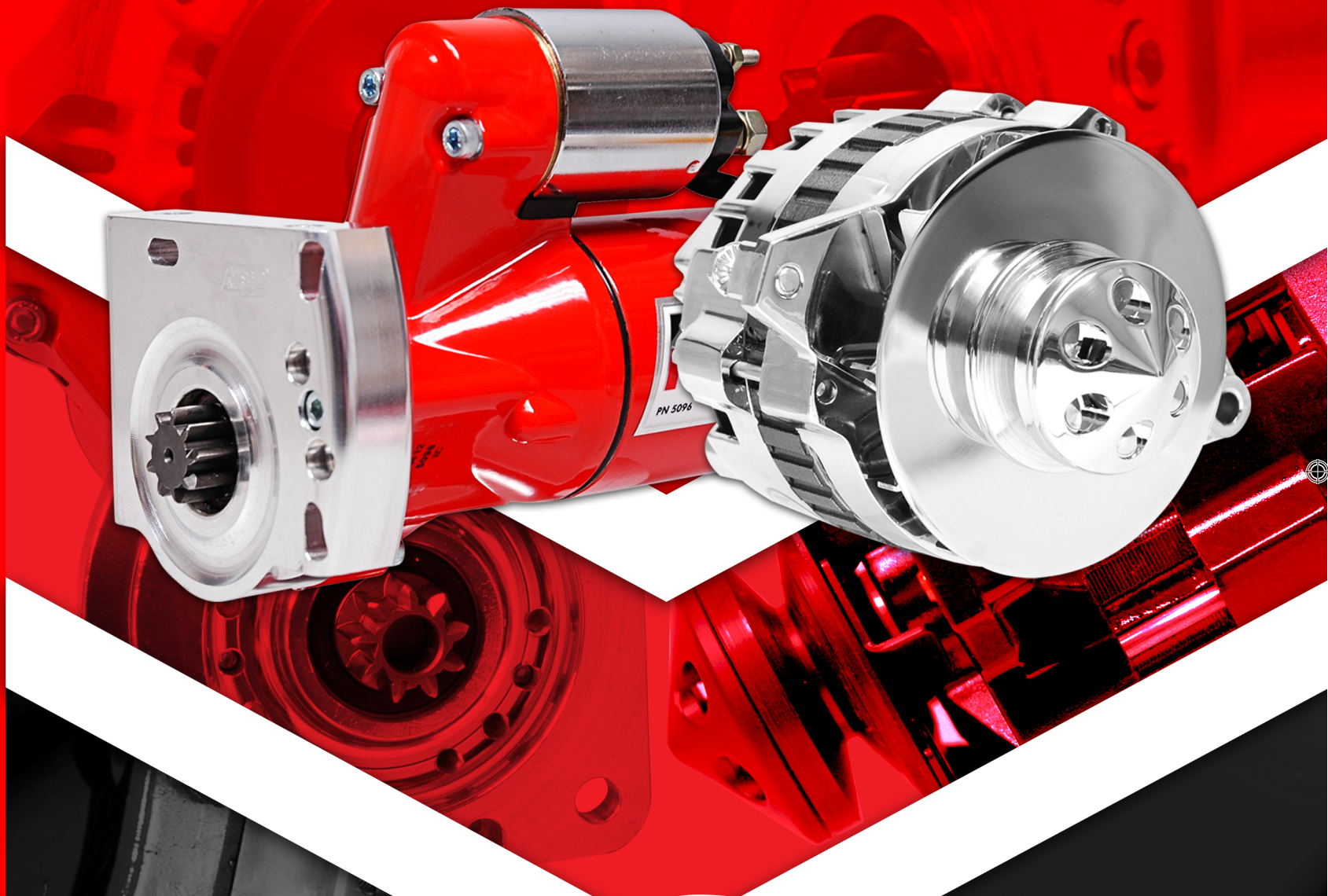


DYNAFORCE™



MSD®

DYNAFORCE

STARTERS | ALTERNATORS | HIGH SPEED STARTERS | RACE ALTERNATORS

MSDPERFORMANCE.COM

DYNAFORCE™

RACING ALTERNATORS

Alternators for the Track

The DynaForce race alternators are engineered to perform in severe racing environments. They're easily identified with their durable MSD red wrinkled finish and feature one wire installation. A benefit to the race units are that they can be used to charge either 12 or 16 volt electrical systems!

