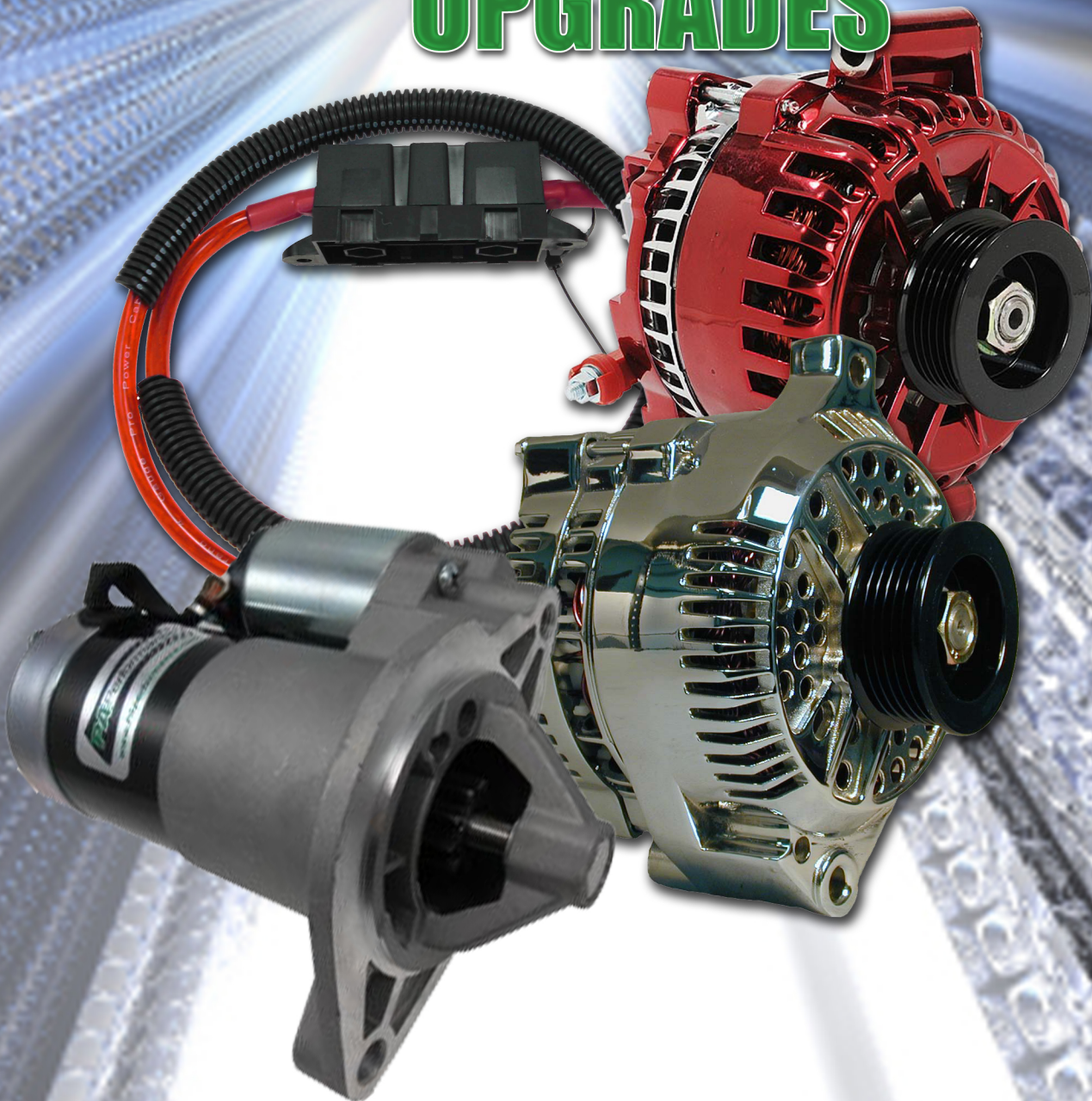


**PA** *Performance*

# HIGH OUTPUT ALTERNATOR & STARTER UPGRADES





## How an Alternator Works

An alternator makes power by rotating a magnetic field through a conductor. To better understand this we must go over the main components of the alternator.



**Rotor** - The rotor is the rotating winding or mass inside of the alternator. The rotor consists of a coil of copper contained within two pieces of steel. The coil is one continuous piece of copper that connects to the copper slip ring at the top of the rotor. When opposing charges are applied to either side of the coil it creates an electromagnet. So there is our magnetic field.

**Stator** - The stator is a collection of steel laminates all sandwiched together with multiple strands of copper woven throughout it. Just as the rotor is the rotating winding, the stator is the fixed or stationary winding. The rotor rotates within the stator making it our conductor.

**Voltage Regulator** - The voltage regulator serves two functions. The first function is to field the rotor which means it provides the current to either side of the coil inside the rotor creating the magnetic field. The second function is actually a part of the first function. When the regulator fields the rotor it controls the voltage output by varying the field current supplied.

**Rectifier** - The rectifier changes alternating current (AC) to direct current (DC). The raw power that comes from the stator is actually alternating current or AC. The rectifier takes this AC and through a series of diodes which converts it to direct current or DC which is what your vehicle uses.

To sum up how this works; power is provided to the voltage regulator which fields the rotor causing it to create magnetism. Then the rotation of the engine turns the alternator pulley which turns the rotor. By rotating the magnetic field inside of the stator AC current is produced. This AC current is passed through the rectifier and turned into DC current which is then fed to the battery in the vehicle.

## **Common Charging System Problems**

### **Voltage is normal while driving but drops off when sitting at idle.**

This condition is predominantly caused by the alternator spinning too slow at idle. The common reason this happens is adding under drive pulleys to a vehicle. Where a normal factory ratio puts the alternator shaft speed at idle around 2,000 RPM's, a vehicle with under drive pulleys typically spins the alternator around 1,600 RPM's at idle. This is too slow for the alternator to operate, to correct this the pulley ratio must be adjusted.

### **Voltage is higher than 14.8 volts.**

This condition can be caused by a few issues. However unlikely the voltage regulator could be faulty. This used to be a common occurrence with old mechanical regulators but the new solid state regulators are not prone to this failure. The more likely issue could be resistance in the yellow sense wire going to the regulator plug. The sense wire provides a reference voltage to the regulator to tell it how much voltage to produce. If the regulator thinks that the battery voltage is less than what it really is the regulator compensates with a higher voltage.

