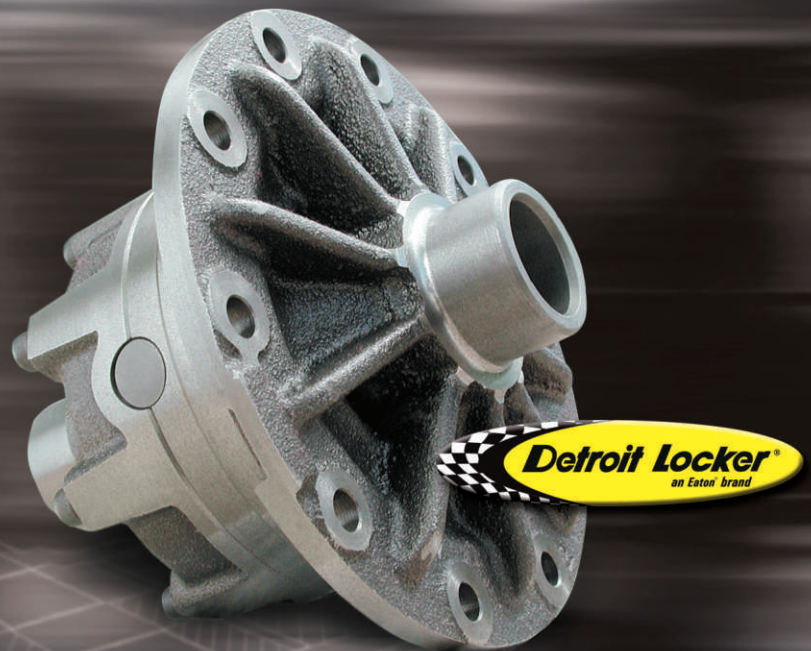




Performance Differentials

Application Guide

April 2008





Performance Differentials

Posi™



The Eaton Posi is the perfect way to control traction in street rods, light duty pickups and everyday drivers.

The Eaton Posi prevents wheel slip before it can get started. To do that, carbon disc clutch packs, preloaded by a central spring assembly, are located behind each differential side gear. When torque input increases the clamping load on the clutch packs increases. That causes the chatter-free clutch packs to grab and transfer power to the other wheel. The Eaton Posi is fully rebuildable with one of our specially formulated clutch kits.

Muscle cars, hot rods and mild off-road vehicles should look to Eaton's limited-slip differential for their traction answers. And the fact is, Eaton's Posi units are virtually bullet proof.

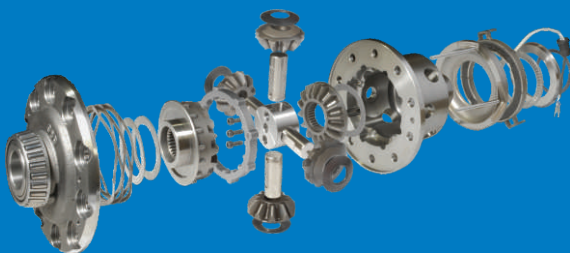
The legendary Detroit Locker began the revolution in performance differentials and still leads the industry today as an Eaton brand. The Detroit Locker is the most durable and dependable locking differential available.

The Detroit Locker maximizes traction by delivering 100% of the torque to both drive wheels. It is engineered to keep both wheels in a constant drive mode, and has the ability to automatically allow wheel speed differentiation when required. Applications are also available for C-Clip style axles.

No other performance differential has the reputation for delivering traction in mud, snow, rocks and on the track. The choice of professional racers and off-road enthusiasts around the world! The durability of the Detroit Locker is unmatched!



ELocker™



The ELocker's electromagnetic locking mechanism is the next generation of aftermarket differential technology. Performs as an open differential until you decide that you need more traction. Eaton ELocker is your push button solution to almost any traction problem.

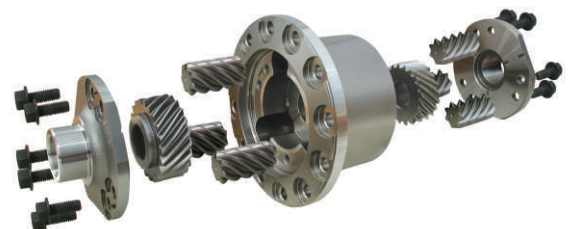
Designed expressly for 4-wheel drive systems to give you the ability to lock or unlock the differentials when necessary. When locked the Eaton ELocker performs as a full locker, capturing 100% of available torque and sending it equally to both ends of the axle.

The ELocker is built with precision-forged gears that are designed to mesh perfectly, providing improved strength and durability over a standard cut gear. Its ease of installation, reliability and push-button activation make ELocker an absolute must for all traction and off-road performance applications.

Eaton's Detroit Truetrac was the first helical gear differential ever introduced into the automotive aftermarket. It remains the leading helical gear-type limited slip differential in the industry. Detroit Truetrac's proven helical gear design eliminates the need for wearable parts, resulting in maintenance free traction. Recognized not only for its durability but also it's smooth and quiet operation.

Engineered to work efficiently in front and rear axles, semi-floating (C-clip axles) and transfer cases. Power transfer is so smooth, it literally goes unnoticed by the driver - even in front wheel drive axles.

Proven design and effective performance, all make the Detroit Truetrac limited slip differential the ideal choice for a wide variety of vehicle applications. No maintenance - Just Traction!





