

Made
in the
USA

Performance Differentials

Equipped Max Lockers | Limited-Slip Differentials



Hook Up!
with
AuburnGear
PERFORMANCE DIFFERENTIALS

WWW.AUBURNGEAR.COM

STREET. TRACK. OFF-ROAD.

Nothing delivers superior traction capability like an Auburn Gear performance differential!

For nearly 55 years, Auburn Gear has been the leader in performance limited-slip differentials.

Today, no matter what you drive—dragsters, performance cars, everyday passenger vehicles, light-duty trucks, vans, sport utilities, off-road or recreational vehicles—there is an Auburn Gear performance differential engineered to maximize your vehicle's tractive capability.



High Performance Limited-Slip Differentials

Street, track or muddy trail—Get smooth torque-sensing operation with the correct bias ratios to outperform the competition.



Pro Series Limited-Slip Differentials

Rev it up and pop the clutch! By design, the Pro Series gives you an even higher bias torque than Auburn's High-Performance models, with lightning-fast reaction to changing conditions for the very best in controlled power transfer.



The Auburn Gear Ected Max Selectable Locker

This is the only aftermarket locker that delivers on-the-go system engage! And it's the only one that offers both the traction control of a limited-slip differential and the capability of a true locker. All other aftermarket differentials must be operated in either the "open" differential mode or the "locked" mode. But not Ected Max!

Caution: Ected Max is a high-performance locker. Auburn Gear highly recommends upgrading to stronger ring and pinions and axles if you're thinking about installing an Ected Max on your vehicle. Engage Ected Max on the fly at any reasonable speed when all four wheels are on the ground.

Every Auburn Gear unit is hand-inspected
and assembled in America!



D-REX

Best Warranty in the Industry

With Auburn Gear, you get a full one-year manufacturer's warranty, plus D-REX coverage for four years from date of purchase. D-REX stands for Differential-Replacement Exchange—which means Auburn Gear will replace your unit, no matter the reason, within the first four (4) years after purchase for the price of a competitor's clutch pack. Every part you get will be brand new. The unit comes assembled, tested, certified and ready for installation. No more rebuilding and mixing old worn parts with new parts!



Why Auburn Gear performance differentials?

Auburn Gear Pro Series and High Performance Series differentials provide superior performance through a unique cone-clutch design that transfers more power to the high-traction wheel for quick acceleration and tight cornering.

All Auburn Gear limited-slip differentials are designed to provide the maximum amount of torque transfer without compromising the performance requirements of the vehicle in situations where torque transfer is not required.

How does Auburn Gear's design work?

Torque transfer is achieved through the use of cone clutches coupled to beveled side gears. As torque is transmitted through the differential side gears to the axle shafts, the side-gear-separating forces and spring preload firmly seat the cones into the differential case.

The cone design, along with the applied force, determines the torque transfer capability of the differential. When torque levels decrease, as in a cornering maneuver, the gear-separating forces also decrease, allowing the axle shafts to rotate independently. This unequally divides the torque between the two wheels, delivering more torque (or bias torque) to the wheel with the most traction.

AuburnGear



Get Limited-Slip Plus the Power of a True Locker

Ected | Electronically Controlled Traction Enhancing Differential
(pronounced "ek-ted")

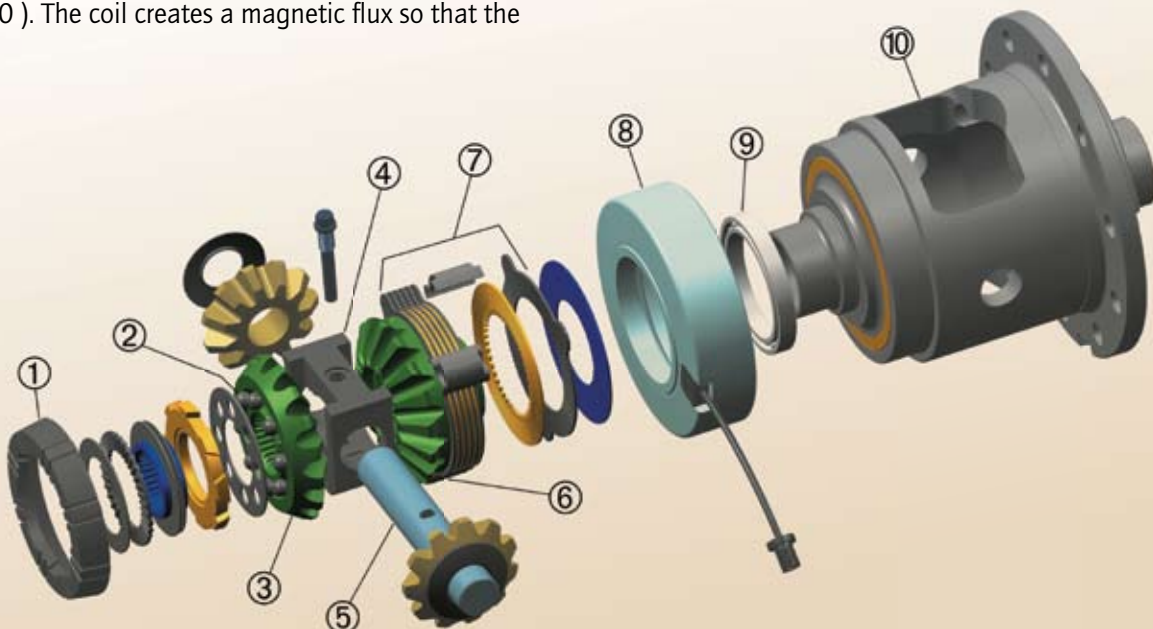
The Ected Max is a revolutionary traction-technology product that provides you with a selectable limited-slip or locker mode. When selected "off" – the Ected Max functions as a performance limited-slip differential for on- and off-road excitement. When selected "on" the Ected Max becomes a locker, ideal for the quarter-mile or the nastiest off-road terrain.