A compact lightweight Denso Style model delivers up to 50 amps, ideal for low content race cars such as circle track cars. For drag cars or other higher content race vehicles, there is a DynaForce 100 Amp output version.

50 Amp Denso Style

The 50 Amp DynaForce is based on a compact housing design commonly referred to as a 'Denso' housing. The unit accepts many aftermarket bracket assemblies to accommodate different applications.

100 Amp

The 100 Amp race unit is ready to charge your 12 or 16 volt system. There's an easy to adjust regulator within the unit that allows you to set it for your application 12 or 16 volts. The unit's baffle plate helps air flow across the stator windings and reinforces the fan blade under high rpm's. The mounting points are common to many GM and aftermarket based bracket systems.

100 Amp, 12/16 Volt, PN 5380

50 Amp, Denso Style, PN 5375

Accessories

Wire Harness Kit,

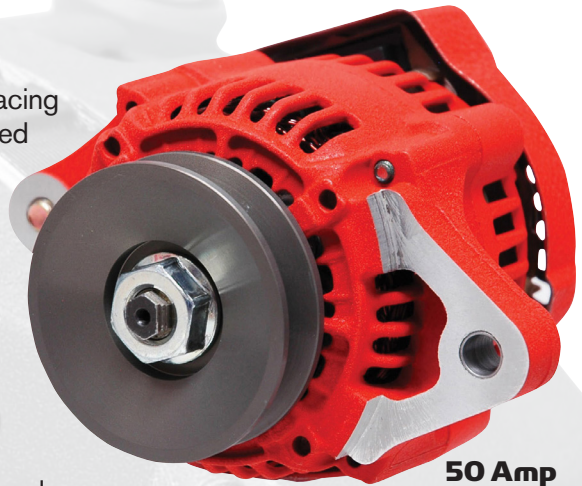
Battery to Alternator, **PN 5305**

* **Pulley, Serpentine 6-Groove, PN 5313**

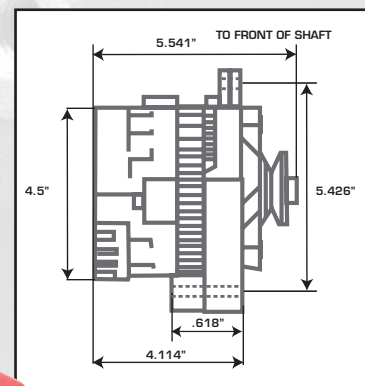
* **Pulley, Dual V-Belt, PN 5312**

* **Pulley, Single V-Belt, PN 5311**

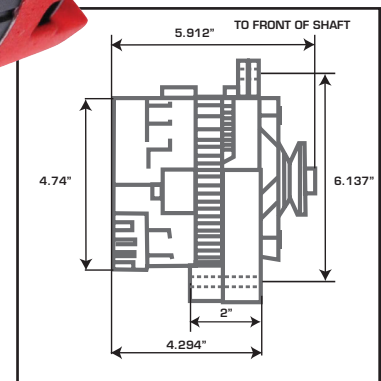
**Pulleys do not work with 50 Amp Denso style alternators.*



50 Amp



100 Amp



AND STARTERS

High Speed Starters

Anyone who struggles to crank their Chevy race engine because of an unreliable starter should check out the High Speed DynaForce Starter. This starter was designed for race engines using magnetos that require higher cranking speed. Its 25% extra speed will start the most stubborn of motors. Plus, the extreme durability built into these starters ensures they can handle the abuse racers dish out.

Chevy, 153/168 Tooth, PN 50952

Chevy, 10 Pitch/139 Tooth, PN 50953

Recommended for engines up to 700 cubic inches and larger.

