

# Application Guide



Powering Business Worldwide



# Performance Differentials

Rugged. Reliable. Proven.



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# The Power of Control

Choose Eaton® to get the most out of your drivetrain.



## Detroit Locker

The Detroit Locker is a 100% automatic locking differential that provides ultimate traction for mild to extreme vehicle applications. Its unique, bullet-proof design is engineered to keep both wheels in drive mode - even if one wheel is lifted off the ground.

- 100-percent automatic locking
- Unmatched strength
- Maintenance-free
- Provides maximum amount of traction to both wheel ends



## Eaton ELocker

The Eaton ELocker is an electronic, selectable differential designed for drivers that need traction on-demand. At the flip of a dash switch, drivers can go from open to 100-percent locked. A second flip of the switch deactivates the unit to resume normal driving.

- Driver selectable operation
- Net-forged gears for maximum strength and durability
- Most reliable on-demand differential
- Quickly send all torque to both wheels to overcome obstacles



## Detroit Truetrac

The Detroit Truetrac is a helical-gear style limited-slip differential that maximizes wheel traction and enhances driving and handling characteristics. Its versatility makes the Detroit Truetrac the ideal traction solution for almost any type of vehicle.

- Smooth, automatic operation
- Maintenance-free
- Unique, helical gear design
- Ideal for most vehicles



## Eaton Posi

The Eaton Posi limited-slip differential is the perfect way to control traction in street rods, light duty pickups and all types of tarmac running race cars.

- Race-bred carbon friction discs
- Rebuildable design
- Net-forged gears for added strength
- Smooth, automatic operation
- Tunable via various spring packs (pre-loads)



**NEW**



## ELocker for Jeep Wrangler (JL) and Gladiator (JT)



**NEW**

### Wrangler JL - Front & Rear Applications (Non-Rubicon)

**Model Year Applicability**

2018 - Current

**Axle Spline:** 29 (14244-1), 32 (14234-1)

# ELocker®

**14234-1 32 Spline**  
**14244-1 29 Spline**

**NEW**

### Gladiator JL - Front & Rear Applications (Non-Rubicon)

**Model Year Applicability**

2020 - Current

**Axle Spline:** 32 (14234-1)



See page 15-16 for more details.



# Detroit Truetrac<sup>®</sup> for GM<sup>®</sup> 1500 Trucks

**NEW**

**NEW**

## GM 1500 Trucks - 3.42 & 3.73 gear ratios

### Model Year Applicability

2014 - Current GM 1500  
Pickup Trucks

**Ring Gear Dia.:** 9.5" / 9.76"

**Axle Spline:** 33 teeth

Notes: Beam axle only. Similar to 914A538 but eliminates the need to use a ring gear spacer for the higher 3.42 & 3.73 ratios. Factory differential cover oil drain plug may need to be shortened by approximately 1/8" to maintain clearance with the differential.

**See page 14 for more details.**



**NEW**



# Detroit Truetrac<sup>®</sup> for Ram Trucks

**NEW**

## Ram Trucks - 1/2 Ton

### Model Year Applicability

2011 - Current Ram 1500  
(All 1/2 ton apps.)

**Ring Gear Dia.:** 9.25"  
All Ratios

**Axle Spline:** 31 teeth

**Engines:** V6 and V8



**See page 12 for more details.**



**NEW**



## ELocker for Toyota Applications

See pages 17-18 for further information.





NEW

## Detroit Truetrac<sup>®</sup> for S550 Mustangs



NEW

### S550 Mustangs

#### Model Year Applicability

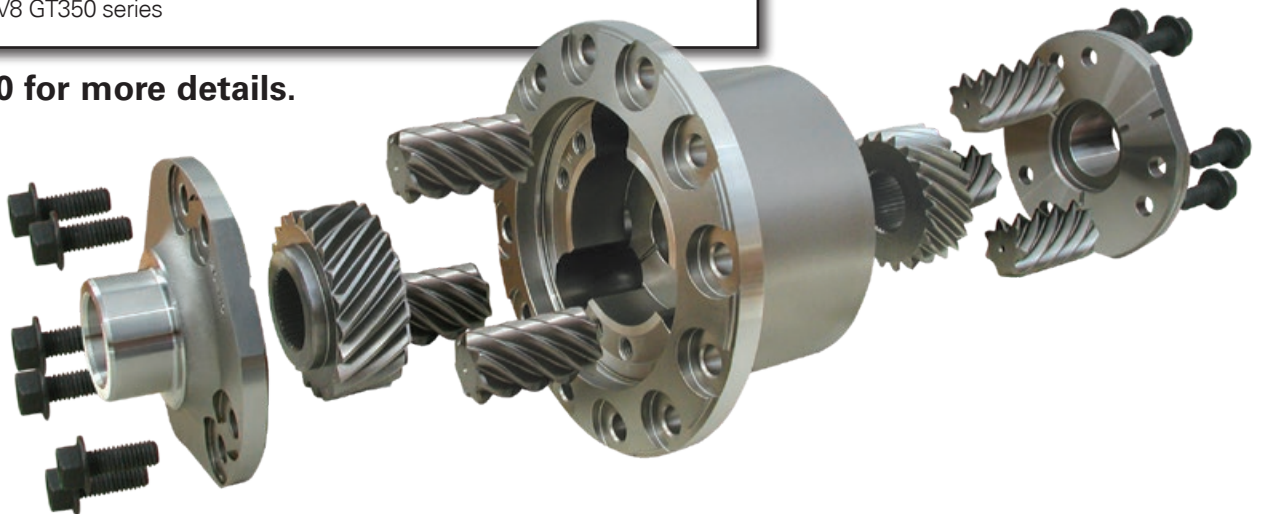
2015 - Current:  
I4/2.3L EcoBoost, V6/3.7L,  
V8/5.0L GT series all ratios  
(3.31, 3.55, 3.73, 4.09)

**Excludes:** 5.2L/V8 GT350 series

**Ring Gear Dia.:** Super 8.8"

**Axle Spline:** 34 teeth

See page 10 for more details.



# Quality. Strength. Durability.

Eaton offers a broad portfolio of differentials to meet the unique needs of performance and enthusiast drivers. Our lineup includes locking and limited-slip, automatically engaging and driver-selectable products. Choosing an Eaton Performance differential not only ensures ultimate performance, our superior product quality reduces time spent in the garage and decreases wallet-draining driveline repairs.

**Eaton Detroit Locker**



**Eaton ELocker**



**Eaton Detroit Truetrac**



**Eaton Posi**





# General Information

## Application Guide Usage

### How to use this application guide

1. Navigate to the appropriate vehicle type and OEM.
2. Using your vehicle owners manual, find the correct model year and axle type.
3. **If known**, find the correct axle shaft diameter, spline count and gear ratio. **If unknown**, please consult your local mechanic as these items are critical to selecting the appropriate differential unit.
4. Find the Eaton differential products available for your specific vehicle.

1 Year	2 Description	3 Ring Gear Diameter	3 Axle Shaft Diameter	3 Spline Count	3 Gear Ratio	4 Detroit Locker	4 Detroit Truetrac	5 Eaton Posi	Eaton ELocker
<b>GM: Chevrolet, Pontiac, Buick and Oldsmobile</b>									
1964 - 1972	GM 12 bolt car	8.875"	1.29"	30	3.08 - 3.90	187C197A	913A555*	19554-010	
1964 - 1972	GM 12 bolt car	8.875"	1.29"	30	4.10 & up			19555-010	
1964 - 1972	GM 12 bolt car	8.875"	1.41"	33	3.08 - 3.90		914A576*		
1964 - 1972	GM 12 bolt car	8.875"	1.41"	33	4.10 & up		914A575*		
Custom	GM 12 bolt car	8.875"	1.50"	35	3.08 - 3.90				

### 5. IMPORTANT

Eaton Performance differentials are designed for very specific axle applications. Product listings with an asterisk(\*) may require special components or special technical knowledge for installation. Please review the notes section and consult with your local mechanic prior to purchasing or installing any Eaton product.

## Quick Reference

No matter your application, Eaton Performance has a differential to meet your needs.