How does the Ected Max work?

The Ected Max is a selectable traction device. An on/off switch is mounted near the driver. When "off," the clutch pack (7), located behind the side gear (6), activates the limited-slip mode. As torque increases, the separating forces within the differential gears increase, causing the clutch pack to be compressed and, thereby, providing bias torque to the high traction wheel—your performance limited-slip differential action.

When selected "on," current is sent to the electromagnetic coil (8). The coil is retained by a clip that fits over one of the bearing cap bolts, making it non-rotational. The coil rides on a ball bearing (9). The ball bearings spin with the differential case (10). The coil creates a magnetic flux so that the

pilot cone (1) is pulled into engagement with the differential case (10). This frictional engagement causes the bearing balls (2) to ride up on a ramp machined into the side gear (3). This radial travel of the balls (2) also causes lateral movement of the side gear (3). The lateral movement of the side gear (3) applies a force onto the center block (4). The center block (4) has an elongated hole that the center pin (5) fits through, allowing it to float. The center block (4) applies force to the opposite side gear (6), compressing the clutch pack (7) giving the user a solid axle assembly and the locker performance desired at the strip or off-road.



EXAMPLE: Other Ected Max differentials will vary in design layout.



Ected Max™ Advantages

- Gearing is made from aircraft-quality 9310 heat-treated billet steel to make it as tough as nails!
- Can be switched on or off “on the fly,” at any safe road speed.
- Does not have any shift forks or pins that must be lined up to obtain locker mode.
- Operates quietly – say good-bye to noisy lockers!
- Backed by a one-year warranty plus the industry’s only D-REX Program (see page 3).
- Can be used in front-axle applications, with or without lockout hubs. (**Important Note:** The Ected Max is NOT recommended for use in front axles that feature an “inter-axle disconnect.”)

	Open Diff	Limited-Slip Diff	Locker
Auburn Gear Ected Max		X	X
ARB Air Locker	X		X
Eaton Elocker	X		X

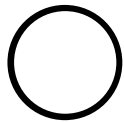
The Ected Max is the only selectable locker that offers both limited-slip and locker modes.

Service kits: See complete details for service kits on page 22.



IMPORTANT NOTE: Bearings not included unless specifically stated. Applications listed (make & year) are for reference only. Always verify axle/ring gear size, the ratio to be used and the number of axle splines prior to purchase and installation.

AMC 20, 12 Bolt



10 1/32" x 10 25/64" 12 Holes, Round

Make	Year
Ambassador	68-74
AMX	68-79
Concord	78-79
Gremlin	70-78
Hornet	72-78
Javelin	68-74
Jeep C101	67-72
Jeep CJ5 & CJ7	67-86
Jeep Wagoneer	67-86
Jeep J-10	66-86
Matador	72-78
Pacer V8	78-79
Rambler	69-72
Scrambler	76-78
Spirit V8	79

542081, Pro Series

Model Years: 1966-1986

Applications: All AMC 20 Axles

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.07:1 & Up	29 Teeth	LM603049	LM603012

Special Note: Some AMC 20 applications require the use of an axle spacer, which is included with the unit.

545006—Fits H1 Hummer

Model Years: 1966-Present

Applications: All AMC 20 axles



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.73:1 & Down	29 Teeth	LM60304	LM603012

IMPORTANT NOTE: Be certain that the axle shaft extends beyond the side gear face. Some after-market one-piece axle shafts are shorter than the stock shaft. Using an axle shaft that is too short will promote failure to the axle shaft spline.

545007

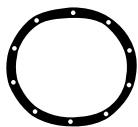
Model Years: 1966-1986

Applications: All AMC 20 axles



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.07:1 & Up	29 Teeth	LM603049	LM603012

Chrysler 8 1/4" & 8 3/8" 10 Bolt



11 3/8" 10 Holes, Oval

Make	Year
Passenger Cars, Various	73-97
B100,150, 200,250	69-Present
B,D,W-100	66-97
B,D,W-200	69-97
B,D,W-300	66-97
Aspen/Volare	76-80
Barracuda/Challenger	70-74
Charger/Coronet	73-76
Chrysler 300	72-79
Cordoba	75-83
Dakota	87-Present
Dart	72-76
Diplomat/LeBaron	77-83
Fifth Avenue/New Yorker	72-88
Imperial	81-83
Fury	70-81
Mirada/Magnum	78-83
Newport	72-73
Polara/Satellite	70-74
St. Regis	79-81
W100, 150	86-Present
Jeep Liberty	02-Present

542072, High Performance Series

Model Years: 1966-1996

Applications: All Chrysler products with 8 1/4" & 8 3/8" ring gear. Accepts tone ring for ABS applications.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.71:1 & Up	27 Teeth	LM603049	LM603012

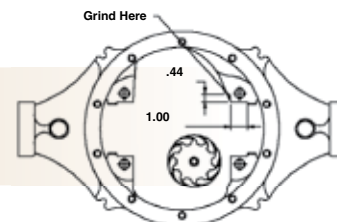
542074, High Performance Series

Model Years: 1997-Present

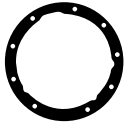
Applications: All Chrysler products with 8 1/4" & 8 3/8" ring gear. Accepts tone ring for ABS applications

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.71:1 & Up	29 Teeth	LM603049	LM603012

Chrysler 8 1/4" applications require modification to the axle housing as shown to provide clearance for the differential case. Clean housing after grinding.