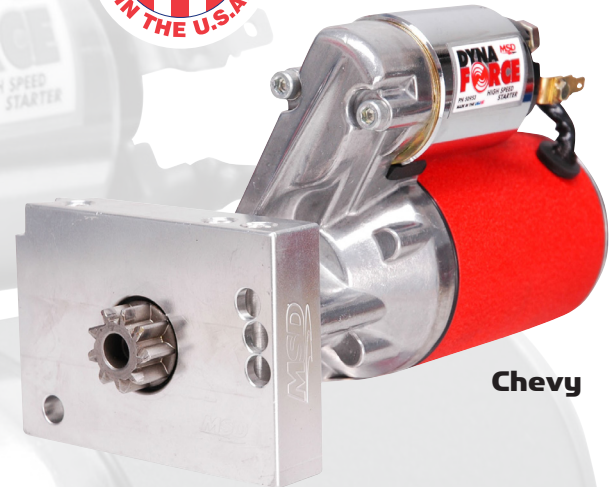
Chrysler, 318-440, PN 50982

Ford, 289, 302, 351W, PN 50902

Ford BB, 351M, 400, 429, PN 50922

	MSD Hi Speed
Torque Rated in Ft. Lbs.	200
Compression Ratio (Up To)	15:01
Chevy V8 -153 & 168 Tooth Flywheel (Straight Mount)	50952 *
Chevy 168 Tooth (Staggered Mount)	
GM LS-Series Engines	
Chevy 10-Pitch 139 Tooth (Flywheel Same O.D. as 168T)	50953 *
Pontiac/Oldsmobile V-8 326-455cid 1965-81	
Ford SB V-8 A/T & M/T w/157 Tooth Flywhl w/ 3/4" depth	
Ford SB V-8 M/T w/164T Flywheel w/ 3/8" depth	50902 *
Ford Big Block - 351M, 400, 429, 460	50922 *
Ford BB FE 390, 427, 428 184Tooth Flywheel	
AMC (All Except 4.0L)	
Jeep In-Line 232, 258, 4.0L	
Mopar SB, BB, Hemi, 318-440cid w/o nose cone	50982 *
Mopar SB, BB, Hemi, 318-440cid w/nose cone	

- **Additional 25% cranking speed**
- **For use with any engine requiring higher cranking RPM**
- **Perfect for magneto applications**
- **3.73:1 gear reduction**
- **Heavy duty high temp solenoid for 12-16 volt systems**
- **Plated disc and contacts reduce arching and increase continuity**
- **Billet aluminum adjustable mounting block**



Chevy



Chrysler



Ford



DYNAFORCE™

STREET ALTERNATORS

MSD knows ignition systems. With over 40 year's experience in performance and racing electronics, we know what it takes to get the most from your ignition. One of the most important components that ties all of your vehicles electronics together is the alternator. And MSD is excited to offer the DynaForce Alternator line!

MSD Dynaforce alternators are available in 120 and 160 amp and come in either chrome, natural, black or satin finish.

