All clutches are Lite Pedal design except remans.

⁽³⁾ Dual zerk fitting on release bearing.

⁽⁴⁾ Detroit Diesel Series 50 engines. Can use drivline ring mass dampener.

⁽⁵⁾ These sealed bearings have the Extended Lube feature which allows bearing housing to be greased only every 100,000 miles for input shaft/clutch sleeve interface.

⁽⁷⁾ Two Stage clutch assembly.

DCF - Compatible with Dampened Hub, Ceramic Design

15-1/2" CLUTCHES - SUPER 8 NEW (2) (9) (10)

	MERITOR	MAXIMUM				
MERITOR PART	SPECIFICATION	TORQUE	SPLINE HUB	PRESSURE		TYPE OF
NUMBER	NUMBER	APPLIC.	SIZE	PLATE LOAD	TYPE OF DISC	BEARING
R151406 (7)	HC15C2200TN36	1730	2"-10	3600	DCF	Greaseable

15-1/2" CLUTCHES - SUPER 8 REMAN (9) (10)

	MERITOR	MAXIMUM				
MERITOR PART	SPECIFICATION	TORQUE	SPLINE HUB	PRESSURE		TYPE OF
NUMBER	NUMBER	APPLIC.	SIZE	PLATE LOAD	TYPE OF DISC	BEARING
R151405RM (7)	-	1730	2"-10	3600	DCF	Greaseable

15-1/2" CLUTCHES - SUPER 8 RME (9) (10) (11)

MERITOR PART NUMBER	MERITOR SPECIFICATION NUMBER	MAXIMUM TORQUE APPLIC.	SPLINE HUB SIZE	PRESSURE PLATE LOAD	TYPE OF DISC	TYPE OF BEARING
R150105RME (8)	-	1490	2"-10	3200	DCF	Greaseable
R151105RME (8)	=	1730	2"-10	3600	DCF	Greaseable

14" CLUTCHES - NEW (2) (10) (12)

MERITOR	MERITOR	MAXIMUM	SPLINE	PRESSURE	TYPE	TYPE
PART	SPECIFICATION	TORQUE	HUB	PLATE	OF	OF
NUMBER	NUMBER	APPLIC.	SIZE	LOAD	DISC	BEARING
R140401 (7)	HC14C2200TN32	1400	2"-10	3200	DCF	Greaseable
R141101 (8)	HC14C2200NN32	1400	2"-10	3200	DCF	Greaseable

14" CLUTCHES - REMAN (10) (12)

MERITOR	MERITOR	MAXIMUM	SPLINE	PRESSURE	TYPE	TYPE
PART	SPECIFICATION	TORQUE	HUB	PLATE	OF	OF
NUMBER	NUMBER	APPLIC.	SIZE	LOAD	DISC	BEARING
R140400RM (7)	-	1400	2"-10	3200	DCF	Greaseable
R141100RM (8)	-	1400	2"-10	3200	DCF	Greaseable

14" CLUTCHES - RME (10) (11) (12)

MERITOR	MERITOR	MAXIMUM	SPLINE	PRESSURE	TYPE	TYPE
PART	SPECIFICATION	TORQUE	HUB	PLATE	OF	OF
NUMBER	NUMBER	APPLIC.	SIZE	LOAD	DISC	BEARING
R141100RME (8)	-	1400	2"-10	3200	DCF	Greaseable

⁽²⁾ All clutches are Lite Pedal design except remans.

⁽⁷⁾ Two Stage clutch assembly.

⁽⁸⁾ Single Stage clutch assembly.

⁽⁹⁾ Super 8 dampened clutches have 8 co-axial springs and require 15-1/2" flywheels with a minumum 8-5/8" damper opening.

⁽¹⁰⁾ Sealed bearings are no longer available for 14" or 15-1/2" Super 8 clutches.

⁽¹¹⁾ Reman clutch with reground center plate.

^{(12) 14&}quot; Clutches have 8 co-axial springs and require 14" flywheels with at least a 7-1/4" damper opening.

DCF - Compatible with Dampened Hub, Ceramic Design

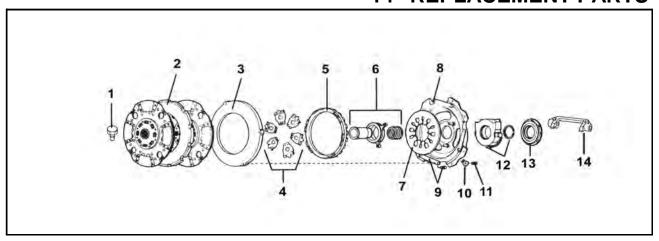
COMPLETE CLUTCH ASSEMBLIES AND COMPONENTS

		UTCH ASS		1	
COMPLETE ASSEMBLY NUMBER	REAR DISC (PRESSURE PLATE SIDE)	FRONT DISC (FLYWHEEL SIDE)	CENTER (INTERMEDIATE) PLATE	COVER ASSEMBLY	SERVICE BEARING HOUSING KIT
R140401	R160146	R160147	R160007	R160194	R160010
R141101	R160126	R160127	R160007	R160194	R160010
R150705	R160150	R160150	R160200	R160179	R160010
R150706	R160204	R160204	R160200	R160179	R160010
R150708	R160213	R160213	R160200	R160207	R160010
130700					
R150709	R160204	R160204	R160200	R160207	R160010
R150805	R160211	R160211	R160200	R160179	R160010
R150808	R160211	R160211	R160200	R160207	R160010
R150825	R160211	R160211	R160200	R160196	R160154
R150828	R160211	R160211	R160200	R160219	R160154
R151406	R160142	R160143	R160200	R160183	R160010
R151705	R160152	R160152	R160200	R160179	R160010
R151706	R160204	R160204	R160200	R160179	R160010
R151708	R160213	R160213	R160200	R160207	R160010
R151709	R160204	R160204	R160200	R160207	R160010
R151725	R160152	R160152	R160200	R160196	R160154
R151726	R160204	R160204	R160200	R160196	R160154
R151728	R160213	R160213	R160200	R160219	R160154
R151729	R160204	R160204	R160200	R160219	R160154
R151805	R160211	R160211	R160200	R160179	R160010
R151808	R160211	R160211	R160200	R160207	R160010
R151825	R160211	R160211	R160200	R160196	R160154
R151828	R160211	R160211	R160200	R160219	R160154
R152705	R160152	R160152	R160200	R160183	R160010
R152706	R160204	R160204	R160200	R160183	R160010
	R160213	R160213	R160200	R160208	R160010
R152708	R160204	R160204	R160200	R160208	R160010
R152709	R160152	R160152	R160200	R160199	R160154
R152725	R160204	R160204	R160200	R160199	R160154
R152726	R160213	R160213	R160200	R160216	R160154
R152728	11100210	11100210	11100200	11100210	11100101
R152729	R160204	R160204	R160200	R160216	R160154
R152805	R160212	R160212	R160200	R160183	R160010
R152808	R160212	R160212	R160200	R160208	R160010
R152825	R160212	R160212	R160200	R160199	R160154
R152828	R160212	R160212	R160200	R160216	R160154
R153705	R160165	R160165	R160200	R160183	R160010
R153706	R160205	R160205	R160200	R160183	R160010
R153708	R160214	R160214	R160200	R160208	R160010
R153709	R160205	R160205	R160200	R160208	R160010
R153725	R160214	R160214	R160200	R160199	R160154