Chrysler 8³/₄" 10 Bolt



8¹¹/₁₆" x 10¹⁹/₃₂" 10 Holes, Round

Make	Year
Belvedere	57-70
Coronet	69-70
300	57-73
Fury	57-74
Imperial	57-74
Town & Country	57-74
Valiant	60-74
Concord	63-68
Monaco	63-74
Polara	63-74
Barracuda	64-74
B200/B250	65-74
W100/W150	65-74
Charger (Daytona)	66-74
Dart/Swinger	66-72
Road Runner/Satellite	67-74
Super Bee	68-70
Newport/New Yorker	69-74
Challenger/Duster	70-74

542051, Pro Series

Model Years: 1957-1974

Applications: All Chrysler products with 8³/₄" ring gear.

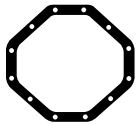
Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	30 Teeth	LM104949	LM104912



Best Warranty in the Industry—

D-REX stands for Differential-Replacement Exchange Program. Auburn Gear's limited-slip differentials are designed and manufactured with a robust and unique cone clutch mechanism. However, due to machining and assembly processes, the differential case and side gear/cone clutch mechanism are a matched set and therefore non-rebuildable. All other components within the Auburn Gear differential are replaceable and service kits are available. In order to address the non-rebuildable components within our limited-slip differentials we offer the D-REX unit.

Chrysler 9¹/₄" 12 Bolt



12³/₈" x 11¹/₂" 12 Holes, Irregular

Make	Year
Polara	70-74
Fifth Avenue/Fury	73-81
Newport/New Yorker	73-81
Imperial	74-75
Charger	74-76
Cordoba	75-79
Monaco	75-85
B350	84-Present
D200	66-Present
D300/D350	74-Present
Dakota W/v8	98-Present
Durango	97-Present
Ramcharger/Trailduster	74-Present
W100/W150/W200/W250	66-Present

542071, High Performance Series

Model Years: 1968-1983

Applications: All Chrysler products with 9¹/₄" ring gear.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.71:1 & Up	31 Teeth	JLM704649	JLM704610

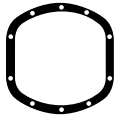
542070, High Performance Series

Model Years: 1984-Present

Applications: All Chrysler products with 9¹/₄" ring gear. Accepts tone ring for ABS applications.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.71:1 & Up	31 Teeth	JLM704649	JLM704610

Dana 30



9 1/8" x 8 3/4" 10 Holes

Make	Year
Jeep C-101 Jeepster	67-72
Jeep Cherokee/Wagoneer Full Size	71-86
Jeep CJ	71-86
Jeep YJ	87-96
Jeep TJ	86- Present
Jeep XJ Cherokee	84-01
Jeep MJ Comanche	84-91 1/2
Jeep ZJ/WJ	
Grand Cherokee	93- Present
Ford Aerostar (R)	85-89
Ford Bronco (F)	67-71
International Scout (F)	67-78
Courier* (F)	79-80
Mazda* (F)	79-80
Toyota* (F)	79-80
Nissan* (F)	79-80

*Above vehicles that are equipped with conversion front ends.

Applications: All Dana 30 models without "C" clips.

545016



Model Years: 1967-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.55:1 & Down	27 Teeth	LM501349	LM501314

545017

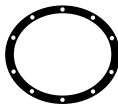


Model Years: 1967-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.73:1 & Up	27 Teeth	LM501349	LM501314

IMPORTANT NOTE: Model 30 setup bearing kit available, part number 541074.

Dana 35



9 1/4" x 10 3/8" 10 Holes

Make	Year
Jeep YJ	87-96
Jeep TJ	97- Present
Jeep XJ Cherokee	84-01
Jeep MJ Comanche	84-91 1/2
Jeep ZJ/WJ Grand Cherokee	93- Present
Ford Explorer/Mountaineer 4.0L* (F)	90-95 1/2
Ford Ranger 4.0L* (F)	90-97
Mazda B4000* (F)	90-97

* Above units will work by adding coil spring in right side axle slip yoke assembly.

Applications: All Dana 35 models.

IMPORTANT NOTE: These are not stock bearings. Bearings are available from Auburn Gear. Bearing kit part number 541070.

545012



Model Years: 1987-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.31:1 & Down	27 Teeth	LM102949	LM102911

545013



Model Years: 1987-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.55:1 & Up	27 Teeth	LM102949	LM102911

545014



Model Years: 1987-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.31:1 & Down	**30 Teeth	LM102949	LM102949

545015

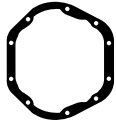


Model Years: 1987-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.55:1 & Up	**30 Teeth	LM102949	LM102911

** 30 teeth requires aftermarket axle shafts.

Dana 44



9 3/8" x 10 1/4" 10 Holes

Make	Year
Chevrolet K10, 25 Front	60-80
Chevrolet K30, 35 Front	67-76
Chevrolet C10, 5 Rear	60-70
Blazer Front	75-79
Chrysler W100, 150	
200, 300 & 350 Front	69-Present
Ford Bronco Front	71-97
U100 Front	71-78
Ford F100 F150 4x4 Rear	67-78
Ford F100 Front	67-97
Ford F250 Front	67-97
Ford F150 Front	75-97
Cobra	63-67
Thunderbird	55-56
IHC Scout Front	67-80
IHC Scout Rear	67-80
IHC 100, 150, 200, 1100, 1110, 1200, 1210 Front & Rear	65-75
Jeep C101 Rear	67-72
Jeep Wagoneer Front	67-83
Jeep J10, 20 Front	74-86
Jeep CJ5 Front & Rear	67-75
Jeep CJ7 Front & Rear	67-75
Jeep CJ7 Rear	85-86
Jeep Comanche Rear	86-92
Jeep Cherokee Rear	76-92
Jeep Grand Wagoneer Front	84-92
Jeep Wagoneer Front & Rear	67-83
Jeep "TJ"	2001

Applications: All Dana 44 models without "C" clips.