- 100% Automatic Locking
- Wheel Speed Sensitive
- Legendary Traction
- Unmatched Durability



- Helical Gear
- Torque Biasing
- Smooth & Automatic
- Improved Design



Posi™

- Carbon Friction Technology
- Precision-Forged Gears
- Automatic
- Rebuildable

ELocker™



- Push Button
- Maintenance Free
- Driver Controlled
- Servicable

	Year	Description	Axle Shaft Dia.-Spline	Ring Gear Pinion Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
CHEVROLET/GMC								
REAR								
		Camaro ● Chevelle ● Corvette ● Grand National ● Nova ● Car						
	1964-72	GM 12 bolt car 8.875"	1.29" 30	3.08-3.90	187C197A	913A555 (pa)	19554-010	
	1964-72	GM 12 bolt car 8.875"	1.29 30	4.10 & up			19555-010	
	1964-72	GM 12 bolt car 8.875"	1.41" 33	3.08-3.90	187C198A	914A576 (pa)		
	1964-72	GM 12 bolt car 8.875"	1.41" 33	4.10 & up		914A575 (pa)		
		GM 12 bolt car 8.875"	1.50" 35	3.08-3.90	187S196A (ch)			
	1955-64	GM 3rd member 8.2"	17	3.90 & dn			19686-010	
	1963-79	GM 10 bolt Corvette 8.5" (cast iron 3rd member)	17	3.08-3.90			19670-010	
			17	4.11-4.56			19673-010	
	1988-96	GM 10 bolt C-Clip 8.5/8.6"	1.32" 30	2.73 & up	187C148A	913A481	19559-010	19659-010
	1971-89	GM 10 bolt C-Clip 8.5"	1.20" 28	2.73 & up	187C149A	912A556	19557-010	
	1964-71	GM 10 bolt Buick, Olds, Pontiac 8.2"	28	3.36 & up			19674-010	
	1964-72	GM 10 bolt Chevrolet 8.2"	28	3.08 & up			19603-010	
	1988-05	GM 10 bolt 7.5/7.6"	1.20" 28	3.23 & up	162C59A	912A317	19599-010	
	1975-89	GM 10 bolt C-Clip 7.5"	1.16" 26	3.23 & up	162C58A	911A319	19663-010	
				3.08 & dn		911A415		
		(ch) custom housing with 3.25" bearing bore.						
		(pa) 30 and 33 spline units are made to fit axles cut with 45 degree pressure angle.						
		All GM 8.5"/8.6"Eaton differentials require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM-102949 and race LM-102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999 to present, bearing LM-603049 and race LM-603012 are required.						
		10/1500 ● Pickup ● Blazer/Jimmy ● Suburban ● Tahoe ● Yukon ● Van ● Trailblazer (SS)						
FRONT								
	1977-88	GM 10 bolt 8.5"	1.20" 28	2.73-5.13	187C149A	912A557	19557-010	
	To 1980	Dana 44 8.5"	1.31" 30	3.73 & dn	187SL16D	913A591		19695-010
				3.92 & up	187SL16C	913A592		19747-010
	1982-07	GM 14 Bolt IFS (HD) 9.25"	33	All				19622-010
REAR								
	1988-05	GM 10 bolt 7.5/7.6"	1.20" 28	3.23 & up	162C59A	912A317	19599-010	
	1982-89	GM 10 bolt C-Clip 7.5"	1.16" 26	3.23 & up	162C58A	911A319	19663-010	
				3.08 & dn		911A415		
	1988-07	GM 10 bolt C-Clip 8.5/8.6"	1.32" 30	2.73 & up	187C148A	913A481	19559-010	19659-010
	1972-89	GM 10 bolt C-Clip 8.5"	1.20" 28	2.73 & up	187C149A	912A556	19557-010	
	To 1982	GM 12 bolt C-Clip 8.875"	1.30" 30	3.73 & up	187C150A	913A315	19556-010	
				2.76-3.42			19587-010	
	1981-07	GM 14 bolt C-Clip 9.5"	1.37" 33	All	225C135A	914A538	19590-010	19684-010
		All GM 8.5"/8.6"Eaton differentials require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM-102949 and race LM-102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999 to present, bearing LM-603049 and race LM-603012 are required.						

Year	Description	Axle Shaft Dia.-Spline	Ring Gear Pinion Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
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CHEVROLET/GMC

20/2500 • Pickup • Suburban • Rally/Sport • Van

FRONT

1977-91	GM 10 bolt	8.5"	1.20" 28	2.73 & up	187C149A	912A557	19557-010(mh)
1988-91	GM 10 bolt	8.5"	1.31" 30	2.73 & up			19559-010(mh) 19659-010
To 1980	Dana 44	8.5"	1.31" 30	3.73 & dn	187SL16D	913A591	19695-010
				3.92 & up	187SL16C	913A592	19747-010
1982-07	GM 14 Bolt IFS	9.25"	33	All			19622-010

REAR

1988-07	GM 10 bolt C-Clip (Van) 8.5/8.6"	1.32"	30	2.73-5.13+	187C148A	913A481	19559-010 19659-010
1978-89	GM 10 bolt C-Clip (Van) 8.5"	1.20"	28	2.73-5.13+	187C149A	912A556	
1981-07	GM 14 bolt C-Clip	9.5"	1.37" 33	All	225C135A	914A538	19590-010 19684-010
1972-07	GM 14 bolt	10.5"	1.50" 30	4.10 & dn	225S10 (a)		19689-010
1973-07	GM 14 bolt	10.5"	1.50" 30	4.56 & up	225S10 (a)		19610-010
1975-77	Dana 60HD	9.75"	1.50" 35	4.10 & dn	225SL29B	915A385	
				4.56 & up	225SL29A	915A386	
To 1974	Dana 60	9.75"	1.31" 30	4.10 & dn	225SL19B	913A389	19730-010 19722-010
				4.56 & up	225SL19A	913A390	19734-010 19737-010
	Dana Super 60	9.75"	1.70" 40	4.10 & dn	225SL-193A		
	Dana Super 60	9.75"	1.70" 40	4.56 & up	225SL-193B		

30/3500 R/V • Chassis-Cab • Motor Home • Bus Chassis • Pickup C/K • Van

FRONT

1977-87	Dana 60HD	9.75"	1.50" 35	4.10 & dn	225SL29B	915A387	19760-010
				4.56 & up	225SL29A	915A388	19761-010
1982-07	GM 14 Bolt IFS	9.25"	33	All			19622-010