Product	On Road					Off-Road			
	Drag Racing	Circle Track	Restoration	Street and Muscle	Work Truck / Towing	Work Truck / Towing	Light Trail / Sand Sports	Rock Crawl	Extreme Off-Road
Eaton Posi									
Eaton Detroit Truetrac									
Eaton ELocker									
Eaton Detroit Locker									

# Differentials Passenger Car

Model Year	Axle Description	Ring Gear Diameter	Axle Shaft Diameter	Spline Count	Gear Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
<b>Chrysler, Dodge and Plymouth</b>									
1997 - 2009	Chrysler C-Clip	8.375"	1.21"	29	2.73 & up	187C179A	912A553		
1970 - 1996	Chrysler C-Clip	8.375"	1.17"	27	2.73 & up	187C151A			
1974 - 2010	Chrysler C-Clip	9.25"	1.32"	31	2.76 - 4.56	187C172A	913A368		
1957 - 1974	Chrysler	8.75"	1.28"	30	2.76 - 4.56	187SL14A	913A572		
1957 - 1974	Chrysler	8.75"	1.31"	33	2.76 - 4.56		914A583*		
1966 - 1972	Dana 60	9.75"	1.31"	30	4.10 & dn	225SL19B	913A389		14020-010
					4.56 & up	225SL19A	913A390		14021-010
1966 - 1972	Dana 60 HD	9.75"	1.50"	35	4.10 & dn	225SL29B	915A385		14022-010
					4.56 & up	225SL29A	915A386		14023-010

## Ford, Lincoln and Mercury

1975 - 2009	Ford C-Clip	7.5"	1.20"	28	All	162C57A	912A316		
1986 - 2014	Ford C-Clip	8.8"	1.32"	31	All	187C145A*	913A561	19588-010	19660-010
Custom	Ford	8.8"		33			913A701 (Non C-Clip Only)		
1982 - 2014	Ford C-Clip	8.8"	1.20"	28	All	187C147A*	912A562	19605-010	
1983 - 1986	Ford C-Clip	8.8"	1.32"	31	All			19588-010	19660-010
2015 - Current	Ford Super	8.8"		34	All		<b>NEW</b> 917A731		
1957 - 1980	Ford	9"	1.20"	28	3.25 & up	187SL13A	912A587		
1957 - 1980	Ford	9"	1.32"	31	3.25 & up	187SL17B	913A586		
Custom	Ford	9"	1.50"	35	3.25 & up	187S160A	914A690†		
1963 - 1971	Ford	8"	1.20"	28	3.25 & up	187S13D	912A616*		

†3.25" bore housing required

## General Motors: Chevrolet, Pontiac, Buick and Oldsmobile

1964 - 1972	GM 12 bolt car	8.875"	1.29"	30	3.08 - 3.90	187C197A	913A555*	19554-010	
1964 - 1972	GM 12 bolt car	8.875"	1.29"	30	4.10 & up			19555-010	
1964 - 1972	GM 12 bolt car	8.875"	1.41"	33	3.08 - 3.90		914A576*		
1964 - 1972	GM 12 bolt car	8.875"	1.41"	33	4.10 & up		914A575*		
Custom	GM 12 bolt car	8.875"	1.50"	35	3.08 - 3.90				
1955 - 1964	GM 3rd Member	8.2"	1.197"	17	3.90 & dn			19686-010*	
1988 - 1996	GM 10 bolt C-Clip	8.5"/8.6"	1.32"	30	2.73 & up	187C148A*	913A481*	19559-010*	19659-010*
1971 - 1989	GM 10 bolt C-Clip	8.5"	1.20"	28	2.73 & up	187C149A*	912A556*	19557-010*	
1964 - 1971	GM 10 bolt Buick, Olds and Pontiac	8.2"	1.25"	28	3.36 & up			19674-010	
1964 - 1972	GM 10 bolt Chevrolet	8.2"	1.23"	28	3.08 & up			19603-010	
1988 - 2002	GM 10 bolt	7.5"/7.6"	1.20"	28	3.23 & up	162C59A	912A317	19599-010	
1975 - 1989	GM 10 bolt C-Clip	7.5"	1.16"	26	3.23 & up	162C58A	911A319	19663-010	
					3.08 & dn		911A415		
2004 - 2006	GTO / Monaro			28			912A642		
2010 - 2015	Camaro 218mm			32	3.45, 3.73		912A686		

## Corvette

1963 - 1979	8.5" Cast Iron 3rd Member			17	3.08 - 3.90			19670-010	
1985 - 1996	Dana 44			30			913A614		

\*See the notes section regarding specific installation notes for this differential.



# Differentials Passenger Car



## Street and Muscle

Transform your daily driver to street machine and back again with Eaton products. Not only will you be the envy of your neighborhood, you will have ultimate performance for your commute during all four seasons.



## Drag Racing

Vehicles that run on the quarter mile have unique demands. Choose an Eaton Performance differential to reduce wheel slippage and ensure domination from the green light to the finish line.



## Restoration

Don't let that old classic rot away in the garage. Restore it back to the original condition with a performance differential enhancement. It will feel like you're driving off of the lot for the first time again.

"We always try to stay a step ahead of everybody else. It takes a company like Eaton to keep us there."

Troy Trepanier  
Rad Rides by Troy

# Differentials Truck, SUV, Van and Chassis

Model Year	Axle Description	Ring Gear Diameter	Axle Shaft Diameter	Spline Count	Gear Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
<b>Chrysler, Dodge, Ram and Plymouth Small and Half-Ton Truck, Wagon and Van</b>									
FRONT	1969 - 2001	Dana 44	8.5"	1.31"	30	3.73 & dn 3.92 & up	187SL16D 187SL16C	913A591 913A592	19977-010 19969-010
	1994 - 1999	Dana 60	9.75"	1.31"	30	4.10 & dn 4.56 & up			14020-010 14021-010
	1971 - 1993	Dana 60 HD	9.75"	1.50"	35	4.10 & dn 4.56 & up	225SL29B 225SL29A	915A387 915A388	14022-010 14023-010
	to 1972	Dana 70	10.5"	1.50"	23	All	225S14		
	1997 - 2009	Chrysler C-Clip	8.375"	1.21"	29	2.73 & up	187C179A	912A553	
	1969 - 1996	Chrysler C-Clip	8.375"	1.17"	27	2.73 & up	187C151A		
	1974 - 2010	Chrysler C-Clip	9.25"	1.32"	31	2.76 - 4.56	187C172A	913A368	
	2011 - Current	235mm C-Clip	9.25"		31	All		<b>NEW</b> 917A730	
	1965 - 1974	Chrysler	8.75"	1.28"	30	2.76 - 4.56	187SL14A	913A572	
	1965 - 1974	Chrysler	8.75"	1.31"	33	2.76 - 4.56		914A583*	
FRONT	1972 - 2002	Dana 60	9.75"	1.31"	30	4.10 & dn 4.56 & up	225SL19B 225SL19A	913A389 913A390	14020-010 14021-010
	1972 - 1990	Dana 70	10.5"	1.50"	35	4.10 & dn 4.56 & up	225SL58D* 225SL58C*		14032-010 14033-010
	1991 - 2002	Dana 70	10.5"	1.41"	32	4.10 & dn 4.56 & up	225SL107D 225SL107C		
		Dana Super 60	9.75"	1.70"	40	4.10 & dn			14024-010
		Dana Super 60	9.75"	1.70"	40	4.56 & up			14025-010
	2003 - 2019	AAM	11.5"		30	All	250SL195A	915A568	

<b>Chrysler, Dodge, Ram and Plymouth Three Quarter and One-Ton Truck, Wagon, Van, Cab &amp; Chassis and Motor Home</b>									
FRONT	2003 - 2013	AAM Dodge	9.5"		33			914A643*	
	1976 - 2000	Dana 60 HD	9.75"	1.50"	35	4.10 & dn 4.56 & up	225SL29B 225SL29A	915A387 915A388	14022-010 14023-010
	1971 - 1976	Dana 70	10.5"	1.50"	35	4.56 & up	225SL58C*		14033-010
	to 1974	Dana 70	10.5"	1.50"	23	All	225S14		
	1975 - 2002	Dana 60, 60 HD, 60M	9.75"	1.31"	30	4.10 & dn 4.56 & up	225SL19B 225SL19A	913A389 913A390	14020-010 14021-010
	1991 - 2002	Dana 70	10.5"	1.41"	32	4.10 & dn 4.56 & up	225SL107D 225SL107C		
	1972 - 1990	Dana 70	10.5"	1.50"	35	4.10 & dn 4.56 & up	225SL58D* 225SL58C*		14032-010 14033-010
	1972 - 1985	Dana 70 HD	10.5"	1.50"	35	4.10 & dn 4.56 & up	225SL58B* 225SL58A*		14032-010 14033-010
	1971 - 1974	Dana 70	10.5"	1.50"	35	All			14032-010
	to 1974	Dana 70	10.5"	1.50"	23	All	225S14		
FRONT	1994 - 2002	Dana 80	11.5"	1.52"	35	4.10 & up 3.73 & dn	225SL131A	915A450 915A567	
	2003 - 2019	AAM	11.5"		30	All	250SL195A	915A568	

\*See the notes section regarding specific installation notes for this differential.