COMPLETE CLUTCH ASSEMBLIES AND COMPONENTS

COMPLETE ASSEMBLY NUMBER	REAR DISC (PRESSURE PLATE SIDE)	FRONT DISC (FLYWHEEL SIDE)	CENTER (INTERMEDIATE) PLATE	COVER ASSEMBLY	SERVICE BEARING HOUSING KIT
R153726	R160205	R160205	R160200	R160199	R160154
R153728	R160214	R160214	R160200	R160216	R160154
R153729	R160205	R160205	R160200	R160216	R160154
R153735	R160215	R160215	R160200	R160199	R160154
R153736	R160206	R160206	R160200	R160199	R160154
R153738	R160215	R160215	R160200	R160216	R160154
R153739	R160206	R160206	R160200	R160216	R160154
R153755	R160191	R160191	R160200	R160183	R160010
R153756	R160206	R160206	R160200	R160183	R160010
R153758	R160215	R160215	R160200	R160208	R160010
R153759	R160206	R160206	R160200	R160208	R160010
R154705	R160150	R160150	R160200	R160182	R160187
R154706	R160204	R160204	R160200	R160182	R160187
R154708	R160213	R160213	R160200	R160209	R160187
R154709	R160204	R160204	R160200	R160209	R160187
R154805	R160211	R160211	R160200	R160182	R160187
R154808	R160211	R160211	R160200	R160209	R160187
R155705	R160152	R160152	R160200	R160182	R160187
R155706	R160204	R160204	R160200	R160182	R160187
R155708	R160213	R160213	R160200	R160209	R160187
R155709	R160204	R160204	R160200	R160209	R160187
R155805	R160211	R160211	R160200	R160182	R160187
R155808	R160211	R160211	R160200	R160209	R160187
R156705	R160152	R160152	R160200	R160184	R160187
R156706	R160204	R160204	R160200	R160184	R160187
R156708	R160213	R160213	R160200	R160210	R160187
R156709	R160204	R160204	R160200	R160210	R160187
R156805	R160212	R160212	R160200	R160184	R160187
R156808	R160212	R160212	R160200	R160210	R160187
R157705	R160165	R160165	R160200	R160184	R160187
R157706	R160205	R160205	R160200	R160184	R160187
R157708	R160214	R160214	R160200	R160210	R160187
R157709	R160205	R160205	R160200	R160210	R160187
R157755	R160191	R160191	R160200	R160184	R160187
R157756	R160206	R160206	R160200	R160184	R160187
R157758	R160215	R160215	R160200	R160210	R160187
R157759	R160206	R160206	R160200	R160210	R160187
R158705	R160153	R160153	R160200	R160179	R160010
R158708	R160153	R160153	R160200	R160207	R160010
R159705	R160153	R160153	R160200	R160182	R160187
R159708	R160153	R160153	R160200	R160209	R160187

14" REPLACEMENT PARTS



		REPLACEMENT	PKG.
ITEM	DESCRIPTION	PART NO.	QTY.
1	Drive Pins	R160008 (1)	1
2	Intermediate Plate (DCF)	R160007	1
	Intermediate Plate (DOF)	R160006	1
3	Pressure Plate	NSS	-
4	Levers	NSS	-
5	Adjusting Ring	NSS	-
6	Retainer Assembly	NSS	
7	Diaphragm Spring	NSS	-
8	Cover Housing	NSS	-
9	Drive Strap, Bolts & Washers	R160013	4
10	Lock Plate	R160040 (2)	1
		R160174 (3)	1
11	Bolt & Washer	R160041	1
10, 11	Lock Plate/Bolt & Washer Kit	R160185 (2)	1
		R160186 (3)	1
12	Release Bearing & Snap Ring		
	- Greaseable (with Brake)	R160010	1
	- Sealed (without Brake)	No Longer Available	1
13	Clutch Brake (2")	R160012 (1)	1
	Clutch Brake (1-3/4")	R160011 (4)	1
14	Release Fork	R160193 (1)	1

Complete Cover Assembly (5)

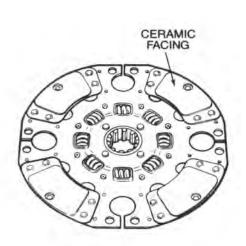
		REPLACEMENT	PKG.
ITEM	DESCRIPTION	PART NO.	QTY.
3-12	3200 lb., Greaseable Bearing (2" Spline)		
	For organic or ceramic disc facing.	R160194	1

- (1) Clutch Brake, Drive Pins and Release Fork not included in Service Clutch Assembly. Must be purchased separately.
- (2) Old style is 30mm wide. Not interchangeable with new style.
- (3) New style is 21mm wide. Not interchangeable with old style.
- (4) For service only. 1-3/4" production clutch is no longer available.
- (5) Lite Pedal design.

NSS - Not sold separately. Must purchase complete cover assembly.

DCF - Compatible with Dampened Hub, Ceramic Facing

14" FRICTION DISCS



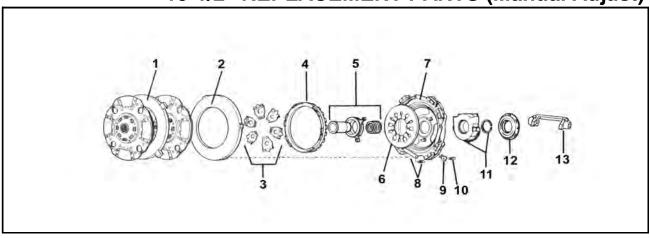
Dampened Hub with Ceramic Facing

FRICTION DISC PART NUMBER	DISC LOCATION (2)	FACING TYPE	CLAMP LOAD	TORQUE (ftlb.) APPLICATION	SPLINE SIZE
R160126	Rear	Ceramic	3200	1400	2"
R160127	Front	Ceramic	3200	1400	2"
R160146 (1)	Rear	Ceramic	3200	1400	2"
R160147 (1)	Front	Ceramic	3200	1400	2"

⁽¹⁾ Two Stage discs.