IMPORTANT NOTE:
Model 44 setup bearing kit available, part #541075.
Also: For models 2007 and newer, check your vehicle axle shaft spline before ordering. Some vehicles may have a 31 tooth configuration.

5420111, High Performance Series 542084, Pro Series

Model Years: 1970 & Prior

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.92:1 & Up	19 Teeth	25590	25523

5420112, High Performance Series 542085, Pro Series

Model Years: 1970 & Prior

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.73:1 & Down	19 Teeth	25590	25523

Special Note: Some Dana 44 applications (19 tooth axle splines) require the use of an axle spacer, which is included with the unit.

5420109, High Performance Series 542082, Pro Series

Model Years: 1971-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.92:1 & Up	30 Teeth	25590	25523

5420110, High Performance Series 542083, Pro Series

Model Years: 1971-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.73:1 & Down	30 Teeth	25590	25523

545018

Model Years: 1971-Present



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.73:1 & Down	30 Teeth (only)	25590	25523

For the 2003-2006 Rubicon, all ratios, please specify part #545018.

545019

Model Years: 1971-Present



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.92:1 & Up	30 Teeth (only)	25590	25523

545021, Dana Super 44

Model Years: 2007-Present

Make	Year
Jeep JK, non-Rubicon	07-Present



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	35 Teeth	JLM704649	JLM704610

Dana 50

Make	Year
F250/F35	81-04
Excursion	2000-05

545020

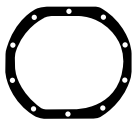
Model Years: All years



Applications: Ford F-250, F-350 and Excursion front axles.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All Ratios	30 Teeth	JLM104948	LM104911A

Ford 7 1/2" 10 Bolt



10 3/4" x 9 9/16" 10 Holes, Oval

Make	Year
Aerostar	86-96
Bronco II	83-90
Ranger without 4.0L	83-99
Ford Full Size	79-86
Fairmont	78-83
Granada	79-94
Mustang 4 & 6 Cylinder	79-Present
Thunderbird	80-94
Mercury Full Size	79-85
Bobcat	75-80
Capri except 86 with V8	79-86
Cougar	80-87
Zephyr	79-83

542023, High Performance Series 542048, Pro Series

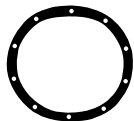
Model Years: 1978-Present

Applications: All Ford products with 7 1/2" ring gear. Accepts tone ring for ABS applications.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	28 Teeth	LM501349	LM501314

Special Note: Ford 7.5" applications require special "C" washers, which are supplied with the differential. Includes milled pinion shaft to accept 3.73-4.56 ratios.

Ford 8" 10 Bolt



11" 10 Holes, Oval

Make	Year
Falcon	62-70
Mustang	65-79
Comet	64-72
Cougar	67-72
Fairlane	60-72

Applications: All Ford products with 7 3/4" & 8" ring gear. Use Ford M-4216-B ring gear bolts for an open-type differential. Limited-slip type bolts are too long.

542059, Pro Series

Model Years: 1960-1979

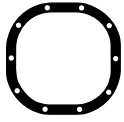
Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.0 and higher	28 Teeth	LM102949	LM102910

5420115, Pro Series

Model Years: 1960-1979

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.0 and higher	31 Teeth	LM102949	LM102910

Ford 8.8" 10 Bolt



10 ⁹/₁₆" x 10 ¹³/₁₆" 10 Holes, Oval

Make	Year
Aerostar with 4.0L	90-96
Bronco	81-94
Explorer	90-Present
Ranger with 4.0L	90-Present
E150 - E250	83-99
F100	81-97
F150-250	81-Present
F150 Front	97-Present
Mustang V8	85-Present
Thunderbird	87-94
Capri V8	86-97
Cougar	88-01
Mercury Full Size	82-Present
Expedition Front	97-Present

Applications: All Ford products with 8.8" ring gear including IRS (Independent Rear Suspension) applications. Accepts tone ring for ABS applications

542079, High Performance Series 542080, Pro Series

Model Years: 1979-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	28 Teeth	LM603049	LM603012

542025, High Performance Series 542054, Pro Series—9310 Gear Material

Model Years: 1983-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	31 Teeth	LM603049	LM603012

5420116, Pro Series—9310 Gear Material

Model Years: 1983-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	33 Teeth	LM603049	LM603012

545001

Model Years: 1978-Present

Applications: All Ford products with 8.8" ring gear including IRS & IFS (Independent Rear & Front Suspension) applications. Accepts tone ring for ABS applications.



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	28 Teeth	LM603049	LM603012

545002 545005 (for IRS applications only)

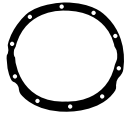
Model Years: 1983-Present

Applications: All Ford products with 8.8" ring gear. Accepts tone ring for ABS applications.



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	31 Teeth	LM603049	LM603012

Ford 9 " 10 Bolt



11 3/4" 10 Holes, Oval

Make	Year
Bronco	67-86
E200	68-74
E100/150	86-87
Mercury	57-73
Ford	57-80
Thunderbird	57-73
All Light Trucks	57-87
Fairlane	62-73
Comet	65-67
Cougar	65-79
Mustang	65-73
Montego	68-76
Ltd II	71-79
Torino	71-79
Granada	75-80
Monarch	75-80
Versailles	77-80

Applications: All Ford products with 8 3/4" & 9" ring gear. Use Ford M-4216-A210 ring gear bolts for an open-type differential. Limited-slip type bolts are too long.