# Differentials Truck, SUV, Van and Chassis

Model Year	Axle Description	Ring Gear Diameter	Axle Shaft Diameter	Spline Count	Gear Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
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## Ford Small Truck, Minivan and SUV

FRONT	1990 - 1994	Explorer, Dana 35 IFS Snap Ring	1.14"	27	3.54 & up	162C56A			19821-020*	
	1990 - 1997	1/2 Ranger, Dana 35 IFS Snap Ring			3.54 & up	162C56A			19821-020*	
	1983 - 2009	Ford C-Clip	7.5"	1.20"	28	All	162C57A	912A316		
	1983 - 2014	Ford C-Clip	8.8"	1.32"	31	All	187C145A*	913A561	19588-010	19660-010
	Custom	Ford	8.8"		33			913A701		
	1983 - 2011	Ford C-Clip	8.8"	1.20"	28	All	187C147A*	912A562	19605-010	
	1983 - 1986	Ford C-Clip	8.8"	1.32"	31	All			19588-010	19660-010
	1957 - 1987	Ford	9"	1.20"	28	3.25 & up	187SL13A	912A587		
	1957 - 1987	Ford	9"	1.32"	31	3.25 & up	187SL17B	913A586		
		Ford	9"	1.50"	35	3.25 & up	187S160A	914A690		

## Ford Half-Ton Truck, Van and SUV

FRONT	1967 - 1972	Dana 30	7.2"	1.16"	27	3.54 & dn	162SL60A*	912A584*	19817-020*
						3.73 & up	162SL60B*	912A585*	19818-020*
	1970 - 1982	Dana 44	8.5"	1.31"	30	3.73 & dn	187SL16D	913A591	19977-010
						3.92 & up	187SL16C	913A592	19969-010
	1983 - 1997	Dana 44 C-Clip IFS	8.5"	1.31"	30	3.73 & dn		913A591	
						3.92 & up		913A592	
	1997 - 2008	Ford IFS Snap Ring	8.8"	1.20"	28	All	187C147A*	912A563	
	1977 - 1979	Dana 44	8.5"	1.31"	30	3.73 & dn	187SL16D	913A589	19977-010
				1.31"	30	3.92 & up	187SL16C	913A590	19969-010
	1987 - 2014	Ford C-Clip	8.8"	1.32"	31	All	187C145A*	913A561	19588-010
1983 - 1986	Ford C-Clip	8.8"	1.32"	31	All			19588-010	19660-010
1957 - 1972	Ford	9"	1.20"	28	3.25 & up	187SL13A	912A587		
1957 - 1986	Ford	9"	1.32"	31	3.25 & up	187SL17B	913A586		
1997 - 2019	Ford	9.75"	1.37"	34	All	225C194A	913A477		
2015 - 2019	Ford Transit T150	9.75"	1.37"	34	All		<b>NEW</b> 913A477 <sup>†</sup>		

<sup>†</sup>Semi-float only.

## Ford Three Quarter-Ton Truck, Van and SUV

FRONT	1967 - 1996	Dana 44	8.5"	1.31"	30	3.73 & dn	187SL16D	913A591	19977-010
						3.92 & up	187SL16C	913A592	19969-010
	1997 - 2008	Ford IFS Snap Ring	8.8"	1.20"	28	All	187C147A*	912A563	
	1979 - 2020	Dana 60	9.75"	1.50"	35	4.10 & dn	225SL29B	915A387	14022-010
						4.56 & up	225SL29A*	915A388*	14023-010*
	2015 - 2019	Ford Transit T250	9.75"	1.37"	34	All		<b>NEW</b> 913A477 <sup>‡</sup>	
	Custom	Dana Super 60	9.75"	1.70"	40	4.10 & dn			14024-010
	Custom	Dana Super 60	9.75"	1.70"	40	4.56 & up			14025-010
	1975 - 1984	Dana 60-3	9.75"	1.31"	30	4.10 & dn	225SL19B	913A389	14020-010
						4.56 & up	225SL19A	913A390	14021-010
1985 - 2019	Ford	10.25"/10.5"	1.50"	35	All	225SL56A*	915A550*	19694-010*	
1983 - 1985	Dana 70U	10.5"	1.50"	35	4.10 & dn	225SL58D*		14032-010	
					4.56 & up	225SL58C*		14033-010	

<sup>‡</sup>For Non C-Clip application only, axle spacer is not required. Must install plug and snap ring. Semi-float only.

\*See the notes section regarding specific installation notes for this differential.

# Differentials Truck, SUV, Van and Chassis

Model Year	Axle Description	Ring Gear Diameter	Axle Shaft Diameter	Spline Count	Gear Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
<b>Ford One-Ton Truck, Van, Wagon and Cab &amp; Chassis</b>									
FNT	1974 - 2020	Dana 60	9.75"	1.50"	35	4.10 & dn	225SL29B	915A387	14022-010
	1974 - 2020	Dana 60	9.75"			4.56 & up	225SL29A*	915A388*	14023-010*
	1978 - 1979	Dana 60	9.75"	1.31"	30	4.10 & dn	225SL19B	913A389	14020-010
						4.56 & up	225SL19A	913A390	14021-010
	to 1974	Dana 60	9.75"	1.31"	16	4.10 & dn	225S12C		
						4.56 & up			
	1975 - 1985	Dana 70 HD	10.5"	1.50"	35	4.10 & dn	225SL58B*		14032-010
						4.56 & up	225SL58A*		14033-010
	1983 - 1997	Dana 70-U-1,2	10.5"	1.50"	35	4.10 & dn	225SL58D*		14032-010
						4.56 & up	225SL58C*		14033-010
1985 - 2019	Ford	10.25"/10.5"	1.50"	35	All	225SL56A*	915A550*	19694-010*	
1996 - 2016	Dana 80	11.5"	1.60"	37	3.73 & dn		916A566		
					4.10 & up	225SL105A*	916A427*		
1998 - 2016	Dana 80	11.5"	1.50"	35	3.73 & dn		915A567		
					4.10 & up	225SL131A*	915A450*		
1998 - 2011	Dana S135	14.25"	1.84"	36	4.63- 5.38	250SL166			
<b>General Motors Half-Ton Truck</b>									
FRONT	1977 - 1988	GM 10 bolt	8.5"	1.20"	28	2.73 & up	187C149A	912A557*	19557-010*
	1967 - 1980	Dana 44	8.5"	1.31"	30	3.73 & dn	187SL16D	913A591	19977-010
						3.92 & up	187SL16C	913A592	19969-010
	1988 - 1991	GM 10 bolt	8.5"	1.30"	30	2.73 & up	187C148A*		19559-010*
	1988 - 2002	GM 10 bolt	7.5"/7.6"	1.20"	28	3.23 & up	162C59A	912A317	19599-010
	1982 - 1989	GM 10 bolt C-Clip	7.5"	1.16"	26	3.23 & up	162C58A	911A319	19663-010
						3.08 & dn		911A415	
	2002 - 2010	GM 10 bolt C-Clip	8"	1.20"	28	All		912A654	
	1988 - 2013	GM 10 bolt C-Clip	8.5"/8.6"	1.32"	30	2.73 & up	187C148A*	913A481*	19559-010*
	1972 - 1989	GM 10 bolt C-Clip	8.5"	1.20"	28	2.73 & up	187C149A*	912A556*	19557-010*
1964 - 1982	GM 12 bolt C-Clip	8.875"	1.30"	30	3.73 & up	187C150A*	913A315*	19556-010*	
					2.76-3.42			19587-010	
1981 - Current	GM 14 bolt C-Clip	9.5"	1.37"	33	All	225C135A	914A538†	19590-010	
2014 - Current	GM 12 Bolt	9.5"/9.76"		33	3.42, 3.73		<b>NEW</b> 917A732*		
†Beam axle only.									
<b>General Motors Three Quarter-Ton Truck</b>									
FRONT	1977 - 1989	GM 10 bolt	8.5"	1.20"	28	2.73 & up	187C149A*	912A557*	19557-010*
	1988 - 1991	GM 10 bolt	8.5"	1.31"	30	2.73 & up	187C148A		19559-010*
						3.92 & up	187SL16C	913A592	19969-010
	1967 - 1980	Dana 44	8.5"	1.31"	30	3.73 & dn	187SL16D	913A591	19977-010
	1975 - 1991	Dana 60 HD	9.75"	1.50"	35	4.10 & dn	225SL29B	915A387	14022-010
						4.56 & up	225SL29A	915A388*	14023-010
	1988 - 2007	GM 10 bolt C-Clip Van	8.5"/8.6"	1.32"	30	2.73 & up	187C148A*	913A481*	19559-010*
	1978 - 1989	GM 10 bolt C-Clip Van	8.5"	1.20"	28	2.73 & up	187C149A*	912A556*	
	1981 - 2012	GM 14 bolt C-Clip	9.5"	1.37"	33	All	225C135A	914A538	19590-010
	1972 - 2012	GM 14 bolt	10.5"	1.50"	30	4.10 & dn	225S10*	915A545	19689-010
1972 - 2012	GM 14 bolt	10.5"	1.50"	30	4.56 & up	225S10*	915A547	19610-010*	
					4.10 & dn	225SL19B	913A389	14020-010	
1973 - 1991	Dana 60	9.75"	1.31"	30	4.56 & up	225SL19A	913A390	14021-010	
					4.10 & dn			14024-010	
Custom	Dana Super 60	9.75"	1.70"	40	4.10 & dn			14024-010	
Custom	Dana Super 60	9.75"	1.70"	40	4.56 & up			14025-010	
2001 - 2019	AAM	11.5"		30	All	250SL195A	915 568		

\*See the notes section regarding specific installation notes for this differential.