⁽²⁾ Front discs are installed in front of the flywheel. Rear discs are installed in front of the pressure plate.

15-1/2" REPLACEMENT PARTS (Manual Adjust)



		REPLACEMENT	PKG.
ITEM	DESCRIPTION	PART NO.	QTY.
1	Intermediate Plate (DCF)	R160200	1
	Intermediate Plate (DOF)	R160005	1
2	Pressure Plate	NSS	-
3	Levers	NSS	-
4	Adjusting Ring	NSS	-
5	Retainer Assembly	NSS	-
6	Diaphragm Spring	NSS	-
7	Cover Housing	NSS	-
8	Drive Strap, Bolts & Washers	R160013	4
9	Lock Plate	R160040 (1)	1
		R160174 (2)	1
10	Bolt & Washer	R160041	1
9, 10	Lock Plate/Bolt & Washer Kit	R160185 (1)	1
		R160186 (2)	1
11	Release Bearing & Snap Ring		
	- Greaseable (with Brake and Dual Zerk)	R160154	1
	- Greaseable (with Brake)	R160010	1
	- Sealed (without Brake) for LTD Lite Pedal	R160187 (5)	1
12	Clutch Brake (2")	R160012 (3)	1
	Clutch Brake (1-3/4")	R160011 (4)	1
13	Release Fork	R160193 (3)	1

⁽¹⁾ Old style is 30mm wide. Not interchangeable with new style.

⁽²⁾ New style is 21mm wide. Not interchangeable with old style.

⁽³⁾ Clutch Brake and Release Fork not included in Service Clutch Assembly. Must be purchased separately.

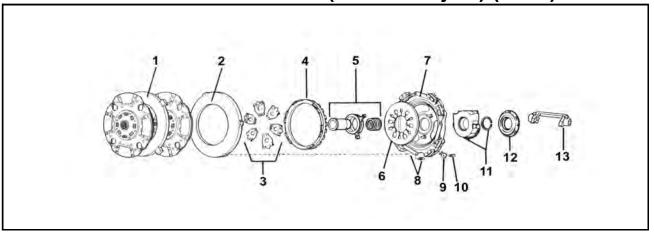
⁽⁴⁾ For service only. 1-3/4" production clutch is no longer available.

⁽⁵⁾ These sealed bearings have the Extended Lube feature which allows bearing housing to be greased only every 100,000 miles for input shaft/clutch sleeve interface.

NSS - Not sold separately. Must purchase complete cover assembly.

DCF - Compatible with Dampened Hub, Ceramic Facing

15-1/2" REPLACEMENT PARTS (Manual Adjust) (cont.)



Complete Cover Assembly (6)

		REPLACEMENT	PKG.
ITEM	DESCRIPTION	PART NO.	QTY.
2-11	2800-3200 lb., Extended Lube Sealed Bearing (2" Spline)	R160182 (7) (8)	1
	2800-3200 lb., Greaseable Bearing (2" Spline)	R160179 (8)	1
	3200-3600 lb., Greaseable Bearing (2" Spline)	R160196 (9) (8)	1
	3600 lb., Greaseable Bearing (2" Spline)	R160197 (10)	1
	3600-4000 lb., Extended Lube Sealed Bearing (2" Spline)	R160184 (7) (8)	1
	3600-4000 lb., Greaseable Bearing (2" Spline)	R160183 (8)	1

⁽⁶⁾ Lite Pedal design.

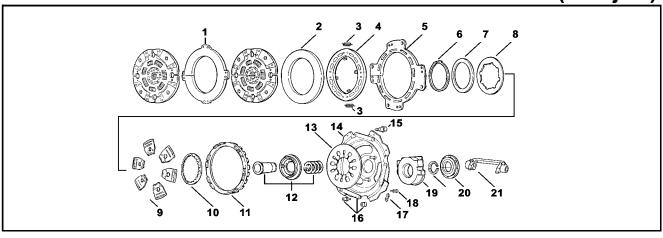
⁽⁷⁾ These sealed bearings have the Extended Lube feature which allows bearing housing to be greased only every 100,000 miles for input shaft/clutch sleeve interface.

⁽⁸⁾ Use of organic disc facings will lead to clutch release problems.

⁽⁹⁾ Dual zerk fitting on release bearing.

⁽¹⁰⁾ Do not use with LTD discs. Use with organic facing discs.

15-1/2" REPLACEMENT PARTS (Autojust)



		REPLACEMENT	PKG.				
ITEM	DESCRIPTION	PART NO.	QTY.				
1	Intermediate Plate (DCF)	R160200	1				
2	Pressure Plate	NSS	-				
3	Support Plate Assembly	NSS	-				
4	Adjusting Spring	R160200 NSS NSS NSS NSS NSS NSS NSS					
5	Fulcrum Ring	NSS	-				
6	Locking Ring	NSS	-				
7	Support Plate	NSS	-				
8	Release Lever Plate	NSS	-				
9	Levers	NSS	-				
10	Lite Pedal Cone Spring	NSS	-				
11	Adjusting Ring	NSS	-				
12	Retainer Assembly	NSS	-				
13	Diaphragm Spring						
14	Cover Housing	NSS	-				
15	Sensor Bolt	NSS	-				
16	Drive Strap, Bolts & Washers	NSS	-				
17	Lock Plate	R160217	1				
18	Bolt & Washer	R160041	1				
17, 18	Lock Plate/Bolt & Washer Kit	R160218	1				
19	Release Bearing & Snap Ring						
	- Greaseable (with Brake)	R160010	1				
	- Greaseable (with Brake and Dual Zerk)	R160154	1				
	- Sealed (without Brake) for LTD Lite Pedal	R160187 (1)	1				
20	Clutch Brake (2")	R160012 (2)	1				
21	Release Fork	R160193 (2)	1				

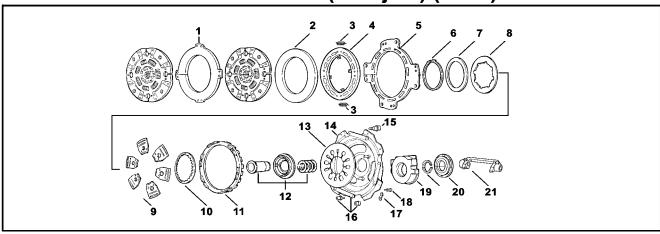
⁽¹⁾ These sealed bearings have the Extended Lube feature which allows bearing housing to be greased only every 100,000 miles for input shaft/clutch sleeve interface.