### **The alternator is charging but not charging well.**

To start with the rotating electrical industry has determined that the operational range for an alternator is 12.6v-14.8v. If the voltage is within that range the alternator is working. Here are a few reasons that could cause low output.

### **Using an undersized alternator for the application.**

**Poor belt tension or a worn out belt could cause the belt to slip which in turn will cause the alternator to not spin fast enough or charge.**

### **High Resistance between the alternator and the battery.**

**Excessive heat can cause poor output. This is not generally a problem on normal applications. In some applications the alternator is re-located and run backwards - with the internal fans designed to work in one direction this makes them ineffective and heat will increase. There is no solution for this and reverse rotation fans are not available at present time.**

## Repair Plugs and Conversion Plugs

- **462802** - This is a repair plug for 2G/3G/4G alternators.
- **462804** - This is a stator plug for 3G alternators.
- **462802N** - This is a repair plug for Dodge and Jeep alternators.
- **462802A** - This is a conversion plug to upgrade to a 3G alternator on a 1986 Mustang with a 2 wire regulator plug.
- **462802B** - This is a conversion plug to upgrade to a 3G alternator on a Ford vehicle that has no existing factory wiring.
- **462802C** - This is a conversion plug to upgrade to a 3G alternator from an earlier 1G alternator utilizing the factory wiring.
- **462802D** - This is a conversion plug to go from a 6G alternator to a 3G/4G alternator. Most common on a Bullitt Mustang conversion.
- **462802K** - This is a conversion plug to go from an earlier 10/12 SI alternator to a CS130 or CS144.
- **9901** - This is a conversion kit to upgrade from a 2G (3 wire) to a 3G alternator. This is included with alternators that are for that purpose.



## Power Wire Kits



- **9903** - This is a standard power wire kit that is 110" long made of 4 ga wire with a 200A in line fuse.
- **9902** - This is a premium power wire kit that is 110" long made of 4 ga wire with a 200A in line fuse. The premium wire has noise suppression built into it which is beneficial to applications with large stereo systems.
- **9904** - This is a standard power wire kit that is 30" long made of 4 ga wire with a 200A in line fuse.
- **9905** - This is a premium power wire kit that is 30" long made of 4 ga wire with a 200A in line fuse. The premium wire has noise suppression built into it which is beneficial to applications with large stereo systems.
- **9907** - This is a premium power wire kit that is 75" long made of 4 ga wire with a 200a in line fuse. This kit was designed specifically for the 2007-2013 Shelby and similar Mustangs where the alternator is located underneath on the driver side and the battery is on the passenger side firewall. The premium wire has noise suppression built into it which is beneficial to applications with large stereo systems.
- **9909** - This is a premium power wire kit that is 48" long made of 4 ga wire with a 200A in line fuse. The premium wire has noise suppression built into it which is beneficial to applications with large stereo systems.

## 3G/4G Alternator Diagnosis

1. Check the state of the battery.
  - a. A battery in good working condition will show between 12V-12.5vdc with nothing drawing on it. If your battery is below that level chances are you have a bad battery.
2. Compare voltage at the battery to voltage at the output post of the alternator.
  - a. There should be very little drop in voltage from the battery to the output post of the alternator. Any significant resistance on this wire could be detrimental to the operation of the alternator.
  - b. If you show 0 voltage at the output post of the alternator check the fuse or fusible link in the power wire going to the battery as it may be blown.
3. Check the voltage on the 3 wire Regulator Plug.
  - a. Green wire with red stripe - This wire is the ignition key on/key off. With the key in the on position (Car Not Running!) this wire should read  $\frac{1}{2}$  to 1.0 volt less than battery voltage.
  - b. White Wire (3G only) - This wire is called the stator wire. This wire needs continuity from the voltage regulator plug to the grey clip that plugs into the alternator. It only has power when the engine is running and the alternator is charging. As long as it is connected nothing needs to be done.
  - c. Yellow wire - This wire is called the sense wire and is a reference wire for the voltage regulator so it knows how much voltage to produce. This wire should equal battery voltage at all times.
4. Grounds. Modern alternators use the aluminum case for chassis ground. Make sure all bracket mounting points are clean and free from paint and powder coating. This also applies to the mounting points on the engine and brackets. A poor or missing ground will prevent the alternator from charging; create high resistance, or intermittent charging. In some cases damage to the alternator will result.

\*\* Never under any circumstances remove the battery cable while the car is running! Doing this can damage the internal voltage regulator making the alternator no longer charge. This test only worked on early cars that had very low draw and an external mechanical voltage regulator. \*\*

## 6G Alternator Diagnosis

(With Grey or Black Regulator)

1. Check the state of the battery.
  - a. A battery in good working condition will show between 12V-12.5vdc with nothing drawing on it. If your battery is below that level chances are you have a bad battery.
2. Compare voltage at the battery to voltage at the output post of the alternator.
  - a. There should be very little drop in voltage from the battery to the output post of the alternator. Any significant resistance on this wire could be detrimental to the operation of the alternator.
  - b. If you show 0 voltage at the output post of the alternator check the fuse or fusible link in the power wire going to the battery as it may be blown.
3. Check the voltage on the 2 wire Regulator Plug (Your vehicle may have a 3 wire plug; the middle wire is feedback to the car and does not affect the operation of the alternator.) Some vehicles do not have a center wire.
  - a. Green wire with red stripe- This wire is the ignition key on/key off. With the key in the on position (Car Not Running!) this wire should read between ½ to 1 volt less than battery voltage.
  - b. Yellow wire- This wire is called the sense wire and is a reference wire for the voltage regulator so it knows how much voltage to produce. This wire should equal battery voltage at all times.
4. Grounds. Modern alternators use the aluminum case for chassis ground. Make sure all bracket mounting points are clean and free from paint and powder coating. This also applies to the mounting points on the engine and brackets. A poor or missing ground will prevent the alternator from charging; create high resistance, or intermittent charging. In some cases damage to the alternator will result.