542043, Pro Series

Model Years: 1957-1987

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	28 Teeth	LM102949	LM102910

542036, Pro Series

Model Years: 1957-1987

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	31 Teeth	LM603049	LM603011

Ford 9 3/4 " 12 Bolt

Make	Year
Navigator	97-Present
Expedition	97-Present
E150	97-Present
E250	97-Present
E350	97-Present
F150	97-Present
Lightning	99-Present

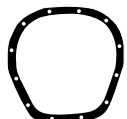
542090, High Performance Series

Model Years: 1997-Present

Applications: All Ford products with 9 3/4" ring gear. Accepts tone ring for ABS applications. Fits IRS applications.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	34 Teeth	NP343847	NP372019

Ford 10 1/4 " & 10 1/2 " 12 Bolt



12 1/8" x 13 5/16" 12 Holes, Irregular

Make	Year
F250	83-Present
F350	83-Present
F450	83-Present

542089, High Performance Series

Model Years: 1983-Present

Applications: All Ford products with 10 1/4" & 10 1/2" ring gear. Accepts tone ring for ABS applications.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	35 Teeth	469	453X

Toyota 8⁷/₈" 12 Bolt

542030, Pro Series

Model Years: 1968-1989

Applications: Land Cruiser.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	30 Teeth	LM603049	LM603012

Special Note: 1967 & prior must update to 30 tooth axle shafts.

Toyota 8.0" 10 Bolt

Make	Year
Pickup	86-96
Land Cruiser II	90-07
Land Cruiser	98-Present
T-100	04-Present
Tacoma	04-Present
Tundra	05-07
FJ Cruiser	05-Present

5420131, Pro Series, 4-pinion design

Model Years: 1974-Present

Ratios	Side Gear Spline	V-6 Bearing Cone	Bearing Cup
All ratios	30 Teeth	LM104948	LM104912

Toyota 8.4" 10 Bolt

Make	Year
Pickup	86-96
Lexus GX	95-Present
Tacoma	95-05
Tundra	95-05
T-100	95-05

5420132, Pro Series, 4-pinion design

Model Years: 1990-Present

Ratios	Side Gear Spline	V-6 Bearing Cone	Bearing Cup
All ratios	30 Teeth	ST5186-N set	ST5186-N set

Toyota 9.5" 12 Bolt

Make	Year
Tundra	07-Present
T-100	98-Present
200 Land Cruiser	98-Present
Lexus LX470	07-Present

5420133, High Performance Series

Model Years: 2007-Present

Applications: Tundra's with 4.7 liter V-8, T100 & 200 Land Cruisers 1998-present and Lexus LX470.

Ratios	Side Gear Spline	V-8 Bearing Cone	Bearing Cup
All ratios	32 Teeth	570064-1	32010J (Koyo)

Toyota 10.5" 12 Bolt

Make	Year
Tundra	07-Present

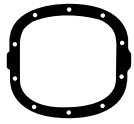
5420134, High Performance Series

Model Years: 2007-Present

Applications: Tundra's with 5.7 liter V-8.

Ratios	Side Gear Spline	V-8 Bearing Cone	Bearing Cup
All ratios	36 Teeth	HR32011Xja4	R55-34 (NSK)

GM 7 1/2" & 7 5/8" 10 Bolt



8 5/16" x 10 9/16" 10 Holes, Oval

Make	Year
Omega	75-79
Skylark	76-79
Buick/Olds/Pontiac	
Full Size	77-88
Chevrolet Full Size	77-88
Century/Phoenix/Ventura	78-81
Cutlass/Grand Prix	78-87
Monte Carlo/Regal	78-87
Camaro/Firebird	82-88
S10/S15	82-88
Astro/Safari	85-88
El Camino	77-87

Applications: All GM products with 7 1/2" & 7 5/8" ring gear.

542057, High Performance Series 542044, Pro Series

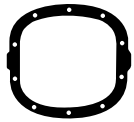
Model Years: 1976-1988

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.23:1 & Up	26 Teeth	LM501349	LM501314

542058, High Performance Series 542045, Pro Series

Model Years: 1976-1988

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.08:1 & Down	26 Teeth	LM501349	LM501314



8 5/16" x 10 9/16" 10 Holes, Oval

Make	Year
Buick/Olds/Pontiac	
Full Size	88-90
Chevrolet Full Size	88-96
Camaro/Firebird	88-02
S10/S15	88-Present
Astro/Safari	88-Present
Isuzu Rodeo	89-93
Olds Bravada	91-02

Applications: All GM products with 7 1/2" & 7 5/8" ring gear. Accepts tone ring for ABS applications.

542040, High Performance Series 542046, Pro Series

Model Years: 1988-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.23:1 & Up	28 Teeth	LM501349	LM501314

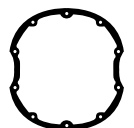
542041, High Performance Series 542047, Pro Series

Model Years: 1988-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.08:1 & Down	28 Teeth	LM501349	LM501314

Special Note: GM 7 5/8" applications use (2) different tone wheels depending on the differential case series. 3.08:1 & down gear ratios—Series 2 Case
3.23:1 & up gear ratios—Series 3 Case.

Chevy 8.2" 10 Bolt



11 1/2" 10 Holes

Make	Year
Chevrolet	65-70
Chevelle	64-72
Camaro	67-70
Chevy II	64-70
Nova	70-72

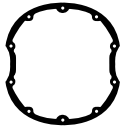
5420108, High Performance Series 542061, Pro Series

Model Years: 1964-1972

Applications: Chevrolet with 8.2" ring gear. "C" lock axle. 25 tooth pinion spline.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.08:1 & Up	28 Teeth	LM501349	LM501314

Buick - Olds - Pontiac 8.2 " 10 Bolt



11 1/2" 10 Holes

Make	Year
Tempest/GTO	64-71
Firebird	67-71
Olds F85	64-70

*Will not fit "O" axle with 12-bolt cover and 10-bolt ring gear.