⁽²⁾ Clutch Brake and Release Fork not included in Service Clutch Assembly. Must be purchased separately.

NSS - Not sold separately. Must purchase complete cover assembly.

DCF - Compatible with Dampened Hub, Ceramic Facing

15-1/2" REPLACEMENT PARTS (Autojust) (cont.)



Complete Cover Assembly (6)

		REPLACEMENT	PKG.				
ITEM	DESCRIPTION	DESCRIPTION PART NO.					
2-19	2800-3200 lb., Extended Lube Sealed Bearing (2" Spline)	R160209 (4)	1				
	2800-3200 lb., Greaseable Bearing (2" Spline)	R160207 (3)	1				
	2800-3200 lb., Greaseable Bearing (2" Spline)	R160219 (5)	1				
	3600-4000 lb., Extended Lube Sealed Bearing (2" Spline)	R160210 (4)	1				
	3600-4000 lb., Greaseable Bearing (2" Spline)	R160208 (3)	1				
	3600-4000 lb., Greaseable Bearing (2" Spline)	R160216 (5)	1				

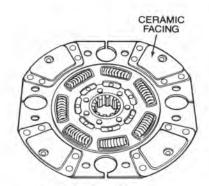
⁽³⁾ Use of organic disc facings will lead to clutch release problems.

⁽⁴⁾ These sealed bearings have the Extended Lube feature which allows bearing housing to be greased only every 100,000 miles for input shaft/clutch sleeve interface.

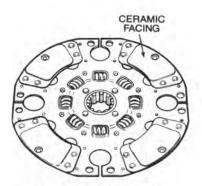
⁽⁵⁾ Dual zerk fitting on release bearing. Use of organic facings will lead to clutch release problems.

⁽⁶⁾ Lite Pedal design.

15-1/2" FRICTION DISCS - 4 Paddle (Manual & Autojust)



LTD Hub with Ceramic Facing

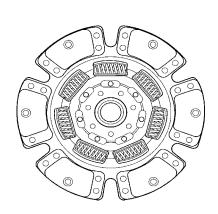


Dampened Hub with Ceramic Facing

FRICTION DISC PART NUMBER	DISC LOCATION	FACING TYPE	CLAMP LOAD	TORQUE (ftlb.) APPLICATION	SPLINE SIZE
R160142 (1)	Rear (8)	Ceramic	3600	1730	2"
R160143 (1)	Front (8)	Ceramic	3600	1730	2"
R160150 (2)	Rear and Front (4)	Ceramic	2800	1150	2"
R160152 (3)	Rear and Front (4)	Ceramic	3200-3600	1450-1700	2"
R160153 (5)	Rear and Front (4)	Ceramic	2800	1150	2"
R160165 (6)	Rear and Front (4)	Ceramic	4000	1860	2"
R160191 (7)	Rear and Front (4)	Ceramic	4000	2050	2"
R160211 (9) (10)	Rear and Front (4)	Ceramic	3200	1450	2"
R160212 (9) (10)	Rear and Front (4)	Ceramic	3600	1700	2"
R160213 (9)	Rear and Front (4)	Ceramic	2800-3600	1150-1700	2"
R160214 (9)	Rear and Front (4)	Ceramic	4000	1860	2"
R160215 (9)	Rear and Front (4)	Ceramic	4000	2050	2"

- (1) Two Stage discs for Super 8 clutches (8 spring).
- (2) This disc is a low torque, low hysteresis design.
- (3) This disc is a medium torque, low hystersis design.
- (4) LTD clutch discs are designed to work in both the front and rear position with the same part number.
- (5) This disc is a low torque, high hysteresis design. For Detroit Diesel Series 50 engines.
- (6) This disc is a high torque (1860 ft. lb.), low hysteresis design.
- (7) This disc is an extra high torque, low hysteresis design.
- (8) Front discs are installed in front of the flywheel. Rear discs are installed in front of the pressure plate.
- (9) Use only on 2001 or later model LTD clutches.
- (10) Two stage LTD (7 Spring) discs.

15-1/2" FRICTION DISCS - 6 Paddle



LTD Manual and Autojust

FRICTION DISC PART NUMBER	DISC LOCATION (2)	FACING TYPE	CLAMP LOAD	TORQUE (ftlb.) APPLICATION	SPLINE SIZE
R160204	Rear and Front	Ceramic	2800-3600	1150-1700	2"
R160205	Rear and Front	Ceramic	4000	1860	2"
R160206	Rear and Front	Ceramic	4000	2050	2"

⁽²⁾ Front discs are installed in front of the flywheel. Rear discs are installed in front of the pressure plate.