120 Amp Alternators

Natural Straight-Mount, **PN 5320**

Black Straight-Mount, **PN 5321**

Chrome Straight-Mount, **PN 5322**

Satin Straight-Mount, **PN 5323**

160 Amp Alternators

Natural Straight-Mount, **PN 5360**

Black Straight-Mount, **PN 5361**

Chrome Straight-Mount, **PN 5362**

Satin Straight-Mount, **PN 5363**

Accessories

Wire Harness Kit,

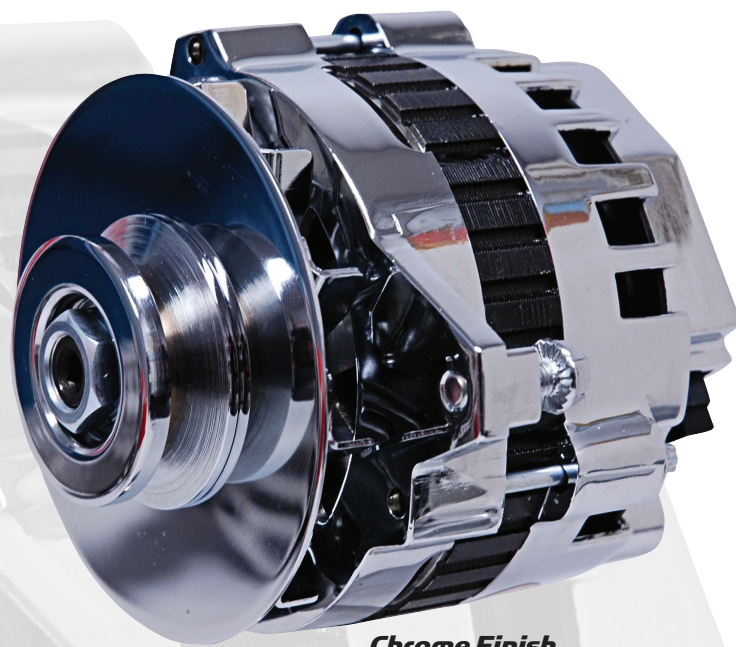
Battery to Alternator, **PN 5305**

* **Pulley, Serpentine 6-Groove, PN 5313**

* **Pulley, Dual V-Belt, PN 5312**

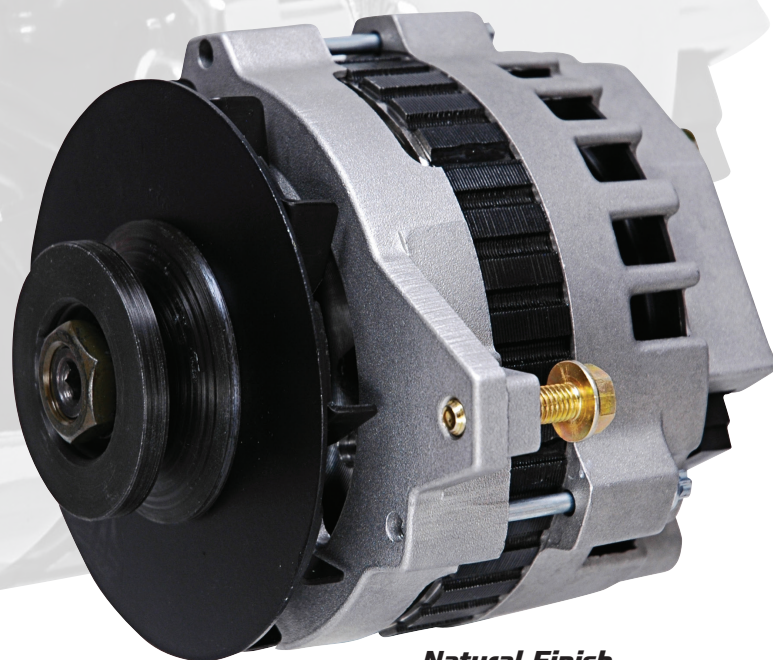
* **Pulley, Single V-Belt, PN 5311**

**Pulleys do not work with 50 Amp Denso style alternators.*



Chrome Finish

Available in 120 and 160 amp.