Applications: Buick, Olds, Pontiac with 8.2" ring gear. Non "C" lock axle-27 tooth pinion spline.

5420113, High Performance Series 542060, Pro Series

Model Years: 1964-1971

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.36:1 & Up	28 Teeth	LM501349	LM501314

5420114, High Performance Series 542099, Pro Series

Model Years: 1964-1971

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.93:1 to 3.23:1	28 Teeth	LM501349	LM501314

Special Note: Differential bearings provided with 542099 and 5420114.

GM 8.2 " / 8.4 " 10 Bolt 1955-1964 Chevy

Make	Year
Bel Air	55-64
Impala	55-64
Biscayne	55-64
Corvette	55-62
Series 150/210	55-64
El Camino	55-64
Chevy II	55-64

5420100, Pro Series

Model Years: 1955-1964

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.70:1 & Down <i>3 Series Case</i>	17 Teeth	LM603049	LM603014

Housing modification for *non-posi* housings

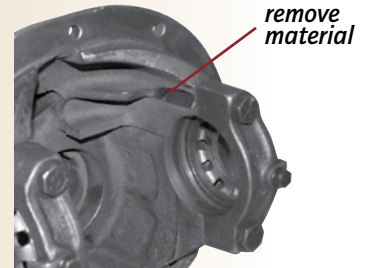
Axle housings not originally equipped with a posi-traction will require modification to provide necessary clearance for the limited-slip differential.

No modifications are required if using an original posi housing.

Modify the non-posi housing by removing a portion of the rib as shown below.



Unmodified non-posi Housing



Modified non-posi Housing

Corvette 10 Bolt 1963-1979

542062, Pro Series

Model Years: 1963-1979

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.41:1 to 3.70:1	17 Teeth	LM603049	LM603012

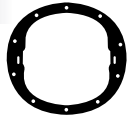
542063, Pro Series

Model Years: 1963-1979

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
4.10:1 & Up	17 Teeth	LM603049	LM603012

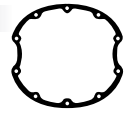
GM 8.5" & 8.6" 10 Bolt

front



11" 10 Holes, Irregular

rear



10 5/8" 10 Holes, Irregular

Make	Year
Apollo/Regal/Century	73-77
Biscayne/Roadmaster	71-74
Buick full size	77-present
Camaro	70-81
Chevelle	70-76
Chevy full size	77-96
Chevy II/Nova	70-79
Cutlass/Grand Prix/LeMans/GTO/Ventura/Phoenix	71-77
El Camino/ Monte Carlo	71-77
Electra	73-78
Grand National	84-87
Grand Sport	73-84
GTO/Firebird/Trans Am	70-81
Hurst Olds	85-88
Impala/Roadmaster	91-96
LeSabre	73-74
Olds F-85	70-76
Olds/Pontiac full size	71-89
Omega	73-75
Omega	77-79
Skylark/GS	71-75
Skylark/GS	77-79
Z-28	72-81
Blazer front/rear	77-91
Suburban	
C10/C15/G10/G15	78-present
G20/G25	79-present
K10/K15/K20/K26 front	77-87
K10/K15 rear	82-present

Applications: All GM products with 8.5" & 8.6" ring gear.

NOTE: 542097 can be substituted for 542022 with a bearing change. Use LM102949, LM102911. The reverse case will not fit. 542022 cannot be substituted for the 542097.

542018, High Performance Series

Model Years: 1971-1988

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.73:1 & Up	28 Teeth	LM501349	LM501314

542050, Pro Series—Large bearing hub—unit includes differential bearings

Model Years: 1971-1988

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.73:1 & Up	28 Teeth	LM102949	LM102911

Special Note: Bearings provided with 542050, Pro Series Unit.

542022, High Performance Series

Model Years: 1989-1998

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.73:1 & Up	30 Teeth	LM501349	LM501314

542052, Pro Series—Large bearing hub—unit includes differential bearings

Model Years: 1989-1998

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.73:1 & Up	30 Teeth	LM102949	LM102911

Special Note: Bearings provided with 542052, Pro Series Unit.

542097, High Performance Series

Model Years: 1999-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.73:1 & Up	30 Teeth	LM603049	LM603012

542052, Pro Series

Model Years: 1999-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.73:1 & Up	30 Teeth	LM603049	LM603012

Special Note: Bearings provided in 542052, however if vehicle is '99 model year or newer, bearings will not be used. Use bearings specified above.

GM 8.5" & 8.6" 10 Bolt ... continued

545003

Model Years: 1971-1988

NOTE: 541070 bearing kit contains: (2) LM102949 (2) LM102911.



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.73:1 & Up	28 Teeth	LM102949	LM102911

545004

Model Years: 1989-1998



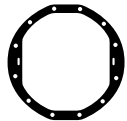
Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.73:1 & Up	30 Teeth	LM102949	LM102911

Model Years: 1999-Present



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.73:1 & Up	30 Teeth	LM603049	LM603012

GM 8⁷/₈" 12 Bolt – Car



10 7/8" 12 Holes, Oval

Make	Year
Chevrolet	64-72
Chevy II	64-72
Chevelle	64-72
Camaro	67-72
El Camino	65-72
Firebird	67-72
Grand Prix	70-72
GTO/LeMans	65-72
Monte Carlo	70-72
Nova	70-72
Olds F85	68-70

Applications: Chevrolet passenger car with 8⁷/₈" ring gear.