**\*\*If your vehicle has a white regulator you can perform steps 1 and 2. You cannot check the leads going to the voltage regulator as the white voltage regulators are controlled by the vehicle's PCM. \*\***

**\*\* Never under any circumstances remove the battery cable while the car is running! Doing this can damage the internal voltage regulator making the alternator no longer charge. This test only worked on early cars that had very low draw and an external mechanical voltage regulator. \*\***

## 5.9 Cummins Diesel

### Alternator

| Engine | Year      | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|-----------|--------|-------------|------------|----------------|--------|----------------------|
| 5.9    | 1989-1998 | 2087   | 80A         | 160A       | 60A-115A       | 8S     | None                 |
| 5.9    | 1999-2002 | 2227   | 80A         | 160A       | 115A-136A      | 8S     | None                 |
| 5.9    | 1999-2002 | 2227HO | 100A        | 200A       | 115A-136A      | 8S     | None                 |
| 5.9    | 1999-2002 | 1104   | 120A        | 180A       | 115A-136A      | 8S     | None                 |
| 5.9    | 2003-2008 | 2877   | 80A         | 160A       | 136A           | 8S     | None                 |
| 5.9    | 2003-2008 | 2587   | 140A        | 180A       | 136A           | 8S     | None                 |

### Starter

| Engine | Year      | Part# | Output | Modifications Needed |
|--------|-----------|-------|--------|----------------------|
| 5.9    | 1994-2002 | 1739  | 2.7kW  | None                 |
| 5.9    | 2003-2006 | 2455  | 2.7kW  | None                 |

# Bronco

## Alternator

| Engine | Year                                            | Part#   | Idle Output | Max Output | Factory Output | Pulley          | Modifications Needed            |
|--------|-------------------------------------------------|---------|-------------|------------|----------------|-----------------|---------------------------------|
| 3.3    | 1973-1974                                       | 1614E   | 60A         | 120A       | 40A-100A       | 1-V             | Kit#462802C, Power Wire Upgrade |
| 3.3    | 1973-1974                                       | 1619E   | 80A         | 160A       | 40A-100A       | 1-V             | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1980-1985 w/15mm Top Ear                        | 1611M   | 80A         | 160A       | 40A-100A       | 2-V             | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1980-1985 w/15mm Top Ear                        | 1611MHO | 100A        | 200A       | 40A-100A       | 2-V             | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1980-1985 w/21mm Top Ear                        | 1614E   | 60A         | 120A       | 40A-100A       | 2-V             | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1980-1985 w/21mm Top Ear                        | 1619E   | 80A         | 160A       | 40A-100A       | 2-V             | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1980-1985 w/21mm Top Ear                        | 1619HO  | 100A        | 200A       | 40A-100A       | 2-V             | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1986 w/Ext Regulator, 15mm Top Ear              | 1611M   | 80A         | 160A       | 40A-100A       | 2-V             | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1986 w/Ext Regulator, 15mm Top Ear              | 1611MHO | 100A        | 200A       | 40A-100A       | 2-V             | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1986 w/Ext Regulator, 21mm Top Ear              | 1614E   | 60A         | 120A       | 40A-100A       | 2-V             | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1986 w/Ext Regulator, 21mm Top Ear              | 1619E   | 80A         | 160A       | 40A-100A       | 2-V             | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1986 w/Ext Regulator, 21mm Top Ear              | 1619HO  | 100A        | 200A       | 40A-100A       | 2-V             | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1986 w/Int Regulator 2-Wire                     | 1614E   | 60A         | 120A       | 75A            | 6S              | Kit#462802A, Power Wire Upgrade |
| 4.9    | 1986 w/Int Regulator 2-Wire                     | 1619E   | 80A         | 160A       | 75A            | 6S              | Kit#462802A, Power Wire Upgrade |
| 4.9    | 1986 w/Int Regulator 2-Wire                     | 1619HO  | 100A        | 200A       | 75A            | 6S              | Kit#462802A, Power Wire Upgrade |
| 4.9    | 1986 w/Int Regulator 3-Wire                     | 1614L   | 60A         | 120A       | 75A            | 6S              | Kit#9901, Power Wire Upgrade    |
| 4.9    | 1986 w/Int Regulator 3-Wire                     | 1619    | 80A         | 160A       | 75A            | 6S              | Kit#9901, Power Wire Upgrade    |
| 4.9    | 1986 w/Int Regulator 3-Wire                     | 1619HO  | 100A        | 200A       | 75A            | 6S              | Kit#9901, Power Wire Upgrade    |
| 4.9    | 1987-1989 w/Ext Regulator, 15mm Top Ear         | 1611M   | 80A         | 160A       | 40A-100A       | 6S              | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1987-1989 w/Ext Regulator, 15mm Top Ear         | 1611MHO | 100A        | 200A       | 40A-100A       | 6S              | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1987-1989 w/Ext Regulator, 21mm Top Ear         | 1614E   | 60A         | 120A       | 40A-100A       | 6S              | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1987-1989 w/Ext Regulator, 21mm Top Ear         | 1619E   | 80A         | 160A       | 40A-100A       | 6S              | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1987-1989 w/Ext Regulator, 21mm Top Ear         | 1619HO  | 100A        | 200A       | 40A-100A       | 6S              | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1987-1989 w/Int Regulator, Straight Mtg, 2-Wire | 1614L   | 60A         | 120A       | 75A            | 6S              | Kit#462802A, Power Wire Upgrade |
| 4.9    | 1987-1989 w/Int Regulator, Straight Mtg, 2-Wire | 1619    | 80A         | 160A       | 75A            | 6S              | Kit#462802A, Power Wire Upgrade |
| 4.9    | 1987-1989 w/Int Regulator, Straight Mtg, 2-Wire | 1619HO  | 100A        | 200A       | 75A            | 6S              | Kit#462802A, Power Wire Upgrade |
| 4.9    | 1987-1989 w/Int Regulator, Straight Mtg, 3-Wire | 1614L   | 60A         | 120A       | 75A            | 6S              | Kit#9901, Power Wire Upgrade    |
| 4.9    | 1987-1989 w/Int Regulator, Straight Mtg, 3-Wire | 1619    | 80A         | 160A       | 75A            | 6S              | Kit#9901, Power Wire Upgrade    |
| 4.9    | 1987-1989 w/Int Regulator, Straight Mtg, 3-Wire | 1619HO  | 100A        | 200A       | 75A            | 6S              | Kit#9901, Power Wire Upgrade    |
| 4.9    | 1987-1989 w/Int Regulator, Offset Mtg, 2-Wire   | 1610    | 60A         | 120A       | 75A            | 6S              | Kit#462802A, Power Wire Upgrade |
| 4.9    | 1987-1989 w/Int Regulator, Offset Mtg, 2-Wire   | 1610HO  | 70A         | 150A       | 75A            | 6S              | Kit#462802A, Power Wire Upgrade |
| 4.9    | 1987-1989 w/Int Regulator, Offset Mtg, 3-Wire   | 1610    | 60A         | 120A       | 75A            | 6S              | Kit#9901, Power Wire Upgrade    |
| 4.9    | 1987-1989 w/Int Regulator, Offset Mtg, 3-Wire   | 1610HO  | 70A         | 150A       | 75A            | 6S              | Kit#9901, Power Wire Upgrade    |
| 5      | 1973-1979                                       | 1614E   | 60A         | 120A       | 40A-100A       | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5      | 1973-1979                                       | 1619E   | 80A         | 160A       | 40A-100A       | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5      | 1973-1979                                       | 1619HO  | 100A        | 200A       | 40A-100A       | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5      | 1980-1985 w/15mm Top Ear                        | 1611M   | 80A         | 160A       | 40A-100A       | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5      | 1980-1985 w/15mm Top Ear                        | 1611MHO | 100A        | 200A       | 40A-100A       | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5      | 1980-1985 w/21mm Top Ear                        | 1614E   | 60A         | 120A       | 40A-100A       | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5      | 1980-1985 w/21mm Top Ear                        | 1619E   | 80A         | 160A       | 40A-100A       | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5      | 1980-1985 w/21mm Top Ear                        | 1619HO  | 100A        | 200A       | 40A-100A       | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5      | 1986-1989 w/Ext Regulator, 15mm Top Ear         | 1611M   | 80A         | 160A       | 40A-100A       | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |



|     |                                            |         |      |      |          |                 |                                 |
|-----|--------------------------------------------|---------|------|------|----------|-----------------|---------------------------------|
| 5   | 1986-1989 w/Ext Regulator,<br>15mm Top Ear | 1611MHO | 100A | 200a | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5   | 1986-1989 w/Ext Regulator,<br>21mm Top Ear | 1614E   | 60A  | 120A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5   | 1986-1989 w/Ext Regulator,<br>21mm Top Ear | 1619E   | 80A  | 160A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5   | 1986-1989 w/Ext Regulator,<br>21mm Top Ear | 1619HO  | 100A | 200A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5   | 1986-1989 w/Int Regulator,<br>2-Wire       | 1614E   | 60A  | 120A | 75A      | 1-V, 2-V, or 6S | Kit#462802A, Power Wire Upgrade |
| 5   | 1986-1989 w/Int Regulator,<br>2-Wire       | 1619E   | 80A  | 160A | 75A      | 1-V, 2-V, or 6S | Kit#462802A, Power Wire Upgrade |
| 5   | 1986-1989 w/Int Regulator,<br>2-Wire       | 1619HO  | 100A | 200A | 75A      | 1-V, 2-V, or 6S | Kit#462802A, Power Wire Upgrade |
| 5   | 1986-1989 w/Int Regulator,<br>3-Wire       | 1614L   | 60A  | 120A | 75A      | 1-V, 2-V, or 6S | Kit#9901, Power Wire Upgrade    |
| 5   | 1986-1989 w/Int Regulator,<br>3-Wire       | 1619    | 80A  | 160A | 75A      | 1-V, 2-V, or 6S | Kit#9901, Power Wire Upgrade    |
| 5   | 1986-1989 w/Int Regulator,<br>3-Wire       | 1619HO  | 100A | 200A | 75A      | 1-V, 2-V, or 6S | Kit#9901, Power Wire Upgrade    |
| 5   | 1990-1992 w/2-Wire                         | 1614E   | 60A  | 120A | 75A      | 6S              | Kit#462802A, Power Wire Upgrade |
| 5   | 1990-1992 w/2-Wire                         | 1619E   | 80A  | 160A | 75A      | 6S              | Kit#462802A, Power Wire Upgrade |
| 5   | 1990-1992 w/2-Wire                         | 1619HO  | 100A | 200A | 75A      | 6S              | Kit#462802A, Power Wire Upgrade |
| 5   | 1992-1992 w/3-Wire                         | 1614L   | 60A  | 120A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5   | 1992-1992 w/3-Wire                         | 1619    | 80A  | 160A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5   | 1992-1992 w/3-Wire                         | 1619HO  | 100A | 200A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5   | 1993-1996                                  | 1431    | 60A  | 120A | 95A      | 6S              | None                            |
| 5   | 1993-1996                                  | 1613    | 80A  | 160A | 95A      | 6S              | Power Wire Upgrade              |
| 5   | 1993-1996                                  | 1613HO  | 100A | 200A | 95A      | 6S              | Power Wire Upgrade              |
| 5.8 | 1980-1985 w/15mm Top Ear                   | 1611M   | 80A  | 160A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1980-1985 w/15mm Top Ear                   | 1611MHO | 100A | 200A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1980-1985 w/21mm Top Ear                   | 1614E   | 60A  | 120A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1980-1985 w/21mm Top Ear                   | 1619E   | 80A  | 160A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1980-1985 w/21mm Top Ear                   | 1619HO  | 100A | 200A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1986-1989 w/Ext Regulator,<br>15mm Top Ear | 1611M   | 80A  | 160A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1986-1989 w/Ext Regulator,<br>15mm Top Ear | 1611MHO | 100A | 200A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1986-1989 w/Ext Regulator,<br>21mm Top Ear | 1614E   | 60A  | 120A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1986-1989 w/Ext Regulator,<br>21mm Top Ear | 1619E   | 80A  | 160A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1986-1989 w/Ext Regulator,<br>21mm Top Ear | 1619HO  | 100A | 200A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1986-1989 w/Int Regulator,<br>2-Wire       | 1614E   | 60A  | 120A | 75A      | 1-V, 2-V, or 6S | Kit#462802A, Power Wire Upgrade |
| 5.8 | 1986-1989 w/Int Regulator,<br>2-Wire       | 1619E   | 80A  | 160A | 75A      | 1-V, 2-V, or 6S | Kit#462802A, Power Wire Upgrade |
| 5.8 | 1986-1989 w/Int Regulator,<br>2-Wire       | 1619HO  | 100A | 200A | 75A      | 1-V, 2-V, or 6S | Kit#462802A, Power Wire Upgrade |
| 5.8 | 1986-1989 w/Int Regulator,<br>3-Wire       | 1614L   | 60A  | 120A | 75A      | 1-V, 2-V, or 6S | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1986-1989 w/Int Regulator,<br>3-Wire       | 1619    | 80A  | 160A | 75A      | 1-V, 2-V, or 6S | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1986-1989 w/Int Regulator,<br>3-Wire       | 1619HO  | 100A | 200A | 75A      | 1-V, 2-V, or 6S | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1990-1992 w/2-Wire                         | 1614E   | 60A  | 120A | 75A      | 6S              | Kit#462802A, Power Wire Upgrade |
| 5.8 | 1990-1992 w/2-Wire                         | 1619E   | 80A  | 160A | 75A      | 6S              | Kit#462802A, Power Wire Upgrade |
| 5.8 | 1990-1992 w/2-Wire                         | 1619HO  | 100A | 200A | 75A      | 6S              | Kit#462802A, Power Wire Upgrade |
| 5.8 | 1992-1992 w/3-Wire                         | 1614L   | 60A  | 120A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1992-1992 w/3-Wire                         | 1619    | 80A  | 160A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1992-1992 w/3-Wire                         | 1619HO  | 100A | 200A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1993-1996                                  | 1431    | 60A  | 120A | 95A      | 6S              | None                            |
| 5.8 | 1993-1996                                  | 1613    | 80A  | 160A | 95A      | 6S              | Power Wire Upgrade              |
| 5.8 | 1993-1996                                  | 1613HO  | 100A | 200A | 95A      | 6S              | Power Wire Upgrade              |