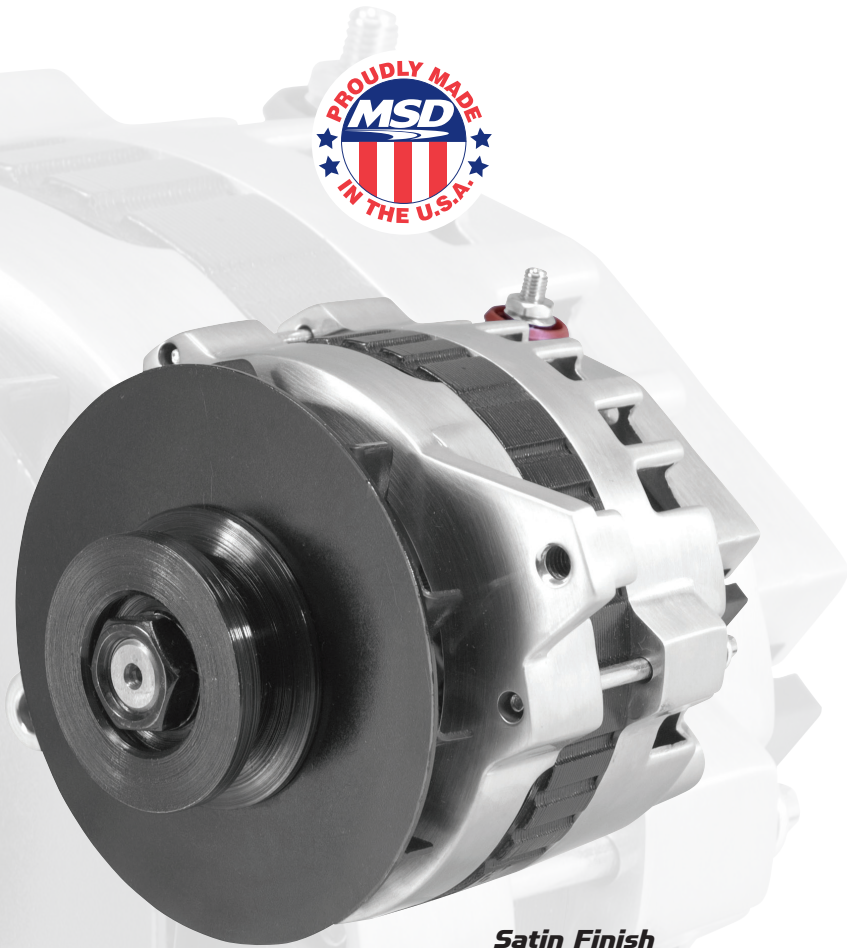
Natural Finish

Available in 120 and 160 amp.

MSDDYNAFORCE.COM



- **Designed for maximum output beginning at idle and progressing thru high RPM**
- **Full Baffle Plate protection for optimal safety and performance at high rev**
- **Side post engineering for easy installation**
- **Hand assembled in the USA and NEVER rebuilt or refurbished units**
- **One wire installation for 12 or 16 volt systems**
- **120 and 160 amp "Street" options to optimize performance**
- **Stator and dual plane balanced rotor are electronically balanced to deliver high RPM precision and reliability**

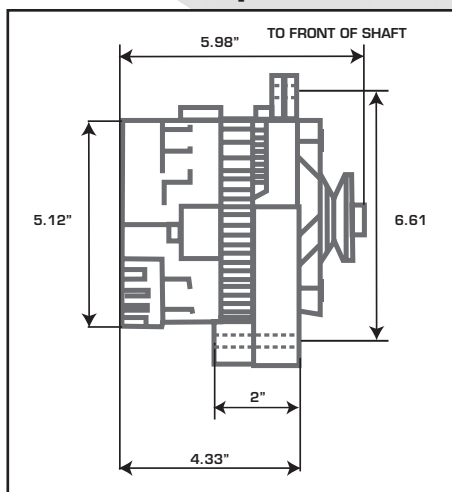


Satin Finish
Available in 120 and 160 amp.



Black Finish
Available in 120 and 160 amp.

120 and 160 Amp



DYNAFORCE™

STREET STARTERS

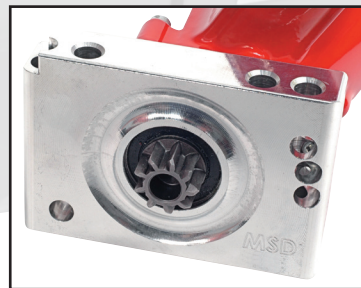
You may have all the spark energy you need, but if your starter won't spin the engine, you're not going anywhere. MSD's DynaForce Starters will crank your engine over to get it fired up every time! Our DynaForce Starters are designed to crank the highest compression engines on a hot day in Death Valley, it's good to know that you have the oomph to make it happen.

MSD DynaForce Starters are made to crank. A 3.4 horse motor spins a reduction set of gears with a 4.4:1 ration to deliver incredible torque. The armature is supported by ball bearings and we plate the internal contacts and disc to reduce arching while improving continuity.

- **Gear reduction of 4.4:1 improves torque to easily spin engines up to 18:1 compression**
- **3.4 horsepower motor provides power for high compression engines**
- **Ball bearing supported armature and pinion gear**
- **Downsized design helps clearance issues with oil pans and exhaust**
- **Billet aluminum mount can be clocked to assist in mounting issues**
- **Red powder coat for long lasting protection**



PN 5095
Chevy V8



The DynaForce mounting block can be positioned in different locations to help clear suspension parts, the oil pan and exhaust systems.