* "C" axle—3 Series Case

** "C" axle—4 Series Case

**5420104, High Performance Series

**542031, Pro Series

Model Years: 1964-1972

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
4.10:1 & Up	30 Teeth	LM603049	LM603012

**5420117, Pro Series—9310 Gear Material

Model Years: 1964-1972

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
4.10:1 & Up	33 Teeth	LM603049	LM603012

*5420106, High Performance Series

*542033, Pro Series

Model Years: 1964-1972

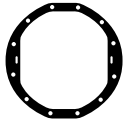
Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.07:1 to 3.73:1	30 Teeth	LM603049	LM603012

*5420118, Pro Series—9310 Gear Material

Model Years: 1964-1972

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.07:1 to 3.73:1	33 Teeth	LM603049	LM603012

GM 8⁷/₈" 12 Bolt – Car . . . continued



10 ⁷/₈" 12 Holes, Oval

Make	Year
Chevrolet	64-72
Chevy II	64-72
Chevelle	64-72
Camaro	67-72
El Camino	65-72
Firebird	67-72
Grand Prix	70-72
GTO/LeMans	65-72
Monte Carlo	70-72
Nova	70-72
Olds F85	68-70

Applications: Chevrolet passenger car with 8⁷/₈" ring gear.

* "C" axle-3 Series Case

** "C" axle-4 Series Case

*545008

Model Years: 1964-1972



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.07:1 to 3.73:1	30 Teeth	LM603049	LM603012

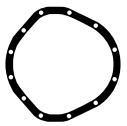
**545010

Model Years: 1964-1972



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
4.10:1 & Up	30 Teeth	LM603049	LM603012

GM 8⁷/₈" 12 Bolt – Truck



11 ¹/₂" 12 Holes, Irregular

Make	Year
1/2 ton Truck	64-82
3/4 ton Truck	64-82
G20, G25	69-81
G10, G15	69-81
K10, K15	64-82
C10, C15	64-82

Applications: Chevrolet truck with 8⁷/₈" ring gear.

* 3 Series Case

** 4 Series Case

**5420105, High Performance Series

**542032, Pro Series

Model Years: 1964-1982 1/2

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.73:1 & Up	30 Teeth	LM603049	LM603012

*5420107, High Performance Series

*542034, Pro Series

Model Years: 1964-1982 1/2

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.76:1 to 3.42:1	30 Teeth	LM603049	LM603012

*545009

Model Years: 1964-1982 1/2



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
2.76:1 to 3.42:1	30 Teeth	LM603049	LM603012

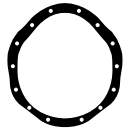
**545011

Model Years: 1964-1982 1/2



Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.73:1 & Up	30 Teeth	LM603049	LM603012

GM 9 1/2" 14 Bolt



12 1/8" x 13 5/16" 14 Holes, Irregular

Make	Year
C10, C15, C20	88-present
C30, C35	83-present
G20, G25	88-present
G10, G15	81-present
K10, K15	89-present
C10, C15	81-present

542087, High Performance Series

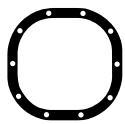
Model Years: 1981-Present

Applications: All GM products with 9 1/2" ring gear.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	33 Teeth	Set 42	Set 42

Autocross Road Race Units

Auburn Gear, Inc. has developed a performance limited-slip differential specifically for road racing—a differential case designed to allow the center pin to float along with the axle shafts. This design feature aids the driver when cornering, so that when the driver is turning, the outside wheel axle shaft will apply a force to the center pin, hence, the pinion gears will firmly seat the inside cone/side gear assembly giving the racer an extremely "tight" rear axle. The greater the G-force the more bite you get! If you are an avid road racer you'll want this unit. It'll allow you to pass your competition. **Hook Up** with an Auburn Road Race Performance Differential—you won't be disappointed.



10 9/16" x 10 13/16" 10 Holes, Oval

542039, Autocross Road Race Series

Model Years: 1979-Present

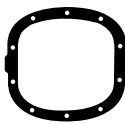
Applications: All Ford products with 8.8" ring gear. Accepts tone ring for ABS applications.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	28 Teeth	LM603049	LM603012

5420135, Autocross Road Race Series

Model Years: 1983-Present

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
All ratios	31 Teeth	LM603049	LM603012



8 5/16" x 10 9/16" 10 Holes, Oval

542088, Autocross Road Race Series

Model Years: 1988-Present

Applications: All GM products with 7 1/2" & 7 5/8" ring gear. Accepts tone ring for ABS applications.

Ratios	Side Gear Spline	Bearing Cone	Bearing Cup
3.23:1 & Up	28 Teeth	LM501349	LM501314

TIRE CHART

LISTED ARE THE MAXIMUM TIRE SIZES FOR THE AUBURN GEAR TRACTION DIFFERENTIAL APPLICATIONS

TIRE SIZE CHART	MAXIMUM TIRE SIZE										
Application	30"	31"	32"	33"	34"	35"	36"	37"	38"	39"	40"
AMC 20 12 bolt											
Chrysler 8 ¹ / ₄ " & 8 ³ / ₈ " 10 bolt											
Chrysler 8 ³ / ₄ " 10 bolt											
Chrysler 9 ¹ / ₄ " 12 bolt											
Dana 30											
Dana 35											
Dana 44											
Dana 50 front axle											
Dana 60											
Ford 7 ¹ / ₂ " 10 bolt											
Ford 8" 10 bolt											
Ford 8.8" 10 bolt											
Ford 9" 10 bolt											
Ford 9 ³ / ₄ " 12 bolt											
Ford 10 ¹ / ₄ " & 10 ¹ / ₂ " 12 bolt											
GM 7 ¹ / ₂ " & 7 ⁵ / ₈ " 10 bolt											
Chevy 8.2" 10 bolt											
B.O.P. 8.2" 10 bolt											
GM 8.2" / 8.4" 1955-64 10 bolt											
Corvette 1963-79 10 bolt											
GM 8.5" & 8.6" 10 bolt											
GM 8 ⁷ / ₈ " 12 bolt Car											
GM 8 ⁷ / ₈ " 12 bolt Truck											
GM 9 ¹ / ₂ " 14 bolt											
Toyota 8 ⁷ / ₈ " 12 bolt											
Toyota 8.0" 10 bolt											
Toyota 8.4" 10 bolt											
Toyota 9.5" 12 bolt											
Toyota 10.5" 12 bolt											