**Starter**

| Year                        | Output | Modifications Needed |
|-----------------------------|--------|----------------------|
| 1980-1991 w/Auto            | 1.4kW  | Kit#9906             |
| 1980-1991 w/Man             | 1.4kW  | Kit#9906             |
| 1992 w/Auto                 | 1.4kW  | None                 |
| 1992 w/Man                  | 1.4kW  | None                 |
| 1973-1977, 1980-1991 w/Auto | 1.4kW  | Kit#9906             |
| 1973-1977, 1980-1991 w/Man  | 1.4kW  | Kit#9906             |
| 1992-1996 w/Auto            | 1.4kW  | None                 |
| 1992-1996 w/Man             | 1.4kW  | None                 |
| 1978-1979                   | 1.4kW  | Kit#9906             |
| 1980-1991 w/Auto            | 1.4kW  | Kit#9906             |
| 1980-1991 w/Man             | 1.4kW  | Kit#9906             |
| 1992-1996 w/Auto            | 1.4kW  | None                 |
| 1992-1996 w/Man             | 1.4kW  | None                 |

**Crown Victoria****Alternator**

| Engine | Year                                 | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|--------------------------------------|--------|-------------|------------|----------------|--------|----------------------|
| 4.6    | 1992-1994 exc Police Opt             | 1609   | 60A         | 120A       | 95A            | 6S     | None                 |
| 4.6    | 1992-1994 exc Police Opt             | 1609HO | 70A         | 150A       | 95A            | 6S     | Power Wire Upgrade   |
| 4.6    | 1992 Police Opt                      | 1612   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4.6    | 1992 Police Opt                      | 1612HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 1993-1994 Police Opt                 | 1620   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4.6    | 1993-1994 Police Opt                 | 1620HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 1995 exc Police Opt                  | 1989   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4.6    | 1995 exc Police Opt                  | 1989HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 1995 Police Opt                      | 1620   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4.6    | 1995 Police Opt                      | 1620HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 1996-2002 Police Opt                 | 1989   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4.6    | 1996-2002 Police Opt                 | 1989HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 1996-2002 Natural Gas Opt            | 1988   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4.6    | 1996-2002 Natural Gas Opt            | 1988HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 1996-1997 Std                        | 1989   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4.6    | 1996-1997 Std                        | 1989HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 1999-2002 Std                        | 1904   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4.6    | 1999-2002 Std                        | 1904HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 2003-2004 exc Police Opt             | 1988   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4.6    | 2003-2004 exc Police Opt             | 1988HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 2005-2008 exc Police Opt             | 2433   | 80A         | 160A       | 135A           | 6S     | None                 |
| 4.6    | 2005-2008 exc Police Opt             | 2433HO | 100A        | 200A       | 135A           | 6S     | Power Wire Upgrade   |
| 4.6    | 2003-2006 Natural Gas Opt            | 2433   | 80A         | 160A       | 135A           | 6S     | None                 |
| 4.6    | 2003-2006 Natural Gas Opt            | 2433HO | 100A        | 200A       | 135A           | 6S     | Power Wire Upgrade   |
| 4.6    | 2003-2004 Police Opt Motorcraft Unit | 2433   | 80A         | 160A       | 135A           | 6S     | None                 |
| 4.6    | 2003-2004 Police Opt Motorcraft Unit | 2433HO | 100A        | 200A       | 135A           | 6S     | Power Wire Upgrade   |

**Starter**

| Engine | Year           | Part# | Output | Modifications Needed |
|--------|----------------|-------|--------|----------------------|
| 4.6    | 1992 from 2/92 | 1799  | 1.5kW  | None                 |
| 4.6    | 1992 to 2/92   | 1884  | 1.4kW  | None                 |
| 4.6    | 1996-2009      | 1799  | 1.5kW  | None                 |

**Escort****Alternator**

| Engine | Year              | Part# | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed            |
|--------|-------------------|-------|-------------|------------|----------------|--------|---------------------------------|
| 1.6    | 1981-1983         | 1614E | 60A         | 120A       | 40A-100A       | 5S     | Kit#462802C, Power Wire Upgrade |
| 2      | 1997              | 2049  | 60A         | 120A       | 75A            | 6S     | None                            |
| 2      | 1998-2000 exc ZX2 | 2049  | 60A         | 120A       | 75A            | 6S     | None                            |
| 2      | 1998-2000 ZX2     | 1431  | 60A         | 120A       | 95A            | 6S     | None                            |
| 2      | 2001-2002         | 2160  | 60A         | 120A       | 95A            | 6S     | None                            |

**Starter**

| Engine | Year              | Part# | Output | Modifications Needed |
|--------|-------------------|-------|--------|----------------------|
| All    | 1982-1990         | 1558  | 1.4kW  | Kit#9906             |
| 1.8    | 1991-1996         | 1918  | 1.4kW  | None                 |
| 1.9    | 1991-1996         | 1888  | 1.4kW  | None                 |
| 2      | 1997              | 1888  | 1.4kW  | None                 |
| 2      | 1998-2001 exc ZX2 | 1888  | 1.4kW  | None                 |
| 2      | 1998-2001 ZX2     | 1755  | 1.4kW  | None                 |
| 2      | 2002              | 1755  | 1.4kW  | None                 |