	MSD OE Replacement	MSD Hi Torque
Torque Rated in Ft. Lbs.	200	250 +
Compression Ratio (Up To)	18.0:1	18.0:1
Chevy V8 -153 & 168 Tooth Flywheel (Straight Mount)		5095
Chevy 168 Tooth (Staggered Mount)		50951
GM LS-Series Engines		5096
Chevy 10-Pitch 139 Tooth (Flywheel Same O.D. as 168T)		
Pontiac/Oldsmobile V-8 326-455cid 1965-81		5097
Ford SB V-8 A/T & M/T w/157 Tooth Flywhl w/ 3/4" depth		5090
Ford SB V-8 M/T w/164T Flywheel w/ 3/8" depth		50901
Ford Big Block - 351M, 400, 429, 460		5092
Ford BB FE 390, 427, 428 184Tooth Flywheel		5093
AMC (All Except 4.0L)		5099
Jeep In-Line 232, 258, 4.0L		5094
Mopar SB, BB, Hemi, 318-440cid w/o nose cone		50981
Mopar SB, BB, Hemi, 318-440cid w/nose cone	5098	

* Magneto/Alcohol Engines

MSDDYNAFORCE.COM

MSD Quality & Performance Right from the Start.



DynaForce™ Starters

Chevy V8, 153 and 168 Tooth Flywheels, **PN 5095**

NOTE: Mount is for straight bolt pattern.

Chevy 168 Tooth, Staggered Mount, **PN 50951**

GM LS-Series Engines, **PN 5096**

Ford Small Block, 289-351w, **PN 5090**

Ford Small Block, V8, 3/8th Depth, **PN 50901**

Ford Big Block, 351m, 400, 429, **PN 5092**

Ford FE 390, 427, 428, **PN 5093**

Pontiac/Olds 326, 455, **PN 5097**

AMC (All except 4.0L), **PN 5099**

Chrysler 318-440 Engines, **PN 5098**

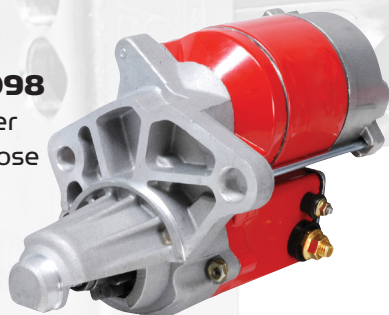
Chrysler High-Torque, 318-440, **PN 50981**

The Chrysler Starter is a compact replacement for everything from Small Blocks to 440 engines.

Jeep In-line 232, 258, 4.0L, **PN 5094**

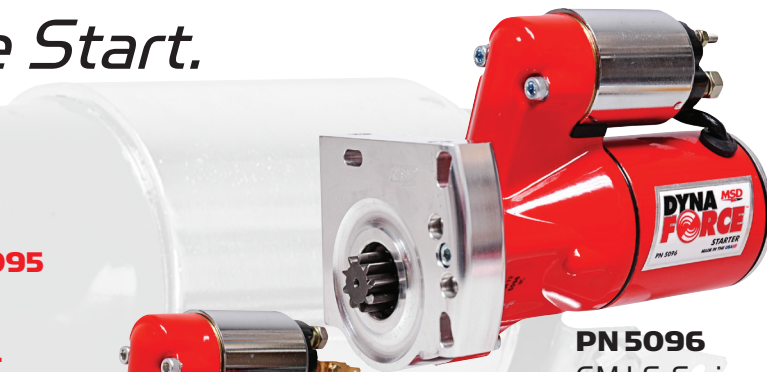
PN 5098

Chrysler with Nose Cone



PN 5096

GM LS-Series



PN 5090

Ford SB



PN 5097

Pontiac/Olds



PN 5099

AMC



PN 50981

Chrysler High Torque without Nose Cone



PN 5094

Jeep In-line



Service Parts

Solenoid

GM LS, PN 5096, **PN 5086**

Other models, **PN 5087**

Gear Clutch Assembly

For PN 5090, PN 5095 and

PN 5096, **PN 5089**



PN 5086



PN 5087



PN 5089





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TECH LINE: 915-855-7123

FRM 31835