REAR

1988-07	GM 14 bolt C-Clip	9.5"	1.37" 33	All	225C135A	914A538	
1973-07	GM 14 bolt	10.5"	1.50" 30	4.10 & dn	225S10 (a)		19689-010
				4.56 & up	225S10 (a)		19610-010
1973-94	Dana 70HD with 4" dia. axle tubes FLAT STYLE CAB 10.5": 5/8" Pinion Offset	1.50"	35	4.10 & dn	225SL58B		
	5/8" Pinion Offset	1.50"	35	4.56 & up	225SL58A		
1988-89	Dana 70-3U HD w/3.5" dia. axle tubes AERODYNAMIC CAB: 10.5": 5/8" Pinion Offset	1.50"	35	3.21, 3.42	225SL58A		
	31/32" Pinion Offset	1.50"	35	3.54-4.56	225SL58E		
1973-91	Dana 60HD (G Series) 9.75"	1.50"	35	4.10 & dn	225SL29B	915A385	19760-010
				4.56 & up	225SL29A	915A386	19761-010
1984-86	Dana 70U	10.5"	1.50" 35	4.10 & dn	225SL58D		
1979-80	Dana 70B	10.5"		4.56 & up	225SL58C		

REAR

3500 HD

1992-07	Dana 80	11.5"	1.60" 37	4.10 & up	225SL105A	916A427	
				3.73 & dn		916A566	
To 1986	GM 11000 lb. Rockwell 100/102/200	12"	1.75" 27 1.62" 16	All	250S-27 225S15		

(mh) manual locking hubs recommended

All GM 8.5"/8.6"Eaton differentials require special bearings. For axles with small bearing bores (race O.D. of 2.89"), usually found on vehicles prior to 1999, bearing LM-102949 and race LM-102911 are required. For axles with large bearing bores (race O.D. of 3.06"), usually found on vehicles from 1999 to present, bearing LM-603049 and race LM-603012 are required.

(a) 225S10 differential replaces the conventional differential internals used in certain 1973 thru present GM axles. If it is to be installed in a GM axle equipped with an optional Eaton differential, it will also be necessary to purchase a new gear support case assembly, GM #6258336 or #6258340, depending upon gear ratio.

Year	Description	Axle Shaft Dia.-Spline	Ring Gear Pinion Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
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CHRYSLER/DODGE/PLYMOUTH

D-50, 100, 150, 200 & 250, A, B, D, W

Pickup • Power Wagon • Ramcharger • Sportvan • Van

FRONT	1989-02	Dana 44, one side C-Clip 8.5"	1.31"	30	3.73 & dn 3.92 & up		913A591 913A592		
	To 1984	Dana 44	8.5"	1.31"	3.73 & dn 3.92 & up	187SL16D 187SL16C	913A591 913A592		19695-010 19747-010 19722-010 19737-010
	1994-99	Dana 60	9.75"	1.31"	3.73 & dn 4.10 & dn 4.56 & up				
	1971-93	Dana 60HD	9.75"	1.50"	3.73 & dn 4.10 & dn 4.56 & up	225SL29B 225SL29A	915A387 915A388		19760-010 19761-010
To 1972	Dana 70	10.5"	1.50"	23	All	225S14			

REAR	1997-07	Chrysler C-Clip	8.375"	1.21"	29	2.73 & up	187C179A	912A553	
	1969-96	Chrysler C-Clip	8.375"	1.17"	27	2.73 & up	187C151A		
	1974-07	Chrysler C-Clip	9.25"	1.32"	31	2.76-4.56	187C172A	913A368	
	1969-74	Chrysler	8.75"	1.28"	30	2.76-4.56	187SL14A	913A572	
	1969-74	Chrysler	8.75"	1.31"	33	2.76-4.56		914A583 (pa)	
	(pa) 33 spline units are made to fit axles cut with 45 degree pressure angle.								

FRONT	1972-02	Dana 60	9.75"	1.31"	30	4.10 & dn 4.56 & up	225SL19B 225SL19A	913A389 913A390	19730-010 19734-010	19722-010 19737-010
	To 1971	Dana 60	9.75"	1.24"	16	4.10 & dn 4.56 & up	225S12C 225S12A			
	1972-90	Dana 70	10.5"	1.50"	35	4.10-3.54 4.56 & up	225SL58D 225SL58C			
	1991-02	Dana 70	10.5"	1.41"	32	4.10 & dn 4.56 & up	225SL107D 225SL107C			
		Dana Super 60 Dana Super 60	9.75" 9.75"	1.70" 1.70"	40 40	4.10 & dn 4.56 & up	225SL-193A 225SL-193B			

300, 350, 400, B, C, M, W

Chassis-Cab • Motor Home • Pickup • Power Wagon • Van

FRONT	1976-00	Dana 60HD	9.75"	1.50"	35	4.10 & dn 4.56 & up	225SL29B 225SL29A	915A387 915A388		19760-010 19761-010
	1971-76 1974	Dana 70 Dana 70	10.5" 10.5"	1.50" 1.50"	35 23	4.56 & up (7) All	225SL58C 225S14			
REAR	1975-02	Dana 60, 60HD, 60M	9.75"	1.31"	30	4.10 & dn 4.56 & up	225SL19B 225SL19A	913A389 913A390	19730-010 19734-010	19722-010 19737-010
	1991-02	Dana 70	10.5"	1.41"	32	4.10 & dn 4.56 & up	225SL107D 225SL107C			
	1972-90	Dana 70	10.5"	1.50"	35	4.10 & dn (7) 4.56 & up (7)	225SL58D 225SL58C			
	1972-85	Dana 70HD	10.5"	1.50"	35	4.10 & dn (7) 4.56 & up (7)	225SL58B 225SL58A			
	1971-74	Dana 70	10.5"	1.50"	35	All	225S18			
	To 1974 1994-02	Dana 70 Dana 80	10.5" 11.5"	1.50" 1.52"	23 35	All 4.10 & up 3.73 & dn	225S14 225SL131A		915A567	