OPTIONAL ASSEMBLIES

15-1/2" LTD (7 Spring) Clutches - 2"-10 Spline Hub

Choose O	Choose Options Within the Same Torque Rating Block or Higher										
	Maximum	Pressure	Flywheel		Friction						
Meritor	Torque	Plate	Pocket		Paddle	Disc	Туре	Friction			
Part	Applic.	Load	Dia.	Adjustment	Qty.	Dampening	of	Facing			
Number	(ftlb.)	(lb.)	(inches)	Туре	(Pairs)	Туре	Bearing	Material			
1150 (ftlb		n Torque	Rating	•		•					
R150705	1150	2800	10.125	Manual	4	LTD	Greaseable	Ceramic			
R150706	1150	2800	10.125	Manual	6	LTD	Greaseable	Ceramic			
R150708	1150	2800	10.125	AutoJust	4	LTD	Greaseable	Ceramic			
R150709	1150	2800	10.125	AutoJust	6	LTD	Greaseable	Ceramic			
R154705	1150	2800	10.125	Manual	4	LTD	Sealed (5)	Ceramic			
R154706	1150	2800	10.125	Manual	6	LTD	Sealed (5)	Ceramic			
R154708	1150	2800	10.125	AutoJust	4	LTD	Sealed (5)	Ceramic			
R154709	1150	2800	10.125	AutoJust	6	LTD	Sealed (5)	Ceramic			
1101100	1100	2000	10.120	710100001		LTD - High	Coalog (c)	Corarino			
R158705	1150	2800	10.125	Manual	4	Hysteresis	Greaseable	Ceramic			
						LTD - High					
R158708	1150	2800	10.125	AutoJust	4	Hysteresis	Greaseable	Ceramic			
						LTD - High					
R159705	1150	2800	10.125	Manual	4	Hysteresis	Sealed (5)	Ceramic			
R159708	1150	2800	10.125	Auto luot	4	LTD - High	Socied (F)	Ceramic			
K159706	1150	2000	10.125	AutoJust	4	Hysteresis	Sealed (5)	Ceramic			
4.450 /61 11-	\ 	T	D = 1!								
1450 (ftlb	í			1		1					
R151705	1450	3200	10.125	Manual	4	LTD	Greaseable	Ceramic			
R151706	1450	3200	10.125	Manual	6	LTD	Greaseable	Ceramic			
R151708	1450	3200	10.125	AutoJust	4	LTD	Greaseable	Ceramic			
R151709	1450	3200	10.125	AutoJust	6	LTD	Greaseable	Ceramic			
D454705	4.450	0000	40.405	Manual	,	LTD	Dual Grease	0			
R151725	1450	3200	10.125	Manual	4	LTD	Fitting	Ceramic			
R151726	1450	3200	10.125	Manual	6	LTD	Dual Grease Fitting	Ceramic			
101720	1400	0200	10.120	Marida		LID	Dual Grease	Cordinio			
R151728	1450	3200	10.125	AutoJust	4	LTD	Fitting	Ceramic			
							Dual Grease				
R151729	1450	3200	10.125	AutoJust	6	LTD	Fitting	Ceramic			
						LTD Free Travel					
R151805	1450	3200	10.125	Manual	4	(2 Stage)	Greaseable	Ceramic			
D454909	1450	2200	10 125	Auto luot		LTD Free Travel	Crossophia	Coromio			
R151808	1450	3200	10.125	AutoJust	4	(2 Stage) LTD Free Travel	Greaseable Dual Grease	Ceramic			
R151825	1450	3200	10.125	Manual	4	(2 Stage)	Fitting	Ceramic			
	1		1020			LTD Free Travel	Dual Grease	20.0.1110			
R151828	1450	3200	10.125	AutoJust	4	(2 Stage)	Fitting	Ceramic			
R155705	1450	3200	10.125	Manual	4	LTD	Sealed (5)	Ceramic			
R155706	1450	3200	10.125	Manual	6	LTD	Sealed (5)	Ceramic			
R155708	1450	3200	10.125	AutoJust	4	LTD	Sealed (5)	Ceramic			
R155709	1450	3200	10.125	AutoJust	6	LTD	Sealed (5)	Ceramic			
						LTD Free Travel	` '				
R155805	1450	3200	10.125	Manual	4	(2 Stage)	Sealed (5)	Ceramic			
						LTD Free Travel					
DIEEONO	1.450	2200	10 105	A to l o t		(2 Ctogo)	Coolod (E)	Caramia			

⁽⁵⁾ These sealed bearings have the Extended Lube feature which allows bearing housing to be greased only every 100,000 miles for input shaft/clutch sleeve interface.

AutoJust

(2 Stage)

Sealed (5)

10.125

3200

1450

R155808

Ceramic

OPTIONAL ASSEMBLIES

15-1/2" LTD (7 Spring) Clutches - 2"-10 Spline Hub

Choose Options Within the Same Torque Rating Block or Higher

	Maximum	Pressure	Flywheel		Friction			
Meritor	Torque	Plate	Pocket		Paddle	Disc	Туре	Friction
Part	Applic.	Load	Dia.	Adjustment	Qty.	Dampening	of	Facing
Number	(ftlb.)	(lb.)	(inches)	Туре	(Pairs)	Туре	Bearing	Material
1700 (ftlb	.) Maximur	n Torque	Rating					
R152705	1700	3600	10.125	Manual	4	LTD	Greaseable	Ceramic
R152706	1700	3600	10.125	Manual	6	LTD	Greaseable	Ceramic
R152708	1700	3600	10.125	AutoJust	4	LTD	Greaseable	Ceramic
R152709	1700	3600	10.125	AutoJust	6	LTD	Greaseable	Ceramic
R152725	1700	3600	10.125	Manual	4	LTD	Dual Grease Fitting	Ceramic
R152726	1700	3600	10.125	Manual	6	LTD	Dual Grease Fitting	Ceramic
R152728	1700	3600	10.125	AutoJust	4	LTD	Dual Grease Fitting	Ceramic
R152729	1700	3600	10.125	AutoJust	6	LTD	Dual Grease Fitting	Ceramic
R152805	1700	3600	10.125	Manual	4	LTD Free Travel (2 Stage)	Greaseable	Ceramic
R152808	1700	3600	10.125	AutoJust	4	LTD Free Travel (2 Stage)	Greaseable	Ceramic
R152825	1700	3600	10.125	Manual	4	LTD Free Travel (2 Stage)	Dual Grease Fitting	Ceramic
R152828	1700	3600	10.125	AutoJust	4	LTD Free Travel (2 Stage)	Dual Grease Fitting	Ceramic
R156705	1700	3600	10.125	Manual	4	LTD	Sealed (5)	Ceramic
R156706	1700	3600	10.125	Manual	6	LTD	Sealed (5)	Ceramic
R156708	1700	3600	10.125	AutoJust	4	LTD	Sealed (5)	Ceramic
R156709	1700	3600	10.125	AutoJust	6	LTD	Sealed (5)	Ceramic
R156805	1700	3600	10.125	Manual	4	LTD Free Travel (2 Stage)	Sealed (5)	Ceramic
R156808	1700	3600	10.125	AutoJust	4	LTD Free Travel (2 Stage)	Sealed (5)	Ceramic

1860 (ft.-lb.) Maximum Torque Rating

	.,aa.							
R153705	1860	4000	10.125	Manual	4	LTD	Greaseable	Ceramic
R153706	1860	4000	10.125	Manual	6	LTD	Greaseable	Ceramic
R153708	1860	4000	10.125	AutoJust	4	LTD	Greaseable	Ceramic
R153709	1860	4000	10.125	AutoJust	6	LTD	Greaseable	Ceramic
R153725	1860	4000	10.125	Manual	4	LTD	Dual Grease Fitting	Ceramic
R153726	1860	4000	10.125	Manual	6	LTD	Dual Grease Fitting	Ceramic
R153728	1860	4000	10.125	AutoJust	4	LTD	Dual Grease Fitting	Ceramic
R153729	1860	4000	10.125	AutoJust	6	LTD	Dual Grease Fitting	Ceramic
R157705	1860	4000	10.125	Manual	4	LTD	Sealed (5)	Ceramic
R157706	1860	4000	10.125	Manual	6	LTD	Sealed (5)	Ceramic
R157708	1860	4000	10.125	AutoJust	4	LTD	Sealed (5)	Ceramic
R157709	1860	4000	10.125	AutoJust	6	LTD	Sealed (5)	Ceramic

⁽⁵⁾ These sealed bearings have the Extended Lube feature which allows bearing housing to be greased only every 100,000 miles for input shaft/clutch sleeve interface.