# Differentials Truck, SUV, Van and Chassis

Model Year	Axle Description	Ring Gear Diameter	Axle Shaft Diameter	Spline Count	Gear Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
<b>General Motors One-Ton Truck, Van, Cab &amp; Chassis, Motor Home and Bus</b>									
FRONT	1977 - 1987	Dana 60 HD	9.75"	1.50"	35	4.10 & dn	225SL29B	915A387	14022-010
						4.56 & up	225SL29A	915A388	14023-010
	1988 - 2012	GM 14 bolt C-Clip	9.5"	1.37"	33	All	225C135A	914A538	19590-010
	1973 - 2012	GM 14 bolt	10.5"	1.50"	30	4.10 & dn	225S10*	915A545	19689-010
						4.56 & up	225S10*	915A547	19610-010*
	1973 - 2005	Dana 70 HD with 4" diameter axle tubes							
		FLAT STYLE CAB	10.5"						
		5/8" pinion offset		1.50"	35	4.10 & dn	225SL58B		14032-010
		5/8" pinion offset		1.50"	35	4.56 & up	225SL58A		14033-010
	1988 - 1989	Dana 70-3U HD w/3.5" diameter axles tubes							
		AERODYNAMIC CAB	10.5"						
		5/8" pinion offset		1.50"	35	3.21, 3.42	225SL58A		14032-010
	1984 - 1986	Dana 70U	10.5"	1.50"	35	4.10 & dn	225SL58D		14032-010
	1979 - 1980	Dana 70B	10.5"			4.56 & up	225SL58C		14033-010
	2001 - 2019	AAM	11.5"	1.55"	30	All	250SL195A	915A568	
<b>GM One-Ton HD Truck</b>									
1992 - 2007	Dana 80	11.5"	1.60"	37	4.10 & up	225SL105A	916A427		
					3.73 & dn		916A566		
to	1986	GM 11000 lb	12"	1.75"	27	All	250S27		
		Rockwell 100/102/200		1.62"	16	All	225S15		
2001 - 2012	AAM	11.5"	1.55"	30	All	250SL195A	915A568		
<b>Jeep Cherokee, Grand Cherokee, Liberty, Post Office Truck, Scrambler, Wagoneer and Wrangler</b>									
FRONT	1971 - 2006	Dana 30	7.2"	1.16"	27	3.54 & dn	162SL60A*	912A584*	19817-020*
						3.73 & up	162SL60B*	912A585*	19818-020*
	Custom	Dana Super 30			30	3.73 & up			19819-020*
	1970 - 2009	Dana M-44-IF, IFHD	8.5"	1.31"	30	3.73 & dn	187SL16D*	913A591*	19977-010
						3.92 & up	187SL16C*	913A592*	19969-010
	2007 - 2018	Dana 30 Wrangler JK	7.2"	1.16"	27	3.54 & dn		912A584*	19817-020*
						3.73 & up		912A585*	19818-020*
	2018- Current (Non-Rubicon)	Dana 30 Wrangler JL	M186		27	3.73 & up			19818-020
		Dana 44 Wrangler JL	M210		32	All			<b>NEW</b> 14234-1*
	2020- Current (Non-Rubicon)	Dana 44 Gladiator JT	M210		32	All			<b>NEW</b> 14234-1*
	1997 - 2011	Chrysler C-Clip	8.375"	1.21"	29	All	187C179A	912A553	
	1991 - 1996	Chrysler C-Clip	8.375"	1.17"	27	All	187C151A		
	1984 - 2009	Dana 35 C-Clip	7.56"	1.18"	27	3.54 & up	162C56A	912A569	19821-020*
	1985 - 1989	Dana 35 non C-Clip	7.56"	1.18"	27	3.54 & up	162C56A	912A569	19821-020*
	Custom	Dana Super 35	7.56"		30	3.54 & up	162C66A*		19822-020*
2007 - 2018	Dana 44 Wrangler JK (Non-Rubicon)	8.5"	1.31"	30	All		913A589	19977-010	
1997 - 2006	Wrangler Dana 44	8.5"	1.31"	30	3.73 & dn	187SL16D*	913A589*	19977-010	
1971 - 2006	Various Dana 44	8.5"	1.31"	30	3.92 & up	187SL16C*	913A590*	19969-010	
		8.5"	1.31"	30	3.73 & dn	187SL16D*	913A589*	19977-010	
Custom	Dana Super 44	8.5"	1.36"	33	3.92 & up	187SL192A*			
1974 - 1987	Dana M60-3R	9.75"	1.31"	30	4.10 & dn	225SL19B	913A389	14020-010	
					4.56 & up	225SL19A	913A390	14021-010	

\*See the notes section regarding specific installation notes for this differential.

# Differentials Truck, SUV, Van and Chassis

Model Year	Axle Description	Ring Gear Diameter	Axle Shaft Diameter	Spline Count	Gear Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
<b>Jeep Cherokee, Grand Cherokee, Liberty, Post Office Truck, Scrambler, Wagoneer and Wrangler (Continued)</b>									
1976 - 1986	AMC 20	8.875"	1.27"	29	3.08 & up 2.73 & dn	187SL47A	912A579		
2018 - Current (Non-Rubicon)	Dana 35 Wrangler JL	M200		29	All				NEW 14244-1*
	Dana 44 Wrangler JL	M220		32	All				NEW 14234-1*
2020 - Current (Non-Rubicon)	Dana 44 Gladiator JT	M220		32	All				NEW 14234-1*
<b>Hummer H1, H2 and H3</b>									
	AMC IFS				3.08 & up	187SL47A			
	AMC IRS				3.08 & up	187SL47A	912A579		
	H1 (military/other)	8.875"	1.27"	29	2.73 & dn				
2003 - 2009	H2	9.5"	1.37"	33	All	225C135A	914A538	19590-010	
2006 - 2009	H3	8.6"	1.32"	30	2.73 & up	187C148A	913A481	19559-010	19659-010
<b>International Harvester 100/1100, 4x4 Half-Ton Pickup, Scout I &amp; II, Traveler, Metro Van</b>									
FRONT	1967 - 1977	Dana 30	7.2"	1.16"	27	3.54 & dn	162SL60A*	912A584*	19817-020*
						3.73 & up	162SL60B*	912A585*	19818-020*
FRONT	1973 - 1980	Dana 44	8.5"	1.31"	30	3.92 & up	187SL16C	913A592	19969-010
						3.73 & dn	187SL16D	913A591	19977-010
FRONT	1967 - 1980	Dana 44	8.5"	1.31"	30	3.92 & up	187SL16C	913A590	19969-010
						3.73 & dn	187SL16D	913A589	19977-010
<b>Isuzu Rodeo</b>									
FRONT	1993 - 2000	Dana 44	8.5"/9"	1.31"	30	3.73 & dn	187SL16D	913A589	19977-010
						3.92 & up	187SL16C	913A590	19969-010
FRONT	1989 - 1993	GM 10 Bolt	7.5"	1.20"	28	3.23 & up	162C59A	912A317	
<b>Land Rover - Rover Type and Salisbury</b>									
FRONT	1993 - 2000	Rover Type	1.24"	24	3.54	187SL173A*	912A407*		
FRONT	1985 - 1993	Rover Type	1.11"	10	3.54				
FRONT	1993 - 2000	Salisbury 8HA	1.24"	24	3.54	225SL36			
FRONT	1993 - 2000	Rover Type	1.24"	24	3.54	187SL173A*	912A383*		
FRONT	1985 - 1993	Rover Type	1.11"	10	3.54				
FRONT		Salisbury 8HA	1.24"	24	3.54	225SL36			
FRONT		Salisbury Defender		24	4.10 & dn				
<b>Nissan Titan, Truck, Xterra and Frontier</b>									
FRONT	2003 - 2007	Titan M226	1.38"	32	All			913A582*	
FRONT		H233	1.25"	31	All	187SL167A			
FRONT	2005 - 2007	Xterra M226 x/manual trans.	1.38"	32	All			913A582*	
FRONT	2005 - 2007	Frontier w/M226 option	1.38"	32	All			913A582*	
<b>Saab: 9-7x</b>									
FRONT	2005.5-2007	8.6"	1.32"	30	2.73 & up	187C148A	913A481	19559-010	19659-010

\*See the notes section regarding specific installation notes for this differential.