Year	Description	Axle Dia.	Shaft Spline	Ring Gear Pinion Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
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FORD

Ranger • Explorer • Aerostar • Bronco II • Mustang

1991-95	Dana 35 IFS Snap ring	1.14"	27	3.54 & up	162C56A			
1983-07	Ford C-Clip	7.5"	1.20"	28	All	162C57A	912A316	
1987-07	Ford C-Clip	8.8"	1.32"	31	All	187C145A(+)	913A561	19588-010
1983-07	Ford C-Clip	8.8"	1.20"	28	All	187C147A(+)	912A562	19605-010
1983-86	Ford C-Clip	8.8"	1.32"	31	All	187C146A		19588-010
To 1979	Ford	9"	1.20"	28	All	187SL13A	912A587	19660-010
To 1978	Ford	8"	1.20"	28	3.25 & up	187S13D	912A580	

F/E-100/150 • Pickup • Bronco • Van • Expedition • Crown Victoria

1983-96	Dana 44 C-Clip	8.5"	1.31"	30	3.73 & dn 3.92 & up		913A591 913A592	19695-010 19747-010
1997-07	Ford IFS	8.8"	1.20"	28	All		912A563	19685-010
To 1982	Dana 44	8.5"	1.31"	30	3.73 & dn 3.92 & up	187SL16D 187SL16C	913A591 913A592	19695-010 19747-010
1997-07	Ford	9.75"	1.37"	34	All	225C194A	913A477	19627-010
1987-07	Ford C-Clip	8.8"	1.32"	31	All	187C145A(+)	913A561	19588-010
1983-86	Ford C-Clip	8.8"	1.32"	31	All	187C146A(+)		19588-010
1976-87	Ford	9"	1.32"	31	All exc. 2.72	187SL17B	913A586	
	Ford	9"	1.50"	35	All exc. 2.72	187S160A		
To 1979	Ford	9"	1.20"	28	All exc. 2.72	187SL13A	912A587	
1977-79	Dana 44	8.5"	1.31"	30	3.73 & dn	187SL16D	913A589	19695-010
			1.31"	30	3.92 & up	187SL16C	913A590	19747-010
To 1974	Ford 9" 1.62" bearing hub dia.		1.20"	28	All	187S13A		

F/E-250 (98' Super Duty) • Pickup • Van • Excursion


1997-07	Ford IFS Snap ring	8.8"	1.20"	28	All	187C147A(+)	912A563	19685-010
1983-97	Dana 44 C-Clip IFS	8.5"	1.31"	30	3.73 & dn 3.92 & up		913A591 913A592	
To 1982	Dana 44	8.5"	1.31"	30	3.73 & dn 3.92 & up	187SL16D 187SL16C	913A591 913A592	19695-010 19747-010
1980-05	Dana50	9"	1.31"	30	3.54 & dn			
1979	Dana 60 (f)	9.75"	1.50"	35	4.10 & dn 4.56 & up	225SL29B 225SL29A	915A387 915A388	19760-010 19761-010
1983-84	Ford C-Clip	8.8"	1.32"	31	All	187C145A(+)		19660-010
1985-07	Ford	10.25"/10.5"	1.50"	35	All	225SL56A	915A550	19694-010
1983-85	Dana 70U	10.5"	1.50"	35	4.10 & dn (7) 4.56 & up (7)	225SL58D 225SL58C		
1974-87	Dana 61-1	9.75"	1.31"	30		See Note (6)		
1975-84	Dana 60-3	9.75"	1.31"	30	4.10 & dn 4.56 & up	225SL19B 225SL19A	913A389 913A390	19722-010 19737-010
To 1974	Dana 60	9.75"	1.31"	16	4.10 & dn 4.56 & up	225S12C 225S12A		
	Dana Super 60	9.75"	1.70"	40	4.10 & dn	225SL193A		
	Dana Super 60	9.75"	1.70"	40	4.56 & up	225SL193B		

F/E 350, 450, 550 • (98' & up Super Duty) • Pickup • Van • Wagon • Chassis-Cab

1979-07	Dana 60	9.75"	1.50"	35	4.10 & dn	225SL29B	915A387	19760-010
1978-79	Dana 60	9.75"			4.56 & up	225SL29A	915A388	19761-010
1981-87	Dana 61-1	9.75"	1.31"	30		See Note (6)		
1983-97	Dana 70-U-1,-2	10.5"	1.50"	35	4.10 & dn (7) 4.56 & up (7)	225SL58D 225SL58C		
1975-85	Dana 70HD	10.5"	1.50"	35	4.10 & dn (7) 4.56 & up (7)	225SL58B 225SL58A		
1978-79	Dana 60 (f) Snowplow package only	9.75"	1.31"	30	4.10 & dn 4.56 & up	225SL19B 225SL19A	913A389 913A390	19730-010 19734-010
To 1974	Dana 60	9.75"	1.31"	16	4.10 & dn 4.56 & up	225S12C 225S12A		
To 1972	Dana 70	10.5"	1.50"	23	All	225S14		