OPTIONAL ASSEMBLIES

15-1/2" LTD (7 Spring) Clutches - 2"-10 Spline Hub

Choose Options Within the Same Torque Rating Block or Higher

	Maximum	Pressure	Flywheel		Friction						
Meritor	Torque	Plate	Pocket		Paddle	Disc	Туре	Friction			
Part	Applic.	Load	Dia.	Adjustment	Qty.	Dampening	of	Facing			
Number	(ftlb.)	(lb.)	(inches)	Туре	(Pairs)	Type	Bearing	Material			
2050 (ftlb.) Maximum Torque Rating											
							Dual Grease				
R153735	2050	4000	10.125	Manual	4	LTD	Fitting	Ceramic			
							Dual Grease				
R153736	2050	4000	10.125	Manual	6	LTD	Fitting	Ceramic			
							Dual Grease				
R153738	2050	4000	10.125	AutoJust	4	LTD	Fitting	Ceramic			
							Dual Grease				
R153739	2050	4000	10.125	AutoJust	6	LTD	Fitting	Ceramic			
R153755	2050	4000	10.125	Manual	4	LTD	Greaseable	Ceramic			
R153756	2050	4000	10.125	Manual	6	LTD	Greaseable	Ceramic			
R153758	2050	4000	10.125	AutoJust	4	LTD	Greaseable	Ceramic			
R153759	2050	4000	10.125	AutoJust	6	LTD	Greaseable	Ceramic			
R157755	2050	4000	10.125	Manual	4	LTD	Sealed (5)	Ceramic			
R157756	2050	4000	10.125	Manual	6	LTD	Sealed (5)	Ceramic			
R157758	2050	4000	10.125	AutoJust	4	LTD	Sealed (5)	Ceramic			
R157759	2050	4000	10.125	AutoJust	6	LTD	Sealed (5)	Ceramic			

15-1/2" Super 8 (8 Spring) CLUTCHES - 2"-10 SPLINE HUB

	Original F	Part Numb		Optional Replacement Part Number					
Meritor Part	Maximum Torque Appl.	Pressure Plate	Type of	Type of	Meritor Part	Maximum Torque Appl.	Pressure Plate	Type of	Type of
Number	(ftlb.)	Load	Disc	Bearing	Number	(ftlb.)	Load	Disc	Bearing
R151456 (1)	1450	3600	DOF	Greaseable	R151406	1730	3600	DCF	Greaseable
R151406	1730	3600	DCF	Greaseable	No Super 8 opti	on but can use	e a 1700 ft-lb,	or highe	er,
					torque rated LTD clutch if engine flywheel pocket				
					diameter is 10.1	125".			

14" CLUTCHES - 2"-10 SPLINE HUB

	Original Part Number					Optional Replacement Part Number				
	Maximum					Maximum				
Meritor	Torque	Pressure	Туре	Type	Meritor	Torque	Pressure	Туре	Type	
Part	Appl.	Plate	of	of	Part	Appl.	Plate	of	of	
Number	(ftlb.)	Load	Disc	Bearing	Number	(ftlb.)	Load	Disc	Bearing	
R140151 (1)	1130	3200	DOF	Greaseable	R140401 (2)	1400	3200	DCF	Greaseable	
					R141101	1400	3200	DCF	Greaseable	
R140451 (1) (2)	1130	3200	DOF	Greaseable	R140401 (2)	1400	3200	DCF	Greaseable	
R141101	1400	3200	DCF	Greaseable	R140401 (2)	1400	3200	DCF	Greaseable	

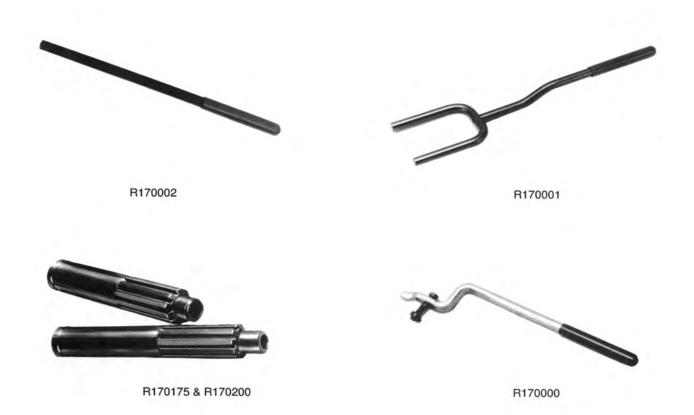
(1) No Longer Available

DOF-Dampened Organic Facing

(2) Two Stage Clutch

DCF-Dampened Ceramic Facing

⁽⁵⁾ These sealed bearings have the Extended Lube feature which allows bearing housing to be greased only every 100,000 miles for input shaft/clutch sleeve interface.



	KENT-MOORE	OWATONNA	SNAP-ON ®	MERITOR
DESCRIPTION	TOOL NO. (1)	TOOL NO. (2)	TOOL NO. (3)	TOOL NO.
Clutch Alignment Tool - 1-3/4"	J 35990	7073-A	HTT2501-2	R170175
Clutch Alignment Tool - 2"	J 26455-A	7074-A	HTT2501-3	R170200
Clutch Adjustment Tool	J 36216	7028	GA454	R170000
Truck Clutch and Flywheel Handler	J 39613			
Pedal Pusher	J 39610			
Pilot Bearing Puller			SP2031 (4)	
Drive Pin Installation Tool			SP2032 (4)	
1/2" Gauge Tool (Non-Synchronized			SP2033 (4)	R170001
Transmission)				
1/8" Gauge Tool		5034	SP2034 (4)	R170002
7/16" Guide Studs (15-1/2" Clutches)			SP2035 (4)	
3/8" Guide Studs (14" Clutches)			SP2036 (4)	

- (1) Order Kent-Moore tools from: Kent-Moore Heavy Duty Division, 29874 Little Mack, Roseville, MI 48066-2298.
- (2) Order Owatonna tools from: OTC Tool and Equipment Division, 655 Eisenhower Drive, Owatonna, MN 55060.
- (3) See your local Snap-on® dealer.
- (4) Tools are part of Tool Kit 2030CS.