# Differentials Truck, SUV, Van and Chassis

Model Year	Series	Axle	Type	Ring Gear Dia.	Spline	Gear Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
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## Toyota - FJ Cruiser

FRONT	2005- 2014	Front	Independent	-	30	3.73 & Dn				NEW 14219-1*
					30	3.91 & Up				NEW 14221-1*
	2005- 2009	Rear	Beam	8"	30	-	187SL61B	913A610		NEW 14211-1*
	2010- 2014	Rear	Beam	8.2"	30	-				NEW 14215-1*

## Toyota - 4Runner

FRONT	1984- 1985	Front	Beam	8"	30	-	187SL61A	913A609		NEW 14211-1*	
	1986- 1995	Front	Independent	7.5"	27	-		911A445		NEW 14220-1*	
	1996- 2002	Front	Independent	7.5"	27	-		911A342*		NEW 14218-1*	
	2003- Current	Front	Independent	-	30	3.73 & Dn					NEW 14219-1*
						3.91 & Up					NEW 14221-1*
	1984- 2009	Rear	Beam	8"	30	-	187SL61B	913A610			NEW 14211-1*
2010- Current	Rear	Beam	8.2"	30	-					NEW 14215-1*	

## Toyota - Land Cruiser

FRONT	1969- 1999	40, 60, 70 Series	Front	Beam	9.5"	30	-	187C152A			NEW 14212-1‡	
	1990- 2015	70 Series	Front	Beam	8"	30	-	187SL61B			NEW 14211-1*	
	1990- 1997	80 Series	Front	Beam	8"	30	-	187SL61B			NEW 14211-1*	
	1996- 2002	90 Series	Front	Independent	7.5"	27	-				NEW 14218-1*	
	1998- 2007	100 Series	Front	Independent	-	30	-				NEW 14214-1	
	1998- 2007	105 Series	Front	Beam	8"	30	-	187SL61B			NEW 14211-1*	
	2002- 2009	120 Series	Front	Independent	-	30	3.73 & Dn					NEW 14219-1*
							3.91 & Up					NEW 14221-1*
	2009- 2018	150 Series	Front	Independent	-	30	3.73 & Dn					NEW 14219-1*
							3.91 & Up					NEW 14221-1*
	2007- 2018	200 Series	Front	Independent	-	34	-					NEW 14217-1*
	1969- 1999	40, 60, 70 Series	Rear	Beam	9.5"	30	-	187C152A				
	1969- 1999	40, 60, 70 Series	Rear	Beam	9.5"	30	-					NEW 14212-1‡
												NON-C-Clip
	1999- 2015	70 Series	Rear	Beam	9.5"	32	-					NEW 14213-1
	1990- 1997	80 Series	Rear	Beam	9.5"	30	-					NEW 14212-1‡
												NON-C-Clip
	1996- 2002	90 Series	Rear	Beam	8"	30	-	187SL61B	913A610			NEW 14211-1*
	1998- 2007	100 Series	Rear	Beam	9.5"	32	-					NEW 14213-1
	1998- 2007	105 Series	Rear	Beam	9.5"	32	-					NEW 14213-1
2002- 2009	120 Series	Rear	Beam	8"	30	-	187SL61B	913A610			NEW 14211-1*	
2009- 2018	150 Series	Rear	Independent	8.2"	30	-					NEW 14215-1*	
2007- 2018	200 Series	Rear	Beam	9.5"	32	-					NEW 14213-1	

‡ Only fits imported models with non-C-Clip axle designs.

\* See the notes section regarding specific installation notes for this differential.

# Differentials Truck, SUV, Van and Chassis

Model Year	Series	Axle	Type	Ring Gear Dia.	Spline	Gear Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
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## Toyota - Tacoma

FRONT	1995- 2004	Front	Independent	7.5"	27	-		911A342*		NEW 14218-1*
	2005- Current	Front	Independent	8"	30	3.73 & Dn 3.91 & Up				NEW 14219-1* NEW 14221-1*
	1995- 2015	Rear	Beam	8.4"	30	-	187SL199A	913A541		NEW 14216-1*
	2016- Current	Rear	Beam	8"	30	-				NEW 14211-1*
	2016- Current	Rear	Beam	8.9"	32	-				NEW 14235-1*

## Toyota - T100 Pickup

FRONT	1993- 1998	Front	Independent	7.5"	27	-		911A445		NEW 14220-1*
		Rear	Beam	8.4"	30	-	187SL199A	913A541		NEW 14216-1*

## Toyota - Tundra

FRONT	1999- 2006	Front	Independent	7.5"	27	-				NEW 14218-1*
	2007- Current	Front	Independent	8"	34	-				NEW 14217-1*
	1999- 2006	Rear	Beam	8.4"	30	-	187SL199A	913A541		NEW 14216-1*
	2007- Current (4.7L V8)	Rear	Beam	9.5"	32	-				NEW 14213-1
	2007- Current (5.7L V8)	Rear	Beam	10.5"	36	-				NEW 14232-1*

## Toyota - Sequoia

FRONT	2001- 2007	Front	Independent	7.5"	27	-		911A342*		NEW 14218-1*
	2001- 2007	Rear	Beam	8.4"	30	-	187SL199A	913A541		NEW 14216-1*

## Toyota - Pickup ("Mini")

FRONT	1979- 1985	Front	Beam	8"	30	-	187SL61A	913A609		NEW 14211-1*
	1986- 1995	Front	Independent	7.5"	27	-		911A445		NEW 14220-1*
	1979- 1985	Rear	Beam	8"	30	-	187SL61A	913A611		NEW 14211-1*
	1986- 1995	Rear	Beam	8"	30	-	187SL61B	913A610		NEW 14211-1*

\*See the notes section regarding specific installation notes for this differential.



### Work Truck / Towing

When uptime is important, choose Eaton Performance differentials. Mud, sand and stones will be no match for your work truck or toy hauler.



### Trail and Sand Sports

Looking to dig into rugged terrain or sandy trails? Equip your vehicle with the necessary traction device to power through the difficult spots.



### Rock Crawling

If you're taking your rig on the rocks, chances are wheels will be in the air. Choose our automatically engaging or driver-selectable products to ensure you do not end up stranded in mother nature.



### Extreme Off-Road

Extreme vehicles require the most capable, durable products. When fans, friends and sponsors are relying on you - why select any other product than the best? Choose Eaton performance differentials - engineered by the experts in driveline for more than 100 years.



# Differentials Special Applications

Model Year	Axle Description	Ring Gear Diameter	Axle Shaft Diameter	Spline Count	Gear Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
<b>Performance</b>									
	Dana 30, Volvo/RWD	7.2"	1.15"	27	3.73 & up		912A588		
	Dana Super 35	7.56"	1.15"	30	3.54 & up	162C66A*			19822-020*
	Chrysler	8.75"	1.20"	30	2.76- 5.57	187SL14A	913A572		
	Chrysler	8.75"	1.31"	33	2.76- 4.56		914A583*		
	Dodge Viper			30			913A614		
	Dana Super 44	8.5"/9"	1.36"	33	3.92 & up	187SL192A*			
	GM 12 Bolt car	8.875"	1.29"	33	3.08- 3.90		914A576*		
	GM 12 Bolt car	8.875"	1.29"	33	4.10 & up		914A575*		
	Ford	8.8"		33	All		913A701		
	Ford	9"	1.50"	35	3.25 & up	187S160A	914A690		
	Dana 60 rear	9.75"	1.50"	35	4.10 & dn		915A385		14022-010
					4.56 & up		915A386		14023-010
	Dana Super 60	9.75"	1.70"	40	4.10 & dn				14024-010
					4.56 & up				14025-010
	Dana 70	10.5"	1.50"	40	4.10 & dn	225SL205A			14034-010
					4.56 & up				

## Circle Track

	Ford 9" CTR only	1.32"	31	All exc. 2.72	R18703A				
	Ford 9" 2.00 large bearing	1.32"	31	All	R18715A (was R18707A)				

\*See the notes section regarding specific installation notes for this differential.



### Circle Track

In circle track racing, every little advantage counts. Eaton offers the lightest, most durable differentials to provide power through the nail-biting left turns and wide-open straightaways.



# Differential Install Notes

This section provides important information about specific requirements needed to properly fit the differential in the vehicle. Please visit [eatonperformance.com/installation](http://eatonperformance.com/installation) for the latest notes and updates.