	Year	Description	Axle Shaft Dia.-Spline	Ring Gear Pinion Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
REAR	F/E 350, 450, 550 • (98' & up Super Duty) • Pickup • Van • Wagon • Chassis-Cab (continued)							
	1990-98	Dana 80	11.5"	1.60" 37	3.73 & dn		916A566	
	1990-98	Dana 80	11.5"	1.60" 37	4.10 & up	225SL105A	916A427	
	1998-07	Dana 80	11.5"	1.50" 35	3.73 & dn		915A567	
	1998-07	Dana 80	11.5"	1.50" 35	4.10 & up	225SL131A		
	1998-07	Dana S135 Dana Super 60	9.75"	1.84" 36 1.70" 40	4.63-5.38 4.10 & dn 4.56 & up	250SL166 225SL193A 225SL193B		
FRONT	HUMMER							
	Front	AMC 20 IFS	8.875"	1.27" 29	3.08 & up	187SL47A		
	Front	AMC 20 IFS	8.875"	1.27" 29	2.73 & dn	187SL163A	912A549	
REAR	To 1998	AMC 20 IRS	8.875"	1.27" 29	3.08 & up	187SL47A	912A579	
	To 1998	AMC 20 IRS	8.875"	1.27" 29	2.73 & dn	187SL163A	912A573	
REAR	HYUNDAI							
		Santa Fe						
		AWD rear axle 10 bolt		27	3.81		19567-010	
REAR	ISUZU							
		Rodeo						
	1993-00	Dana 44	8.5"/9"	1.31" 30	3.73 & dn 3.92 & up	187SL16D 187SL16C	913A589 913A590	19695-010 19747-010
	(US only)							
	1989-93	GM 10 bolt	7.5"	1.20" 28	3.23 & up	162C59A	912A317(x)	
FRONT	JEEP							
	Wrangler • Cherokee • Grand Cherokee • Wagoneer • CJ & DJ • Post Office Truck • Liberty							
	1971-06	Dana 30	1.16" 27	3.54 & dn 3.73 & up	162SL60A(g) 162SL60B(g)	912A584(g) 912A585(g)		19818-010(b)
	1970-03	Dana M-44-IF, IFHD	1.31" 30	3.73 & dn 3.92 & up	187SL16D(g) 187SL16C(g)	913A591(g) 913A592(g)		19695-010 19747-010
	1997-06	Chrysler C-Clip	8.375"	1.21" 29	All	187C179A	913A553	
	1991-96	Chrysler C-Clip	8.375"	1.17" 27	All	187C151A		
	1993-06	Dana 35 C-Clip	7.56"	1.18" 27	3.54 & up	162C56A	912A569	
	1984-93	Dana 35 C-Clip	7.56"	1.18" 27	3.54 & up	162C56A	912A569	
	1985-89	Dana 35 non C-Clip Dana Super 35	7.56" 7.56"	1.18" 27 30	3.54 & up 3.54 & up	162C56A 162C-66A	912A569	19822-0109(b)
	1997-06	Wrangler Dana 44	8.5"	1.31" 30	3.73 & dn	187SL16D	913A589	19695-010
1969-79	Various Dana 44	8.5"		3.92 & up	187SL16C	913A590	19747-010	
1966-68	Dana 44	8.5"	1.25" 19	3.73 & dn 3.92 & up	187SL12B 187SL12A			
	Dana Super 44	8.5"	1.36" 33		187SL192A			
1974-88	Dana M60-3R	9.75"	1.31" 30	4.10 & dn 4.56 & up	225SL19B 225SL19A			
6/76-86	AMC 20	8.875"	1.27" 29	3.08 & up 2.73 & dn	187SL47A 187SL163A	912A579 912A573		
	(b) Bearing LM-102949 and race LM-102911 and unique shims are required.							
	(g) Applies to non disconnect only.							
REAR	KIA							
	Sportage • Sorento							
	1993-97	Sportage 10 bolt		26	All		19519-01S	
	1998-07	Sportage 10 bolt		28	4.44		19536-020	
2003-07	Sorento 10 bolt		34	All		19651-020		

Year	Description	Axle Shaft Dia.-Spline	Ring Gear Pinion Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
LAND ROVER							
Rover Type & Salisbury							
1993-00	Rover Type (k)	1.24" 24	3.54	187SL173A	912A407		
1985-93	Rover Type (m)	1.11" 10	3.54	187SL174A	910A416		
To 1985	Rover Type	1.11" 10	4.7		910A461		
	Salisbury 8HA	1.24" 24	3.54	225SL36			
1993-00	Rover Type (n)	1.24" 24	3.54	187SL173A	912A383		
1985-93	Rover Type (p)	1.11" 10	3.54	187SL174A	910A400		
To 1985	Rover Type	1.11" 10	4.7		910A460		
	Salisbury 8HA	1.24" 24	3.54	225SL36			
	Salisbury 101 Rear	1.44" 22	5.37	225SL183			
	Salisbury Defender	24	4.10 & dn		912A593		
(k) Axle serial numbers 49L11363C or 57L05188B and later							
(m) Axle serial numbers and later: Range Rover - suffix H, 88/109 4 cyl. ¾ ton - suffix H, 109 V8/1ton - suffix D							
(n) Axle serial numbers 35S18135C or 37S08651B and later							
(p) Axle serial numbers and later: Range Rover - suffix F, 88 -suffix G, 109 V8/1ton - (Salisbury standard), 109 4 cyl. ¾ ton - (Salisbury optional)							
MITSUBISHI							
Montero Sport							
	12 bolt, 3.5 L		12	4.625			19629-01S
NISSAN							
Titan • Pickup • Xterra							
1993-05	Titan Dana 44	1.38" 32	All		913A582		
	H233	1.25" 31	All	187SL167A			
2005-07	Dana 44 Xterra w/manual trans.	1.38" 32	All		913A582		
SAAB							
9-7x							
2005 1/2-07	8.6"	1.32" 30	2.73 & up	187C148A	913A481	19559-010	19659-010
TOYOTA							
4 Cylinder - Pickup • 4 Runner							
1974-85	8" 2 pinion (v)	1.30" 30	All	187SL61A	913A609		
1986-88	7.5" IFS (t)(v)	1.30" 27	All		911A445		
1989-95	7.5" IFS (t)(w)	1.30" 27	All		911A342		
1980-95	7.5"	1.30" 27	All		911A565(w)		
1986-96	8" 2 pinion (v) non turbo	1.30" 30	All	187SL61A	913A611		
1986-96	8" 4 pinion 4x4 turbo/gas/diesel	1.30" 30	All	187SL61B*	913A610*		
1995-05	8.4" Tacoma, Tundra, T-100	1.29" 30	3.54-5.29	187SL199A	913A541	19614-010	
	Toyota Legend Race Series	1.08" 27	All		911A565		
6 Cylinder - Pickup • 4 Runner							
1986-95	7.5" IFS (t) (w)	1.30" 27	All		911A342		
1986-04	7.5" IFS (v) 4 Runner only	1.10" 27	All		911A445		
1986-95	8" 4 pinion (w) 4x4 turbo/gas/diesel, 4x2 cab chassis	1.30" 30	All	187SL61B	913A610*		
1995-05	8.4" Tacoma, Tundra, T-100	1.29" 30	3.54-5.29	187SL199A	913A541	19614-010	
	Toyota Legend Race Series	1.08" 27	All		911A565		
Land Cruiser II							
1990-07	8" 4 pinion (w)	1.30" 30	All	187SL61B	913A612		
1967-89	9.5" 2 pinion C-Clip	1.30" 30	All	187C152A			
1967-97	9.5" C-Clip	1.30" 30	All	187C152A			
	Australian 8 7/8"	1.31" 30	All	225SL124A			
* 32010X bearing allows 913A610 in place of 913A611							
(t) Will not fit selector disconnect "shift on the fly"							
(v) "Small" hub bearing dia. 45 mm							
(w) "Large" hub bearing dia. 50 mm - uses bearing #90368-50006							