CROSS REFERENCE

loniorn	MEDITOR	
SPICER	MERITOR SERVICE NO	
NUMBER	SERVICE NO.	
107034-61MO	R141100RM	
107034-61MR	R141100RME	
107050-52A	R141101	
107050-52B	R141101	
107050-58B	R141101	
107050-59MO	R141100RM	
107050-59MR	R141100RME	
107091-52A	R151406 (2)	
107091-52B	R151406 (2)	
107091-55A	R151406 (2)	
107091-55B	R151406 (2)	
107091-74A	R151406 (2)	
107091-74B	R151406 (2)	
107091-74MO	R151405RM (2)	
107091-74MR	R151105RME	
107091-75B	R151406 (2)	
107091-80MO	R151405RM (2) (4)	
107091-80MR	R150105RME (4)	
107091-80MR	R151105RME (4)	
107091-81MO	R151405RM (2) (4)	
107091-81MR	R151105RME (4)	
107091-83MR	R151150RME	
107391-52A	R151406 (2)	
107391-52B	R151406 (2)	
107391-55A	R151406 (2)	
107391-55B	R151406 (2)	
107391-74A	R151406 (2)	
107391-74B	R151406 (2)	
107391-75B	R151406 (2)	
107608-59MO	R140120RM	
107608-59MO	R141120RM	
107625-50MO	R155600RM (1) (3)	
107625-51MO	R156600RM (1) (3)	
108034-53A	R141101	
108034-53B	R141101	
108034-59MO	R141100RM	
108034-61B	R141101	
108034-61MO	R141100RM	
108050-52A	R141101	
108050-52B	R141101	
108050-58A	R141101	
108050-58B	R141101	
108050-59B	R141101	
108390-53B	R151100	
108391-51MO	R156600RM (1) (3)	

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SPICER	MERITOR
NUMBER	SERVICE NO.
108391-52A	R151406 (2)
108391-52B	R151406 (2)
108391-53A	R150100
108391-53B	R150100
108391-55A	R151406 (2)
108391-55B	R151406 (2)
108391-72A	R151406 (2)
108391-72B	R151406 (2)
108391-74A	R151406 (2)
108391-74B	R151406 (2)
108391-74MO	R151405RM (2)
108391-75B	R151406 (2)
108391-80B	R151406 (2) (4)
108391-81B	R151406 (2) (4)
108391-81MO	R151405 (2) (4)
108925-50	R151725 (1) (3)
108925-51	R151725 (1) (3)
108925-80B	R151705 (3)
108925-81	R150705 (3)
108925-82B	R152705 (3)
108935-50B	R151725 (1) (3)
108935-51B	R152725 (1) (3)
108935-61	R153725
108925-10	R153705
108925-10	R153706
108925-15	R153755
108925-15	R153756
109700-51	R152728
109700-61	R153728
109701-10	R153709
109701-10	R153708
109701-15	R153758
109701-15	R153759
109701-82	R152708
109710-82Y	R156708
109710-10Y	R157708
109710-10Y	R157709
109710-15Y	R157758
109710-15Y	R157759
LIPE	MERITOR
NUMBER	SERVICE NO.
1497-008	R151406 (2)
1695-008	R141101
380-9-1984	R151406 (2)
380-9-1985	R151406 (2)

⁽¹⁾ Dual zerk fitting on release bearing.

⁽³⁾ LTD clutch assembly.

⁽²⁾ Two Stage clutch assembly.

⁽⁴⁾ Requires 8-5/8" flywheel damper opening.

CROSS REFERENCE

MERITOR	MERITOR	MERITOR	MERITOR
SPECIFICATION NO.	SERVICE NO.	SPECIFICATION NO.	SERVICE NO.
HC14C2200NB28	R141101	HC15P2200SN40 (3)	R157705 (3)
HC14C2200NB32	R141101	HC15P2200WN40 (3)	R157755 (3)
HC14C2200NN28	R141101	HC15P2200DN28 (3)	R158705 (3)
HC14C2200NN32	R141101	HC15P2200YN28 (3)	R159705 (3)
HC14C2200TN28 (2)	R140401 (2)		
HC14C2200TN32 (2)	R140401 (2)		
HC15C2200NB28	R150100		
HC15C2200NB32	R151406 (2)		
HC15C2200NB36	R151406 (2)		
HC15C2200NN28	R150100		
HC15C2200NN32	R151406 (2)		
HC15C2200NN36	R151406 (2)		
HC15C2200TN28 (2)	R150405		
HC15C2200TN32 (2)	R151406 (2)		
HC15C2200TN36 (2)	R151406 (2)		
HC15L2200DN28 (3)	R158705 (3)		
HC15L2200HN36 (3)	R153705 (3)		
HC15L2200HN40 (3)	R153755 (3)		
HC15L2200NN28 (3)	R150705 (3)		
HC15L2200NN32 (3)	R151705 (3)		
HC15L2200NN36 (3)	R152705 (3)		
HC15L2200NN40 (3)	R153705 (3)		
HC15L2200SN32 (3)	R155705 (3)		
HC15L2200SN36 (3)	R156705 (3)		
HC15L2200SN40 (3)	R157705 (3)		
HC15L2200WN36 (3)	R157705 (3)		
HC15L2200WN40 (3)	R157755 (3)		
HC15L2200YN28 (3)	R159705 (3)		
HC15L2200ZN32 (3)	R151725 (1) (3)		
HC15L2200ZN36 (3)	R152725 (1) (3)		
HC15M2200NB28	R150150		
HC15M2200NN28	R150150		
HC15P2200NN28 (3)	R150705 (3)		
HC15P2200NN32 (3)	R151705 (3)		
HC15P2200NN36 (3)	R152705 (3)		
HC15P2200NN40 (3)	R153705 (3)		
HC15P2200HN40 (3)	R153755 (3)		
HC15P2200SN28 (3)	R154705 (3)		
HC15P2200SN32 (3)	R155705 (3)		
HC15P2200SN36 (3)	R156705 (3)		

⁽¹⁾ Dual zerk fitting on release bearing.

NOTE: Meritor service clutches are supplied without drive pins (14" clutches only) or a clutch brake. These parts must be ordered separately. Drive Pin part number: R160008 (14" clutches only). 2" Clutch Brake part number: R160012.