Part Number	Differential Notes
14023-010	For use with non-thick ring gears only.
14211-1	14211-1: For use with 10 bolt ring gear design. On 2016+ Toyota Tacoma, fits 8.0" ring gear, automatic transmission, <b>not</b> equipped with factory locker.
14212-1	In Toyota Land Cruiser applications, only fits models with non-C-clip axle designs (non-USA model).
14215-1	Housing may require relief grinding to properly seat electro-magnet. 33mm output shaft or manual locking hubs for '09-'18 Land Cruiser 150 series rear axle.
14216-1	For use with 12 bolt ring gear design.
14217-1	Clamshell style housing only.
14218-1	Front application only. Large hub bearing diameter (50 mm) uses Toyota bearing #90368-50006. Clamshell style housing only.
14219-1	Clamshell style housing only, housing may require relief grinding to properly seat electro-magnet.
14220-1	Non clamshell style housing only.
14221-1	Clamshell style housing only, housing may require relief grinding to properly seat electro-magnet.
14232-1	Toyota Tundra: 5.7L V8, only works with housings <b>not</b> equipped with OE electric lockers.
14234-1	The stator must be removed for clearance prior to installing the ring gear. Stator must be removed and reinstalled in the follow order: (1) Ring Gear, (2) Stator Assembly, (3) Bearing.
14235-1	Tacoma 2016+: All manual transmissions and factory locker equipped trucks.
14244-1	The stator must be removed for clearance prior to installing the ring gear. Stator must be removed and reinstalled in the follow order: (1) Ring Gear, (2) Stator Assembly, (3) Bearing.
162C66A	Bearing LM102949 and race LM102911 and unique outboard shims are required.
162SL60A	Applies to non-axle disconnect style housing only.
162SL60B	Applies to non-axle disconnect style housing only.
187C145A	4.56 and numerically higher gear ratios require relief grinding on ring gear tooth crown for proper installation.
187C147A	4.56 and numerically higher gear ratios require relief grinding on ring gear tooth crown for proper installation.
187C148A	All Eaton differentials made for General Motors 8.5" and 8.6" axles require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM102949 and race LM102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999-2013, bearing LM603049 and race LM603012 are required.
187C149A	All Eaton differentials made for General Motors 8.5" and 8.6" axles require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM102949 and race LM102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999-2013, bearing LM603049 and race LM603012 are required.
187SL16C	Applies to non-axle disconnect style housing only. For use with non-thick ring gears only. Not for use with factory JK and later housings.
187SL16D	Applies to non-axle disconnect style housing only. For use with non-thick ring gears only. Not for use with factory JK and later housings.
187SL173A	Front axle serial numbers 49L11363C or 57L05188B and later, Rear axle serial numbers 35S18135C or 37S08651B and later
187SL192A	For use with Super Dana 44 housing only. Bearing LM104949 and race LM104912 are required.
187SL61B	32010X bearing allows 913A610 in place of 913A611.
19556-010	All Eaton differentials made for General Motors 8.5" and 8.6" axles require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM102949 and race LM102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999-2013, bearing LM603049 and race LM603012 are required.



# Differential Install Notes

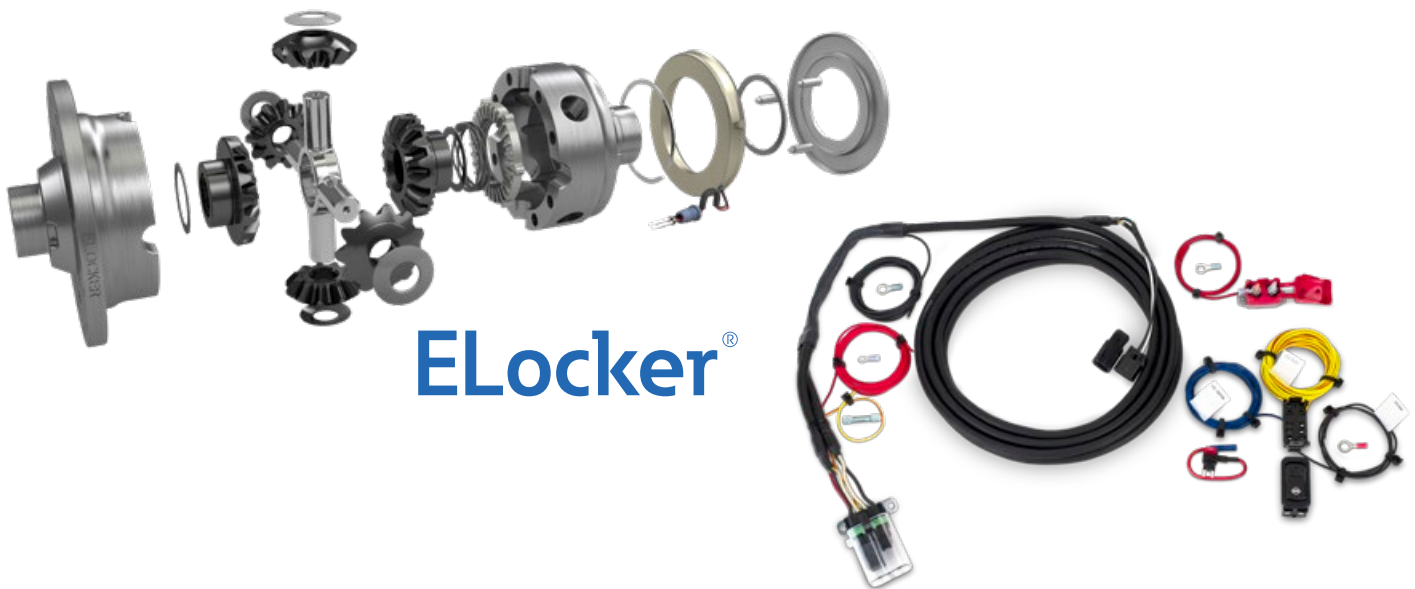
This section provides important information about specific requirements needed to properly fit the differential in the vehicle. Please visit [eatonperformance.com/installation](http://eatonperformance.com/installation) for the latest notes and updates.

Part Number	Differential Notes
19557-010	All Eaton differentials made for General Motors 8.5" and 8.6" axles require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM102949 and race LM102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999-2013, bearing LM603049 and race LM603012 are required. Manual locking hubs recommended for front axle applications.
19559-010	All Eaton differentials made for General Motors 8.5" and 8.6" axles require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM102949 and race LM102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999-2013, bearing LM603049 and race LM603012 are required. Manual locking hubs recommended for front axle applications.
19659-010	All Eaton differentials made for General Motors 8.5" and 8.6" axles require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM102949 and race LM102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999-2013, bearing LM603049 and race LM603012 are required. Manual locking hubs recommended for front axle applications.
19686-010	Factory housings containing open differentials requires require relief grinding for installation.
19694-010	Full float applications only.
19817-010	Bearing LM102949 and race LM102911 and outboard shims are required.
19818-010	Bearing LM102949 and race LM102911 and outboard shims are required.
19819-010	Bearing LM102949 and race LM102911 and outboard shims are required.
19821-010	Bearing LM102949 and race LM102911 are required.
19822-010	Bearing LM102949 and race LM102911 are required.
225S10	225S10 differential replaces the conventional (non-locking) differential internals only. Removal of thrust washers is required.
225SL105A	Will fit OE 3.73 thin gear sets.
225SL131A	Will fit OE 3.73 thin gear sets.
225SL29A	For use with non-thick ring gears only.
225SL56A	Full float applications only.
910A400	Rear axle serial numbers and later: Range Rover - suffix F, 88 - suffix G, 109 V8/1 ton - (Salisbury standard), 109 4 cyl. ¾ ton - (Salisbury optional).
911A342	Front application only. Large hub bearing diameter (50 mm) uses Toyota bearing #90368-50006. Will not fit clamshell housing.
911A445	1986-1988 7.5" independent front suspension. Will not fit selector disconnect "shift on the fly". Small hub bearing diameter (45 mm) applications only.
912A383	Rear axle serial numbers 35S18135C or 37S08651B and later.
912A407	Front axle serial numbers 49L11363C or 57L05188B and later.
912A556	All Eaton differentials made for General Motors 8.5" and 8.6" axles require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM102949 and race LM102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999-2013, bearing LM603049 and race LM603012 are required. Manual locking hubs recommended for front axle applications.
912A557	All Eaton differentials made for General Motors 8.5" and 8.6" axles require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM102949 and race LM102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999-2013, bearing LM603049 and race LM603012 are required. Manual locking hubs recommended for front axle applications.
912A584	Applies to non-axle disconnect style housing only.
912A585	Applies to non-axle disconnect style housing only.
912A616	Bearing LM102949 and race LM102910 are required.

# Differential Install Notes

This section provides important information about specific requirements needed to properly fit the differential in the vehicle. Please visit [eatonperformance.com/installation](http://eatonperformance.com/installation) for the latest notes and updates.