Year	Description	Axle Shaft Dia.-Spline	Ring Gear Pinion Ratio	Detroit Locker	Detroit Truetrac	Eaton Posi	Eaton ELocker
PERFORMANCE							
	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			19622-010(b)
	Dana Super 44 8.5"/9"	1.36" 33	3.92 & up	187SL192A			
	Dana Super 60 9.75"	1.70" 40	4.10 & dn	225SL193A			
	Dana Super 60 9.75"	1.70" 40	4.56 & up	225SL193B			
	Chrysler 8.75"	1.20" 30	2.76-5.57	187SL14A	913A572		
	Chrysler 8.75"	1.31" 33	2.76-4.56		914A583 (pa)		
(pa) 33 spline units are made to fit axles cut with 45 degree pressure angle.							
	Ford 9"	1.50" 35	All exc. 2.72	187S160A			
1964-72	GM 12 Bolt car 8.875"	1.41" 33	3.08-3.90	187C198A	914A576 (pa)		
1964-72	GM 12 Bolt car 8.875"	1.41" 33	4.10 & up		914A575 (pa)		
1964-72	GM 12 Bolt car 8.875"	1.50" 35	4.10 & up	187S196A(ch)			
	GM 12 Bolt car 8.875"	1.32" 30	4.10 & up			19510-010(pl)	
	GM 12 Bolt truck 8.875"	1.32" 30	3.73 & up			19512-010(pl)	
	Dana 60 rear 9.75"	1.50 35	4.10 & dn 4.56 & up		915A385 915A386	19760-010 19761-010	
	Toyota Legend/Celica 7.5"	1.08" 27	All		911A565(w)		
(b) Bearing LM-102949 and race LM-102911 and unique shims are required.							
((ch) custom housing with 3.25" bearing bore.							
(w) "Large" hub bearing dia. 50 mm - uses bearing #90368-50006							
(pa) 33 spline units are made to fit axles cut with 45 degree pressure angle.							
(pl) includes 800# preload springs_							
Circle Track Racing Applications							
	Ford 9" CTR only	1.32" 31	All exc. 2.72	R18703A			
	Ford 9"	1.32" 31	All	R18706A (was 187N158A)			
	Ford 9" 2.00 Large Bearing	1.32" 31	All	R18707A (was 187N178A)			
	Quick Change (Franklin, Halibrand, Richmond, Winters, etc.)						
	CTR only	1.32" 31	All	R18705A (aluminum housing)			
	Performance Detroit Locker	1.32" 31	All	R18708A (was 187N30A)			
The Detroit Locker CTR (Circle Track Racing) version of the Detroit Locker is made exclusively for left hand turn racing only.							
ATV Applications							
Call for Detroit Gearless Locker differential applications for most popular ATV models.							
INDEPENDENT TESTING OF DIFFERENTIALS							
- check it out at EatonPerformance.com							
Independent Testing Firm, National Technical Systems, tested a group of Eaton's differentials along with competitor's differentials. The baseline for testing was established using Eaton's differentials. All differentials were held to the same exact parameters during testing. According to the test results, NTS has determined, "Eaton differentials outperformed the competitor's differentials nearly two to one".							
							

Posi Limited Slip Service Kits

29402-00S	Disc & Shim Kit	Steel discs, guides, shims, 24 steel discs			X	X	X	X	X	X
29403-00S	Disc & Shim Kit	Steel discs, guides, shims, 18 steel discs			X	X	X	X	X	X
29406-00S	Disc & Shim Kit	Carbon discs, guides, shims								
29408-00S	Disc & Shim Kit	Carbon discs, guides, shims								
29413-00S	Disc & Shim Kit	Carbon discs, guides, shims			X	X	X			
29417-00S	Disc & Shim Kit	Carbon discs, guides, shims	X	X						
29418-00S	Disc & Shim Kit	Carbon discs, guides, shims								
29422-00S	Disc & Shim Kit	Carbon discs, guides, shims								
29426-00S	Disc & Shim Kit	Carbon discs, guides, shims						X	X	X
29366-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw								
29404-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw			X					
29405-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw	X							
29407-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw								
29409-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw								X
29410-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw								
29411-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw								
29412-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw								
29414-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw		X						
29415-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw								
29416-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw								
29419-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw							X	
29420-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw								
29421-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw								
29423-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw								
29424-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw						X		
29425-00S	Gear Service Kit	Side gear, pinion gears, washers, shaft screw				X	X			
99434-00S	Lock Screw Kit	10 Lock screws								
99942-01S	Lock Screw Kit	10 Lock screws								
29587-01S	Lock Screw Kit	10 Lock screws and locker washers								
29789-01S	Lock Screw Kit	10 Lock screws and locker washers								
29239-00S	Preload Kit (400#)	Springs, plates								
29255-00S	Preload Kit (400#)	Springs, plates								
29589-00S	Preload Kit (200#)	Springs, plates			X	X	X	X	X	X
29590-00S	Preload Kit (400#)	Springs, plates			X	X	X	X	X	X
29591-00S	Preload Kit (800#)	Springs, plates			X	X	X	X	X	X
29713-00S	Preload Kit (400#)	Springs, plates	X	X						
29716-00S	Preload Kit (400#)	Springs, plates								
29793-00S	Preload Kit (300#)	Springs, plates								