**Excursion****Alternator**

| Engine | Year      | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|-----------|--------|-------------|------------|----------------|--------|----------------------|
| 5.4    | 2000-2001 | 1612   | 80A         | 160A       | 130A           | 8S     | None                 |
| 5.4    | 2000-2001 | 1612HO | 100A        | 200A       | 130A           | 8S     | Power Wire Upgrade   |
| 5.4    | 2002-2005 | 2504   | 60A         | 130A       | 110A           | 6S     | None                 |
| 5.4    | 2002-2005 | 2504HO | 70A         | 170A       | 110A           | 6S     | Power Wire Upgrade   |
| 6.8    | 2000-2001 | 1612   | 80A         | 160A       | 130A           | 8S     | None                 |
| 6.8    | 2000-2001 | 1612HO | 100A        | 200A       | 130A           | 8S     | Power Wire Upgrade   |
| 6.8    | 2002-2005 | 2504   | 60A         | 130A       | 110A           | 6S     | None                 |
| 6.8    | 2002-2005 | 2504HO | 70A         | 170A       | 110A           | 6S     | Power Wire Upgrade   |
| 7.3    | 2000-2003 | 2511   | 60A         | 130A       | 110A           | 8S     | None                 |
| 7.3    | 2000-2003 | 2438   | 80A         | 160A       | 110A           | 8S     | Power Wire Upgrade   |
| 7.3    | 2000-2003 | 2438HO | 100A        | 200A       | 110A           | 8S     | Power Wire Upgrade   |
| 6      | 2003-2005 | 2531   | 60A         | 130A       | 110A           | 8S     | None                 |
| 6      | 2003-2005 | 2438   | 80A         | 160A       | 110A           | 8S     | Power Wire Upgrade   |
| 6      | 2003-2005 | 2438HO | 100A        | 200A       | 110A           | 8S     | Power Wire Upgrade   |

**Starter**

| Engine | Year      | Part# | Output | Modifications Needed |
|--------|-----------|-------|--------|----------------------|
| 5.4    | 2000-2005 | 1910  | 1.5kW  | None                 |
| 6.8    | 2000-2005 | 1910  | 1.5kW  | None                 |
| 7.3    | 2000-2003 | 2197  | 3.5kW  | None                 |
| 6      | 2003-2005 | 2215  | 3.0kW  | None                 |

**Expedition****Alternator**

| Engine | Year             | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|------------------|--------|-------------|------------|----------------|--------|----------------------|
| 4.6    | 1997-2002        | 1989   | 80A         | 160A       | 130A           | 8S     | None                 |
| 4.6    | 1997-2002        | 1989HO | 100A        | 200A       | 130A           | 8S     | Power Wire Upgrade   |
| 4.6    | 2003 to 2/3/03   | 2513   | 60A         | 130A       | 110A           | 6S     | None                 |
| 4.6    | 2003 to 2/3/03   | 2513HO | 70A         | 170A       | 110A           | 6S     | Power Wire Upgrade   |
| 4.6    | 2003 from 2/3/03 | 2533   | 80A         | 160A       | 135A           | 6S     | None                 |
| 4.6    | 2003 from 2/3/03 | 2533HO | 100A        | 200A       | 135A           | 6S     | Power Wire Upgrade   |
| 4.6    | 2004             | 2533   | 80A         | 160A       | 135A           | 6S     | None                 |
| 4.6    | 2004             | 2533HO | 100A        | 200A       | 135A           | 6S     | Power Wire Upgrade   |
| 5.4    | 1997-2002        | 1989   | 80A         | 160A       | 130A           | 8S     | None                 |
| 5.4    | 1997-2002        | 1989HO | 100A        | 200A       | 130A           | 8S     | Power Wire Upgrade   |
| 5.4    | 2003 to 2/3/03   | 2513   | 60A         | 130A       | 110A           | 6S     | None                 |
| 5.4    | 2003 to 2/3/03   | 2513HO | 70A         | 170A       | 110A           | 6S     | Power Wire Upgrade   |
| 5.4    | 2003 from 2/3/03 | 2533   | 80A         | 160A       | 135A           | 6S     | None                 |
| 5.4    | 2003 from 2/3/03 | 2533HO | 100A        | 200A       | 135A           | 6S     | Power Wire Upgrade   |
| 5.4    | 2004             | 2533   | 80A         | 160A       | 135A           | 6S     | None                 |
| 5.4    | 2004             | 2533HO | 100A        | 200A       | 135A           | 6S     | Power Wire Upgrade   |
| 5.4    | 2005             | 2668   | 80A         | 160A       | 135A           | 6S     | None                 |
| 5.4    | 2005             | 2668HO | 100A        | 200A       | 135A           | 6S     | Power Wire Upgrade   |

**Starter**

| Engine | Year      | Part# | Output | Modifications Needed |
|--------|-----------|-------|--------|----------------------|
| 4.6    | 1997-1998 | 1799  | 1.5kW  | None                 |
| 4.6    | 1999-2004 | 1910  | 1.5kW  | None                 |
| 5.4    | 1997-1998 | 1799  | 1.5kW  | None                 |
| 5.4    | 1999-2009 | 1910  | 1.5kW  | None                 |

# Explorer

## Alternator

| Engine | Year                      | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|---------------------------|--------|-------------|------------|----------------|--------|----------------------|
| 4      | 1991-1996                 | 1431   | 60A         | 120A       | 95A            | 6S     | None                 |
| 4      | 1991-1996                 | 1613   | 80A         | 160A       | 95A            | 6S     | Power Wire Upgrade   |
| 4      | 1991-1996                 | 1613HO | 100A        | 200A       | 95A            | 6S     | Power Wire Upgrade   |
| 4      | 1997-2000 w/OHC           | 2024   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4      | 1997-2000 w/OHC           | 2024HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4      | 1997-2000 w/OHV           | 1431   | 60A         | 120A       | 95A            | 6S     | None                 |
| 4      | 1997-2000 w/OHV           | 1613   | 80A         | 130A       | 95A            | 6S     | Power Wire Upgrade   |
| 4      | 1997-2000 w/OHV           | 1613HO | 100A        | 200A       | 95A            | 6S     | Power Wire Upgrade   |
| 4      | 2001 w/OHC                | 2024   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4      | 2001 w/OHC                | 2024HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4      | 2001 w/OHV                | 1613   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4      | 2001 w/OHV                | 1613HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4      | 2002-2003                 | 2024   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4      | 2002-2003                 | 2024HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4      | 2004 w/Opt                | 2024   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4      | 2004 w/Opt                | 2024HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4      | 2004 w/Std                | 2607   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4      | 2004 w/Std                | 2607HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4      | 2005                      | 2607   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4      | 2005                      | 2607HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 2002-2004 w/o black cover | 1989   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4.6    | 2002-2004 w/o black cover | 1989HO | 80A         | 160A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 2002-2005 w/ black cover  | 1904   | 80A         | 160A       | 130A           | 6S     | None                 |
| 4.6    | 2002-2005 w/ black cover  | 1904HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |
| 4.6    | 2006-2007                 | 3072   | 80A         | 160A       | 135A           | 6S     | None                 |
| 4.6    | 2006-2007                 | 3072HO | 100A        | 200A       | 135A           | 6S     | Power Wire Upgrade   |
| 5      | 1996-2001                 | 2024   | 80A         | 160A       | 130A           | 6S     | None                 |
| 5      | 1996-2001                 | 2024HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |

## Starter

| Engine | Year                   | Part# | Output | Modifications Needed |
|--------|------------------------|-------|--------|----------------------|
| 4      | 1991-1996 w/Auto       | 1885  | 1.4kW  | None                 |
| 4      | 1991-1996 w/Man        | 1165  | 1.4kW  | None                 |
| 4      | 1997 w/Auto            | 1802  | 1.4kW  | None                 |
| 4      | 1997 w/Man from 6/1/97 | 1895  | 1.4kW  | None                 |
| 4      | 1997 w/Man to 6/1/97   | 1165  | 1.4kW  | None                 |
| 4      | 1998-2009 w/Auto       | 1886  | 1.4kW  | None                 |
| 4      | 1998-2005 w/Man        | 1895  | 1.4kW  | None                 |
| 4      | 2006-2009 w/Man        | 1886  | 1.4kW  | None                 |
| 4.6    | 2002-2009              | 2217  | 1.4kW  | None                 |
| 5      | 1996-2001              | 1893  | 1.4kW  | None                 |

# F-Series

## Alternator

| Engine | Year                     | Part#   | Idle Output | Max Output | Factory Output | Pulley     | Modifications Needed            |
|--------|--------------------------|---------|-------------|------------|----------------|------------|---------------------------------|
| 3.9    | 1973-1974                | 1614E   | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 3.9    | 1973-1974                | 1619E   | 80A         | 160A       | 40A-100A       | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 3.9    | 1973-1974                | 1619HO  | 100A        | 200A       | 40A-100A       | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 4.2    | 1997-2001                | 1431    | 60A         | 120A       | 95A            | 6S         | None                            |
| 4.2    | 1997-2001                | 1613    | 80A         | 160A       | 95A            | 6S         | Power Wire Upgrade              |
| 4.2    | 1997-2001                | 1613HO  | 100A        | 200A       | 95A            | 6S         | Power Wire Upgrade              |
| 4.2    | 2002-2004                | 1613    | 80A         | 160A       | 130A           | 6S         | None                            |
| 4.2    | 2002-2004                | 1613HO  | 100A        | 200A       | 130A           | 6S         | Power Wire Upgrade              |
| 4.2    | 2005-2008                | 2350    | 60A         | 130A       | 110A           | 6S         | None                            |
| 4.2    | 2005-2008                | 2350HO  | 70A         | 170A       | 110A           | 6S         | Power Wire Upgrade              |
| 4.9    | 1973-1976                | 1614E   | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1973-1976                | 1619E   | 80A         | 160A       | 40A-100A       | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1973-1976                | 1619HO  | 100A        | 200A       | 40A-100A       | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1977-1985 w/15mm Top Ear | 1611M   | 80A         | 160A       | 40A-100A       | 2-V        | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1977-1985 w/15mm Top Ear | 1611MHO | 100A        | 200A       | 40A-100A       | 2-V        | Kit#462802C, Power Wire Upgrade |
| 4.9    | 1977-1985 w/21mm Top Ear | 1614E   | 60A         | 120A       | 40A-100A       | 2-V        | Kit#462802C, Power Wire Upgrade |