NOTE: Spicer part numbers with an "A" suffix indicates that drive pins (14" clutches only) and a clutch brake are included. Spicer part numbers with a "B" suffix indicates that drive pins (14" clutches only) and a clutch brake are not included.

NOTE: Molded organic discs cannot be used with flywheels with a large diameter damper opening of 10-1/8".

⁽²⁾ Two Stage clutch assembly.

⁽³⁾ LTD clutch assembly.

SUPERCESSION LISTING

ORIGINAL	REPLACEMENT	ORIGINAL	REPLACEMENT
PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
R140100	R141101	R151150	NLA
R140100RM	R141100RM	R151150RM	NLA
R140120	Contact Info. Services *	R151155	NLA
R140120RM	Contact Info. Services *	R151250	NLA
R140150	NLA	R151270	NLA
R140150RM	NLA	R151405	R151406
R140151	NLA	R151455	NLA
R140170	NLA	R151455RM	NLA
R140250	NLA	R151456	NLA
R140270	NLA	R151600	R154705
R140400	R140401	R151650	R153705
R140420	Contact Info. Services *	R152105	R151406 (1)
R140450	NLA	R152105RM	R151405RM (1)
R140451	NLA	R152150	NLA
R141100	R141101	R152455	NLA
R141120	Contact Info. Services *	R152455RM	NLA
R141120RM	Contact Info. Services *	R152600	R151705
R141150RM	NLA	R152650	R157705
R141400	NLA	R153105	R151406 (1)
R141450	NLA	R153105RM	R151405RM (1)
R142100	NLA	R153405	R151406 (1)
R142100 R142100RM	NLA	R153405RM	R151405RM (1)
R142150	NLA	R153600	R152705
R142130 R143100	R141100 (1)	R154105	NLA
	• ,		NLA
R143100RM	R141100RM (1)	R154150	
R143400	NLA NLA	R154150RM	NLA B450705
R144150	NLA NLA	R154600	R158705
R144150RM	NLA NLA	R155600	R151725
R144450	NLA BA47404	R156600	R152725
R147100	R147101	R157405	R157406
R150100	R151406	R157405	R157406
R150100RM	R151405RM	R157600	R159705
R150105	R151406	R158600	R155705
R150105RM	R151405RM	R159600	R156705
R150150	NLA	R160018	NLA
R150150RM	R151455RM	R160029	Contact Info. Services *
R150155	NLA	R160033	Contact Info. Services *
R150155RM	NLA	R160033RM	Contact Info. Services *
R150175	NLA	R160050	R160194
R150250	NLA	R160051	R160194
R150405	R151406	R160052	R160194
R150405RM	R151405RM	R160053	R160194
R150600	R150705	R160054	NLA
R150650	R158705	R160054RM	NLA
R151100	Contact Info. Services *	R160055	R160197
R151105	R151406	R160056	R160197
R151105RM	R151405RM	R160057	R160197

NLA - No longer available

NOTE: Molded organic discs cannot be used with flywheels with a large diameter damper opening of 10-1/8".

⁽¹⁾ Sealed version no longer available. Can use greaseable bearing as replacement.

^{*} For replacement information contact the Information Services Department at 1-888-725-9355

SUPERCESSION LISTING

ORIGINAL	REPLACEMENT	ORIGINAL	REPLACEMENT
PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
R160058	R160056 (1)	R160140RM	NLA
R160059	R160056 (1)	R160141	NLA
R160061	NLA	R160141RM	NLA
R160062	NLA	R160144RM	NLA
R160062RM	NLA	R160145RM	NLA
R160064	NLA	R160151	NLA
R160064RM	NLA	R160151RM	NLA
R160065	NLA	R160155	R160195
R160100	R160142	R160156	R160196
R160101	R160143	R160160	R160177
R160104	R160144	R160161	R160178
R160104RM	NLA	R160162	R160179
R160105	R160145	R160167	R160177
R160105RM	NLA	R160189	R160195
R160106	R160142		
R160107	R160143		
R160108	R160144		
R160108RM	NLA		
R160109	R160145		
R160109RM	NLA		
R160112	NLA		
R160112RM	NLA		
R160113	NLA		
R160113RM	NLA		
R160114	NLA		
R160114RM	NLA		
R160115	NLA		
R160115RM	NLA		
R160116	NLA		
R160117	NLA		
R160118	R160102		
R160119	R160103		
R160120	NLA		
R160121	NLA		
R160122	R160144		
R160123	R160145		
R160124	NLA		
R160125	NLA		
R160128	R160144		
R160129	R160145		
R160132	R160102		
R160133	R160103		
R160134	R160102		
R160135	R160103		
R160136	NLA		
R160137	NLA		
R160140	NLA		

NLA - No longer available

NOTE: Molded organic discs cannot be used with flywheels with a large diameter damper opening of 10-1/8".

⁽¹⁾ Sealed version no longer available. Can use greaseable bearing as replacement.

^{*} For replacement information contact the Information Services Department at 1-888-725-9355

NUMERICAL PART LISTING

				INICAL I AINI	
PART NUMBER	PAGE	PART NUMBER	PAGE	PART NUMBER	PAGE
R140151	25	R153726	10, 14, 24	R160013	15, 17
R140400RM	12	R153728	9, 14, 24	R160040	15, 17
R140401	12, 13, 25	R153729	10, 14, 24	R160041	15, 17, 19
R140451	25	R153735	9, 14, 25	R160126	13, 16
R141100RM	12	R153736	10, 14, 25	R160127	13, 16
R141100RME	12	R153738	9, 14, 25	R160142	13, 21
R141101	12, 13, 25	R153739	10, 14, 25	R160143	13, 21
R150105RME	12	R153755	9, 14, 25	R160146	13, 16
R150705	9, 13, 23	R153756	10, 14, 25	R160147	13, 16
R150706	10, 13, 23	R153758	9, 14, 25	R160150	13, 14, 21
R150708	9, 13, 23	R153759	10, 14, 25	R160152	13, 14, 21
R150709	10, 13, 23	R154600RM	11	R160153	14, 21
R150805	11, 13	R154705	9, 14, 23	R160154	13, 14, 17, 19
R150808	11, 13	R154706	10, 14, 23	R160165	13, 14, 21
R150825	11, 13	R154708	9, 14, 23	R160174	15, 17
R150828	11, 13	R154709	10, 14, 23	R160179	13, 14, 18
R151105RME	12	R154805	11, 14	R160182	14, 18
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