Posi Limited Slip Service Kits

X	X	X	X	X				X	X					
X	X	X	X	X				X	X					
											X			
						X	X							
					X					X			X	X
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X	X	X	X	X				X	X					
						X							X	X
												X		

Part Number	Description	Standard Package	GM 8.5"/8.6"	GM 9.25"	GM 9.5"	Ford 8.8"	Ford 8.8"
			19659-010	19622-010	19684-010	19660-010	19685-010
Elocker Service Kits							
29235-00S	Universal Wiring Kit	Dash switch , fuse & holder, relay, suppression device wiring harness& connectors, conduit	X	X	X	X	X
29296-00S	Gear Service Kit	Side gear, pinion gears, shims, pinion thrust washers ramp pins, ramp pin retainer, pinion shaft, shaft lock screw	X				
29308-00S	Gear Service Kit	Side gear, pinion gears, shims, pinion thrust washers ramp pins, ramp pin retainer, pinion shaft, shaft lock screw				X	
29309-00S	Gear Service Kit	Side gear, pinion gears, shims, pinion thrust washers ramp pins, ramp pin retainer, pinion shaft, shaft lock screw					X
29394-00S	Gear Service Kit	Side gear, pinion gears, shims, pinion thrust washers ramp pins, ramp pin retainer, pinion shaft, shaft lock screw		X	X		
29305-00S	Locking Mechanism Kit	Ball ramp set, ball bearings, preload springs, thrust bearing, bearing race, retaining ring	X			X	X
29396-00S	Locking Mechanism Kit	Ball ramp set, ball bearings, preload springs, thrust bearing, Bearing race, retaining ring	X			X	X
29393-00S	Stator/Armature Kit	Stator assembly, armature, retaining bracket				X	X
29395-00S	Stator/Armature Kit	Stator assembly, armature, retaining bracket			X		
29397-00S	Stator/Armature Kit	Stator assembly, armature, retaining bracket		X			