Part Number	Differential Notes
913A481	All Eaton differentials made for General Motors 8.5" and 8.6" axles require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM102949 and race LM102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999-2013, bearing LM603049 and race LM603012 are required. Manual locking hubs recommended for front axle applications.
913A555	Designed to fit axles cut with 45-degree pressure angles.
913A582	All vehicles equipped with OE Electric Locker option require axle shaft relief grinding for proper fit.
913A589	For use with non-thick ring gears only.
913A590	For use with non-thick ring gears only.
913A591	Applies to non-axle disconnect style housing only.
913A592	Applies to non-axle disconnect style housing only.
913A609	Small hub bearing diameter (45 mm) application only.
913A610	32010X bearing allows 913A610 in place of 913A611.
913A701	For non-c-clip applications only.
914A575	Detroit Truetrac, 33-spline units for this application are designed to fit axles cut with 45-degree pressure angles.
914A576	Detroit Truetrac, 33-spline units for this application are designed to fit axles cut with 45-degree pressure angles.
914A583	Detroit Truetrac, 33-spline units for this application are designed to fit axles cut with 45-degree pressure angles.
914A643	2007 and newer vehicles require model years 2003-2006 ring and pinion.
914A690	For use with 3.25" bearing bore (aftermarket housing).
915A388	For use with non-thick ring gears only.
915A450	Will fit OE 3.73 thin gear sets.
915A550	Full float applications only.
916A427	Will fit OE 3.73 thin gear sets.
917A732	Factory oil drain plug may require relief grinding for correct fitment.



# Eaton Posi Service Kits



DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19663-010</b> GM 7.5"	Disc & Shim Kit	Carbon discs, guides, shims	29417-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19599-010</b> GM 7.625"	Disc & Shim Kit	Carbon discs, guides, shims	29417-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19686-010</b> GM 8.2"	Disc & Shim Kit	24 steel discs, guides, shims	29402-00S
		18 steel discs, guides, shims	29403-00S
		Carbon discs, guides, shims	29426-00S
	Preload Kit (200#)	Springs, plates	29589-00S
(400#)	Springs, plates	29590-00S	
(800#)	Springs, plates	29591-00S	

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19670-010,</b> GM 8.2"	Disc & Shim Kit	24 steel discs, guides, shims	29402-00S
		18 steel discs, guides, shims	29403-00S
		Carbon discs, guides, shims	29426-00S
	Preload Kit (200#)	Springs, plates	29589-00S
(400#)	Springs, plates	29590-00S	
(800#)	Springs, plates	29591-00S	

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19674-010</b> GM 8.2"	Disc & Shim Kit	24 steel discs, guides, shims	29402-00S
		18 steel discs, guides, shims	29403-00S
		Carbon discs, guides, shims	29426-00S
	Preload Kit (200#)	Springs, plates	29589-00S
(400#)	Springs, plates	29590-00S	
(800#)	Springs, plates	29591-00S	

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19603-010</b> GM 8.2"	Disc & Shim Kit	24 steel discs, guides, shims	29402-00S
		18 steel discs, guides, shims	29403-00S
		Carbon discs, guides, shims	29426-00S
	Preload Kit (200#)	Springs, plates	29589-00S
(400#)	Springs, plates	29590-00S	
(800#)	Springs, plates	29591-00S	

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART #
<b>19557-010</b> GM 8.2"	Disc & Shim Kit	24 steel discs, guides, shims	29402-00S
		18 steel discs, guides, shims	29403-00S
		Carbon discs, guides, shims	29426-00S
	Preload Kit (200#)	Springs, plates	29589-00S
(400#)	Springs, plates	29590-00S	
(800#)	Springs, plates	29591-00S	

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19559-010</b> GM 8.5"	Disc & Shim Kit	24 steel discs, guides, shims	29402-00S
		18 steel discs, guides, shims	29403-00S
		Carbon discs, guides, shims	29426-00S
	Gear Service Kit	Side gear, pinion gears, washers, shaft screw	29411-00S
Preload Kit (200#)	Springs, plates	29589-00S	
(400#)	Springs, plates	29590-00S	
(800#)	Springs, plates	29591-00S	



# Eaton Posi Service Kits

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19587-010,</b> <b>19556-010,</b> <b>19554-010,</b> <b>19555-010</b> GM 8.875"	Disc & Shim Kit	24 steel discs, guides, shims 18 steel discs, guides, shims Carbon discs, guides, shims	29402-00S 29403-00S 29426-00S
	Gear Service Kit	Side gear, pinion gears, washers, shaft screw	29412-00S
	Preload Kit (200#) (400#) (800#)	Springs, plates Springs, plates Springs, plates	29589-00S 29590-00S 29591-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19689-010,</b> <b>19610-010</b> GM 10.5"	Disc & Shim Kit	Carbon discs, guides, shims	29408-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19605-010</b> Ford 8.8"	Disc & Shim Kit	24 steel discs, guides, shims 18 steel discs, guides, shims Carbon discs, guides, shims	29402-00S 29403-00S 29426-00S
	Preload Kit (200#) (400#) (800#)	Springs, plates Springs, plates Springs, plates	29589-00S 29590-00S 29591-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19627-010</b> Ford 9.75"	Disc & Shim Kit	Carbon discs, guides, shims	29418-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19614-010</b> Toyota Truck/SUV	Disc & Shim Kit	Carbon discs, guides, shims	29422-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19590-010,</b> GM 9.5"	Disc & Shim Kit	Carbon discs, guides, shims	29418-00S
	Gear Service Kit	Side gear, pinion gears, washers, shaft screw	29416-00S

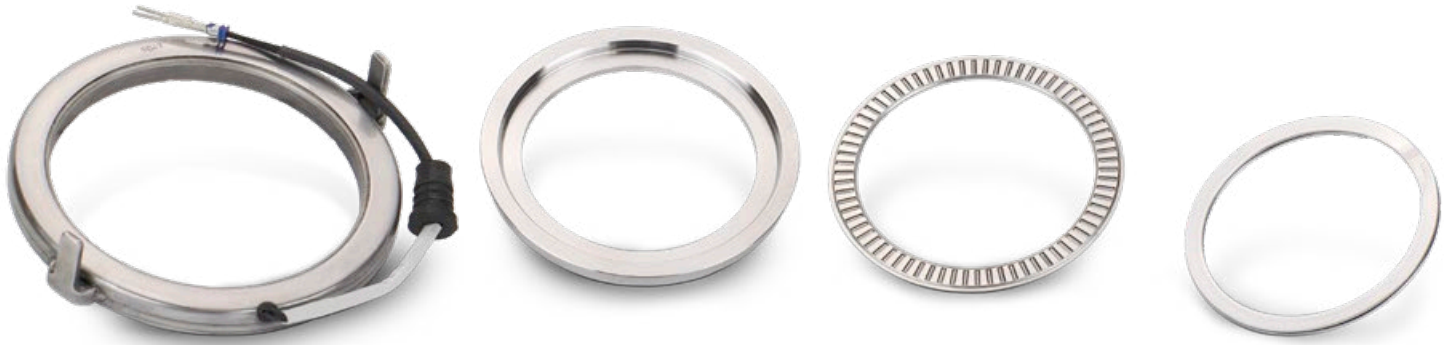
DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19588-010</b> Ford 8.8"	Disc & Shim Kit	24 steel discs, guides, shims 18 steel discs, guides, shims Carbon discs, guides, shims	29402-00S 29403-00S 29426-00S
	Preload Kit (200#) (400#) (800#)	Springs, plates Springs, plates Springs, plates	29589-00S 29590-00S 29591-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19694-010</b> Ford 10.25"/10.5"	Disc & Shim Kit	Carbon discs, guides, shims	29406-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19730-010</b> Dana 60-3 9.75"	Disc & Shim Kit	Carbon discs, guides, shims	29418-00S
	Preload Kit (Q19590-010)	Springs, plates	PS97P20007

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART #
<b>19734-010</b> Dana 60-4 9.75"	Disc & Shim Kit	Carbon discs, guides, shims	29418-00S

# Eaton ELocker Service Kits



DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19659-010</b> GM 8.5"/8.6"	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Gear Service Kit	Side gear, pinion gears, shims, pinion thrust washers, ramp pins, ramp pin retainer, pinion shaft and shaft lock screw	29296-00S
	Locking Mechanism Kit	Ball ramp set, ball bearings, preload springs, thrust bearing, bearing race and retaining ring	29305-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	29393-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19660-010</b> Ford 8.8"	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Gear Service Kit	Side gear, pinion gears, shims, pinion thrust washers, ramp pins, ramp pin retainer, pinion shaft and shaft lock screw	29308-00S
	Locking Mechanism Kit	Ball ramp set, ball bearings, preload springs, thrust bearing, bearing race and retaining ring	29305-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	29393-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19817-010, 19818-010</b>	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	26663-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19817-020, 19818-020</b>	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	26663-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19819-010</b>	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	26663-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19819-020</b>	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	26663-00S

# Eaton ELocker Service Kits

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19821-010</b>	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	26663-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19821-020</b>	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	26663-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19822-010</b>	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	26663-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>19822-020</b>	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	26663-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>Dana 44, 2 Pinion</b>	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Gear Service Kit Dana 44, 30 spline	Side gear, pinion gears, shims, pinion thrust washers, pinion shaft(s) and shaft lock screw	26883-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	26664-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>Dana 44, 4 Pinion</b>	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	26982-00S





# Eaton ELocker Service Kits

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>Various Dana 60 2 Pinion</b>	Universal Wiring Kit	Dash switch, fuse & holder, relay, suppression device, solenoid, wiring harness & connectors and conduit	23249-00S
	Gear Service Kit Dana 60, 35 spline	Side gear, pinion gears, shims, pinion thrust washers, pinion shaft(s) and shaft lock screw	26882-00S
	Stator/Armature Kit	Stator, bearing race, thrust bearing and retaining ring	26665-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>DANA 60/70 4 Pinion</b>	Universal Wiring Kit	Dash Switch, mini-fuse ignition tap, resettable breaker, relay, shunt device, wiring, & connectors	23249-00S
	Stator/Armature Kit	Stator, Armature, (2) Retaining Ring	23281-00S

DIFFERENTIAL	SERVICE KIT TYPE	COMPONENTS	SERVICE KIT PART#
<b>DANA 60/70 2 Pinion</b>	Universal Wiring Kit		23249-00S
	Gear Kit, Dana 60, 35 Spline		26882-00S
	Stator/Armature Kit		26665-00S



# Detroit Truetrac C-Clip Retaining Kits



## Differential part number abbreviation for c-clip kits

The last 3 digits of a product number provides the model number information. For example part number 912A553 would be listed as 553.