DIFFERENTIAL SERVICE KITS

APPLICATION	AG DIFF. PART NUMBER	SPRING RETAINER SERVICE KIT	PINION GEAR SERVICE KIT	PINION SHAFT SERVICE KIT
GM 7.5" & 7 ⁵ / ₈ "	542040, 41, 57, 58 542044, 45, 46, 47	541016 541017	541011 541011	541005 541005
GM 8.5" & 8.6"	542018, 22, 29, 97 542050, 52	541018 541019	541012 541012	541007 541007
GM 8.2"	542061, 108	541035	541036	541037
1963 -79 Corvette	542062, 63	541035	541036	541037
GM 8 ⁷ / ₈ " 12 Bolt, Car & Truck	542031, 32, 33, 34 5420104, 105, 106, 107	541022	541014	541009
GM 9.5"	542087	541043	541044	541042
Ford 7.5"	542023 542048	541016 541017	541011 541011	541006 541006
Ford 8.8", 28 Tooth	542024, 79 542053, 80	541018 541019	541012 541012	541007 541007
Ford 8.8", 31 Tooth	542025 542054	541020 541021	541013 541013	541008 541008
Ford 8" & 9"	542036, 43, 59	541023	541015	541010
Ford 9.75"	542090	541043	541044	541042
Ford 10 ¹ / ₄ "	542089	541045	541046	541047
Chrysler 9 ¹ / ₄ "	542070, 71	541038	541039	541040
Chrysler 8 ¹ / ₄ "	542072, 74	541041	541012	541007
Chrysler 8 ³ / ₄ "	542051	541022	541014	541024
AMC Model 20	542081	541019	541012	541007
Toyota Landcruiser	542030	541022	541014	541009
Toyota 8.0" & 8.4"	5420131, 32	541079	541080	541081
Toyota 9.5"	5420133	541038	541039	541082
Toyota 10.5"	5420134	541045	541046	541083
Dana Model 44	542082, 83, 84, 85 109,110,111,112	541019	541012	541007
Buick/Olds/Pontiac 8.2"	542060, 542099, 113, 114	541035	541036	541048
Chevy 8.4"	5420100	541041	541012	541049



Pinion Gear Service Kit



Spring Retainer Service Kit



Pinion Shaft Service Kit

NOTE: Also Available
Additive 504102
Single = (1) 6 oz. Bottle
Case = (25) 6 oz. Bottles

ECTED MAX SERVICE KITS

ECTED MAX APPLICATION	ECTED MAX PART NUMBER	WIRE HARNESS & SWITCH KIT	(8) COIL ASSEMBLY	(9) COIL BEARING	(7) CLUTCH KIT	(5) PINION SHAFT KIT	(1 THRU 7) MASTER KIT	AXLE SHAFT SPACER	DIFFERENTIAL BEARING KIT
Ford 8.8" with 28 Spline Axles	545001	541051	541052	541053	541054	541055	541057	N/A	N/A
Ford 8.8" with 31 Spline Axles (C-clip only)	545002	541051	541052	541053	541054	541056	541059	N/A	N/A
GM 8.5" with 28 Spline Axles	545003	541051	541052	541053	541054	541055	541057	N/A	541070
GM 8.5" with 30 Spline Axles	545004	541051	541052	541053	541054	541055	541058	N/A	(thru 1998) 541070
Ford 8.8" with 31 Spline Axles (IRS only)	545005	541051	541052	541053	541054	541056	541060	N/A	N/A
AMC 20	545006 & 07	541051	541052	541053	541054	541055	541061	541050	N/A
Chevrolet 12 Bolt, Car & Truck, 30 Spline Axles	545008, 09, 10, 11	541051	541052	541053	541054	541055	541062	N/A	N/A
Dana 35, 27 Spline Axles	545012 & 13	541051	541063	541053	541064	541065	541066	N/A	541070
Dana 35, 30 Spline Axles	545014 & 15	541051	541063	541053	541064	541065	541067	N/A	541070
Dana 30, 27 Spline Axles	545016 & 17	541051	541063	541053	541069	541065	541068	N/A	N/A
Dana 44, 30 Spline Axles	545018 & 19	541051	541063	541053	541072	541071	541073	N/A	N/A
Dana 50, 30 Spline Axles	545020	541051	541063	541053	541072	541071	541077	N/A	N/A

Note: 541070 Contains: (2)LM102949, (2)LM102911. See Page 4 for Part Number Kit Illustration.

AUBURN GEAR, INC. APPAREL



Hats

Khaki six-panel brushed cotton hat embroidered with our Auburn Gear logo on the front, and the Hook Up! logo on the back. Each hat includes a strap and buckle for size adjustment.

Price
\$10.00 each



T-Shirts

100% heavy-weight cotton T-shirts with Auburn Gear logo on the front pocket area, and our Hook Up! logo on the back. The shirt comes in a unique package that looks like a license plate (see inset photo).

Price
Large and X Large — \$15.00 each
XX Large — \$19.00 each

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State:	_____
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Item	Quantity	Size (L, XL, XXL)	Unit Price	Total Price
HAT		NOT APPLICABLE		
SHIRT				
Subtotal				
Indiana Customers add 7% Sales Tax				
TOTAL				

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Expiration Date: _____

Signature: _____

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