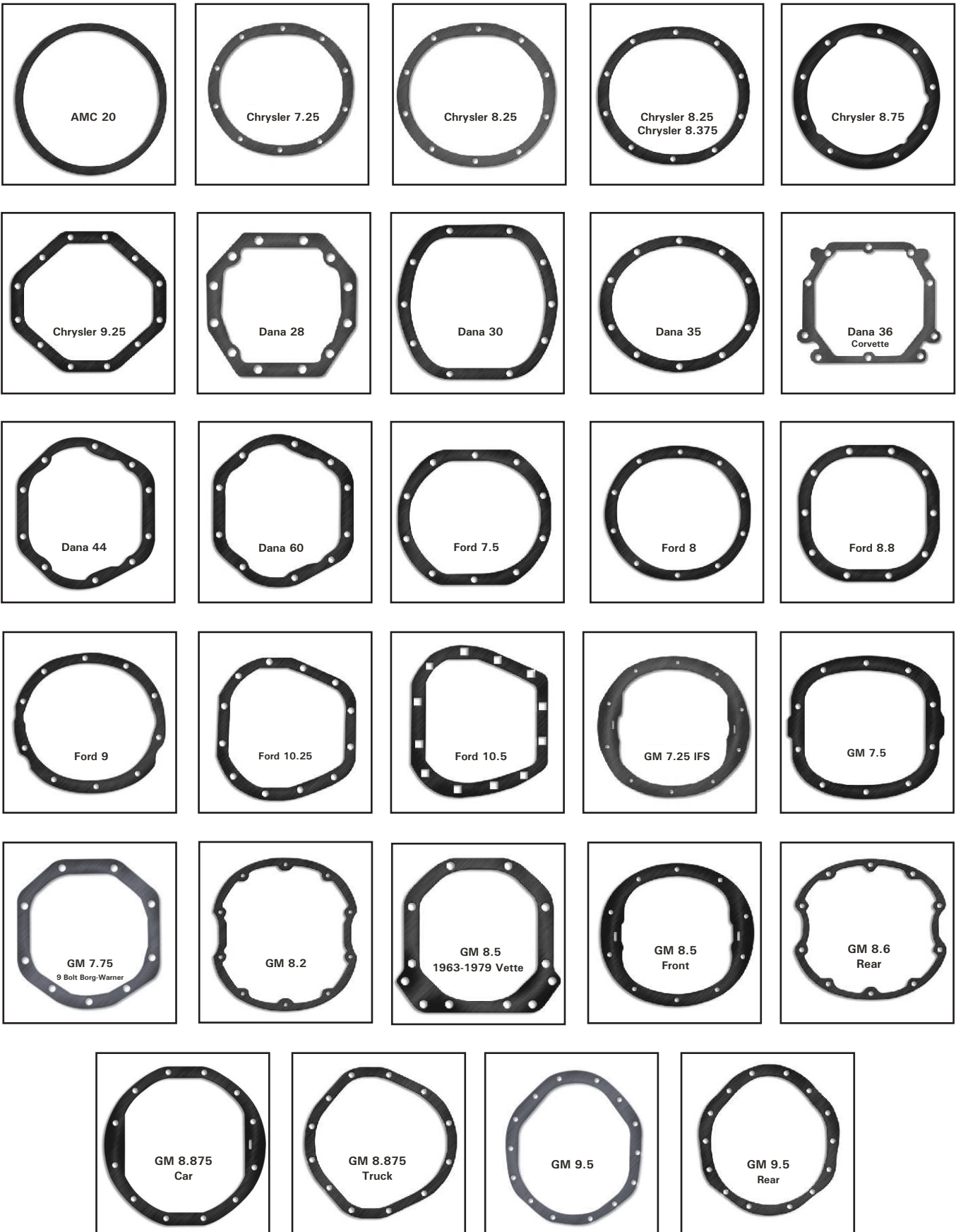
NOTES

- (x) Call for availability.
- (+) +4.56, 4.88 and 5.13 require some modification for install.
- (1) "dia. r.g." is the pitch diameter of the ring gear. "10 bolt" means number of bolts in the differential housing cover.
- (2) The axle shaft diameter is the "major diameter" measured over the splines at the outer end of the shaft.
- (3) "& up" after the ring gear/pinion ratio means that all numerically higher ratios, in addition to the one designated, are also accommodated.
"& dn" after the ratio means that all numerically lower ratios are accommodated.
- (4) A "letter" after the model indicates a two-piece differential support case is supplied by Eaton with the differential. All other models (no letter) fit the two-piece differential case supplied by the axle/vehicle manufacturer. Bolts, bearings, shims & gaskets are not supplied.
The "Detroit SofLocker" differential indicated by an "SL" in the model number (187SL16D), provides smooth and reduced noise operation in the drive-coast mode. A dampening device has been inserted into the inboard end of each side gear.
The "Detroit C-Locker" differential indicated by a "C" in the model number (187C149A), accommodates axles with C-Clip axle shaft retainers inside the differential.
The "Detroit E-Z Locker" differential kit offers an economical, easily installed alternative "for the occasional off-roader."
- (5) Detroit Locker differentials should not be used in front-drive axles or light on-highway vehicles unless used with unlocking hubs that are fully unlocked on-highway.
- (6) Dana 61-1 FULL FLOAT 1.31" dia. r.g./30 axle spline:
3.31 & down ratios, use Detroit SofLocker 225SL19B
- 3.54, 3.73, 4.10 ratios, THIN RING GEAR with standard differential;
- | | | |
|-------------------------|--------------------|--------------------------------|
| Number on ring gear is: | 32503 = 3.54 ratio | |
| | 34508 = 3.73 ratio | Use Detroit SofLocker 225SL19C |
| | 30360 = 4.10 ratio | |
- 3.54, 3.73, 4.10 & 4.56 ratios, THICK RING GEAR with limited slip differential;
- | | | |
|-------------------------|--------------------|--------------------------------|
| Number on ring gear is: | 39211 = 3.54 ratio | |
| | 37875 = 3.73 ratio | Use Detroit SofLocker 225SL19A |
| | 39300 = 4.10 ratio | |
| | 39299 = 4.56 ratio | Use Detroit SofLocker 225SL19C |
- (7) Dana 70/70 HD, 35 splines: Use Detroit Locker 225S-18 if two piece case; use 225SL58 A, B, C, D if a one piece case.

For Drag Racing applications:

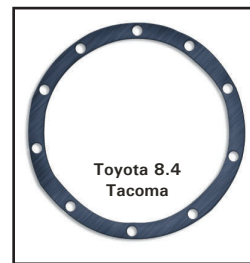
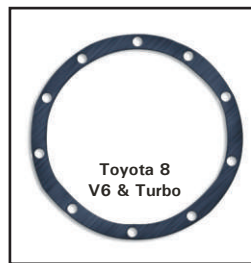
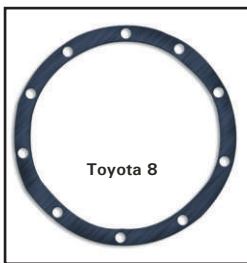
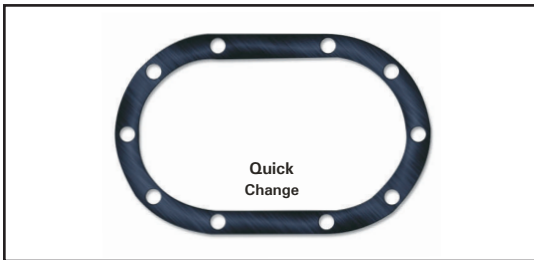
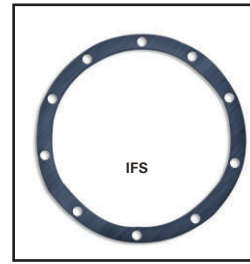
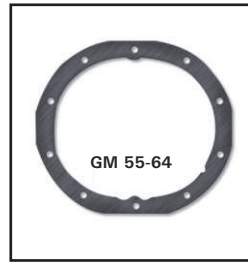
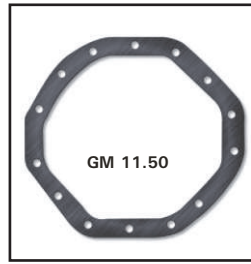
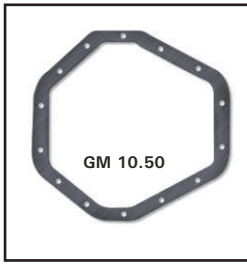
When using a Locker with trans brake - take the lash out of the Locker before pre-staging.

Differential Cover Identifier





Differential Cover Identifier



Professional racer or weekend warrior? Limited slip or locker?
Clutch style or gear drive? Electronic or automatic?

only Eaton covers them all



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While this model list is believed to be accurate, we cannot guarantee accuracy (errors or omissions) of the data. Customer is responsible to identify the correct part number for their particular application.