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
315	C-Clip Retaining Kit	TT12P10431

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
316	C-Clip Retaining Kit	52742

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
317, 319, 415	C-Clip Retaining Kit	52738

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
368	C-Clip Retaining Kit	52737

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
384, 553	C-Clip Retaining Kit	52735

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
477	C-Clip Retaining Kit	52741

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
481, 556, 557	C-Clip Retaining Kit	52733

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
538	C-Clip Retaining Kit	52743

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
555, 564, 575, 576	C-Clip Retaining Kit	52731

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
569	C-Clip Retaining Kit	52870

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
577	C-Clip Retaining Kit	52785

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
654	C-Clip Retaining Kit	TT70P10537

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
730	C-Clip Retaining Kit	TT12P53093

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
731	C-Clip Retaining Kit	TT70P30640

MODEL	SERVICE KIT TYPE	SERVICE KIT PART#
732	C-Clip Retaining Kit	TT70P10659

# PREVENT FAILURE

## Choose the right oil for your Eaton Performance differential

Selecting the proper oil-type for your differential is very important. Improper lubrication can cause unnecessary wear or even worse-failure. With literally hundreds of options to choose from, the lube aisle at the auto parts store can be overwhelming. The quick tips below will help in finding the correct oil for optimum performance.

### ELocker®

- Most gear oils are sufficient: a quality, petroleum-mineral based oil is recommended.
- Synthetic oils and friction modifiers can also be used, but are not necessary.
- In cold weather conditions, a lower viscosity gear oil (equivalent to API GL-5 75W-90) is recommended.



- Most gear oils are sufficient: a quality, petroleum-mineral based oil is recommended.
- Synthetic oils and friction modifiers can also be used, but are not necessary.



- A quality, petroleum-mineral based, GL5 rated 80w-90 gear oil should be used.
- Synthetic oils are not recommended for Truetrac applications. While some customers have found that synthetic oils works well in this application, Eaton has not confirmed under test conditions that all synthetic oils are compatible with Eaton Truetrac applications.
- Friction modifiers should not be used because they will decrease performance (reduce differential bias).

### Posi®

- A quality, petroleum-mineral based, GL5 rated 80w-90 gear oil should be used.
- It is necessary to add a four-ounce bottle of friction modifier for optimum performance (if friction modifier has not already been added to the petroleum-mineral based gear oil that the customer selects).
- While some customers have found that synthetic oil works well in this application, Eaton has not confirmed under test conditions that all synthetic oils (with added friction modifier) are compatible with Eaton Posi applications.

## What is the standard warranty? Do I need to break-in my unit?

Find answers to all of your  
questions at:

[www.EatonPerformance.com](http://www.EatonPerformance.com)



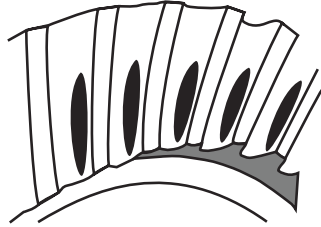
# Shimming for a Pattern

## Shimming for a pattern



### Ideal Contact

Pattern is spread evenly over the tooth's profile with concentration nearer toe than heel.



### Competition Contact

Pattern concentrated just up from the toe covering one third to one half of the tooth.



### Heel Contact

Pattern is concentrated off the heel end of the drive gear tooth. Move the ring gear close to the pinion (decrease backlash) while maintaining minimum backlash.



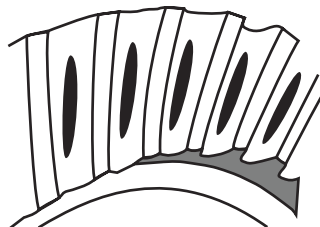
### Toe Contact

Pattern is concentrated off the toe end of the drive gear. Move the ring gear away from the pinion (increase backlash) while maintaining minimum backlash.



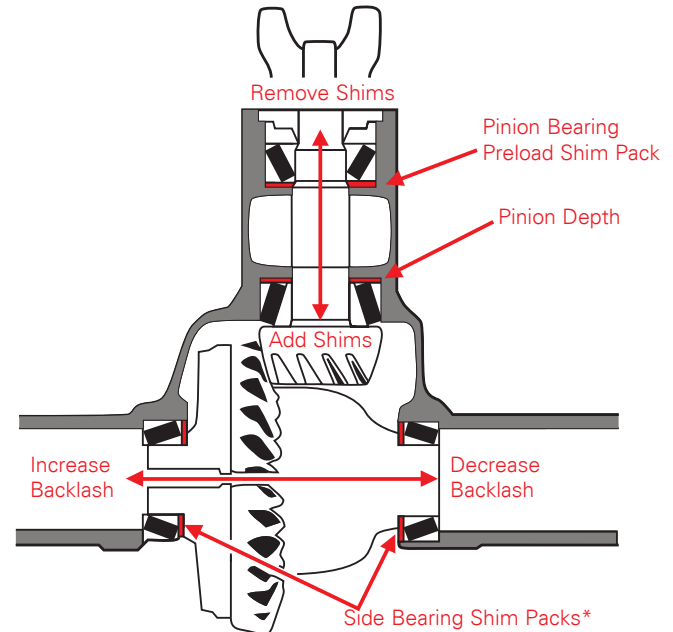
### High Contact

Pattern is concentrated at the crown of the drive gear tooth. Move the pinion deeper in towards the differential carrier (add pinion shim).



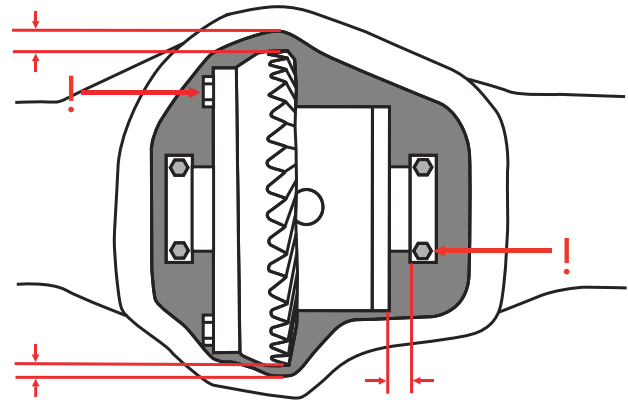
### Low Contact

Pattern is concentrated in the root of the drive gear tooth. Move the pinion out away from the differential carrier (subtract pinion shim).



\*may be out board of bearings, or utilize spanner style adjuster rings

## Verifying Clearance



- While Eaton designs every differential to be a direct fit into every application, we still advise the installer to verify the clearances around the differential
- Although a standard model of differential may fit a particular application, years of revisions to OEM castings and aftermarket axle housing options can create interferences not originally present in the axle's design
- Proper method for checking requires the differential assembly to be rotated in the fully assembled axle. Pay close attention to ring gear bolt heads and areas near the bearings
- Also check clearance to the axle cover – especially with non-original covers

# Superseded Part Numbers

The chart below contains information on new product numbers that have replaced old product numbers.

Current Part #	Old Part #
14020-010	19722-010
14021-010	19737-010
14022-010	19760-010
14023-010	19761-010
19817-020	19817-010
19818-020	19818-010
19819-020	19819-010
19821-020	19821-010
19822-020	19822-010
19969-010	19747-010
19977-010	19695-010
23249-00S	29235-00S
912A557	913A332
912A587	912A459
912A616	912A580
913A481	913A309
913A586	913A382
913A589	913A312
913A590	913A313
913A591	913A334
913A592	913A333
R18706A	187N158A
R18715A	187N178A, R18707A



**Call an Eaton distributor to order your differential today!**



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