|     |                                               |         |      |      |          |            |                                 |
|-----|-----------------------------------------------|---------|------|------|----------|------------|---------------------------------|
| 4.9 | 1977-1985 w/21mm Top Ear                      | 1619    | 80A  | 160A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1977-1985 w/21mm Top Ear                      | 1619HO  | 100A | 200A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1986 w/15mm Top Ear, Ext Regulator            | 1611M   | 80A  | 160A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1986 w/15mm Top Ear, Ext Regulator            | 1611MHO | 100A | 200A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1986 w/21mm Top Ear, Ext Regulator            | 1614E   | 60A  | 120A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1986 w/21mm Top Ear, Ext Regulator            | 1619E   | 80A  | 160A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1986 w/21mm Top Ear, Ext Regulator            | 1619HO  | 100A | 200A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1986 Int Regulator, 2-Wire                    | 1614E   | 60A  | 120A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 4.9 | 1986 Int Regulator, 2-Wire                    | 1619E   | 80A  | 160A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 4.9 | 1986 Int Regulator, 2-Wire                    | 1619HO  | 80A  | 160A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 4.9 | 1986 Int Regulator, 3-Wire                    | 1614L   | 60A  | 120A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 4.9 | 1986 Int Regulator, 3-Wire                    | 1619    | 80A  | 160A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 4.9 | 1986 Int Regulator, 3-Wire                    | 1619HO  | 100A | 200A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 4.9 | 1987-1989 w/15mm Top Ear, Ext Regulator       | 1611M   | 80A  | 160A | 40A-100A | 6S         | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1987-1989 w/15mm Top Ear, Ext Regulator       | 1611MHO | 100A | 200A | 40A-100A | 6S         | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1987-1989 w/21mm Top Ear, Ext Regulator       | 1614E   | 60A  | 120A | 40A-100A | 6S         | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1987-1989 w/21mm Top Ear, Ext Regulator       | 1619E   | 80A  | 160A | 40A-100A | 6S         | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1987-1989 w/21mm Top Ear, Ext Regulator       | 1619HO  | 100A | 200A | 40A-100A | 6S         | Kit#462802C, Power Wire Upgrade |
| 4.9 | 1987-1989 Int Regulator, Straight Mtg, 2-Wire | 1614E   | 60A  | 120A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 4.9 | 1987-1989 Int Regulator, Straight Mtg, 2-Wire | 1619E   | 80A  | 160A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 4.9 | 1987-1989 Int Regulator, Straight Mtg, 2-Wire | 1619HO  | 100A | 200A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 4.9 | 1987-1989 Int Regulator, Straight Mtg, 3-Wire | 1614L   | 60A  | 120A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 4.9 | 1987-1989 Int Regulator, Straight Mtg, 3-Wire | 1619    | 80A  | 160A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 4.9 | 1987-1989 Int Regulator, Straight Mtg, 3-Wire | 1619HO  | 100A | 200A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 4.9 | 1987-1989 Int Regulator, Offset Mtg, 2-Wire   | 1610    | 60A  | 120A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 4.9 | 1987-1989 Int Regulator, Offset Mtg, 2-Wire   | 1610HO  | 70A  | 150A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 4.9 | 1987-1989 Int Regulator, Offset Mtg, 3-Wire   | 1610    | 60A  | 120A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 4.9 | 1987-1989 Int Regulator, Offset Mtg, 3-Wire   | 1610HO  | 70A  | 150A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 4.6 | 1997-2002                                     | 1989    | 80A  | 160A | 95A      | 8S         | None                            |
| 4.6 | 1997-2002                                     | 1989HO  | 100A | 200A | 95A      | 8S         | Power Wire Upgrade              |
| 4.6 | 2003                                          | 1989    | 80A  | 160A | 130A     | 6S or 8S   | None                            |
| 4.6 | 2003                                          | 1989HO  | 100A | 200A | 130A     | 6S or 8S   | Power Wire Upgrade              |
| 4.6 | 2004-2008                                     | 2539    | 60A  | 130A | 110A     | 6S         | None                            |
| 4.6 | 2004-2008                                     | 2539HO  | 70A  | 170A | 110A     | 6S         | Power Wire Upgrade              |
| 5   | 1975-1976                                     | 1614E   | 60A  | 120A | 40A-100A | 1-V        | Kit#462802C, Power Wire Upgrade |
| 5   | 1975-1976                                     | 1619E   | 80A  | 160A | 40A-100A | 1-V        | Kit#462802C, Power Wire Upgrade |
| 5   | 1975-1976                                     | 1619HO  | 100A | 200A | 40A-100A | 1-V        | Kit#462802C, Power Wire Upgrade |
| 5   | 1977-1985 w/15mm Top Ear                      | 1611M   | 80A  | 160A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 5   | 1977-1985 w/15mm Top Ear                      | 1611MHO | 100A | 200A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 5   | 1977-1985 w/21mm Top Ear                      | 1614E   | 60A  | 120A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 5   | 1977-1985 w/21mm Top Ear                      | 1619E   | 80A  | 160A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 5   | 1977-1985 w/21mm Top Ear                      | 1619HO  | 100A | 200A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 5   | 1986 w/15mm Top Ear, Ext Regulator            | 1611M   | 80A  | 160A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |
| 5   | 1986 w/15mm Top Ear, Ext Regulator            | 1611MHO | 100A | 200A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |

|     |                                            |         |      |      |          |            |                                 |
|-----|--------------------------------------------|---------|------|------|----------|------------|---------------------------------|
| 5   | 1986 w/21mm Top Ear,<br>Ext Regulator      | 1614E   | 60A  | 120A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |
| 5   | 1986 w/21mm Top Ear,<br>Ext Regulator      | 1619E   | 80A  | 160A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |
| 5   | 1986 w/21mm Top Ear,<br>Ext Regulator      | 1619HO  | 100A | 200A | 40A-100A | 2-V        | Kit#462802C, Power Wire Upgrade |
| 5   | 1986 Int Regulator, 2-Wire                 | 1614E   | 60A  | 120A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 5   | 1986 Int Regulator, 2-Wire                 | 1619E   | 80A  | 160A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 5   | 1986 Int Regulator, 2-Wire                 | 1619HO  | 100A | 200A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 5   | 1986 Int Regulator, 3-Wire                 | 1614L   | 60A  | 120A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 5   | 1986 Int Regulator, 3-Wire                 | 1619    | 80A  | 160A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 5   | 1986 Int Regulator, 3-Wire                 | 1619HO  | 100A | 200A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 5   | 1987-1989 w/15mm Top Ear,<br>Ext Regulator | 1611M   | 80A  | 160A | 40A-100A | 6S         | Kit#462802C, Power Wire Upgrade |
| 5   | 1987-1989 w/15mm Top Ear,<br>Ext Regulator | 1611MHO | 100A | 200A | 40A-100A | 6S         | Kit#462802C, Power Wire Upgrade |
| 5   | 1987-1989 w/21mm Top Ear,<br>Ext Regulator | 1614E   | 60A  | 120A | 40A-100A | 6S         | Kit#462802C, Power Wire Upgrade |
| 5   | 1987-1989 w/21mm Top Ear,<br>Ext Regulator | 1619E   | 80A  | 160A | 40A-100A | 6S         | Kit#462802C, Power Wire Upgrade |
| 5   | 1987-1989 w/21mm Top Ear,<br>Ext Regulator | 1619HO  | 100A | 200A | 40A-100A | 6S         | Kit#462802C, Power Wire Upgrade |
| 5   | 1987-1989 Int Regulator, 2-Wire            | 1614E   | 60A  | 120A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 5   | 1987-1989 Int Regulator, 2-Wire            | 1619E   | 80A  | 160A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 5   | 1987-1989 Int Regulator, 2-Wire            | 1619HO  | 100A | 200A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 5   | 1987-1989 Int Regulator, 3-Wire            | 1614L   | 60A  | 120A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 5   | 1987-1989 Int Regulator, 3-Wire            | 1619    | 80A  | 160A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 5   | 1987-1989 Int Regulator, 3-Wire            | 1619HO  | 100A | 200A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 5   | 1990-1992 Int Regulator 2-Wire             | 1614E   | 60A  | 120A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 5   | 1990-1992 Int Regulator 2-Wire             | 1619E   | 80A  | 160A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 5   | 1990-1992 Int Regulator 2-Wire             | 1619HO  | 100A | 200A | 75A      | 6S         | Kit#462802A, Power Wire Upgrade |
| 5   | 1990-1992 Int Regulator 3-Wire             | 1614L   | 60A  | 120A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 5   | 1990-1992 Int Regulator 3-Wire             | 1619    | 80A  | 160A | 75A      | 6S         | Kit#9901, Power Wire Upgrade    |
| 5   | 1993-1996                                  | 1431    | 60A  | 120A | 95A      | 6S         | None                            |
| 5   | 1993-1996                                  | 1613    | 80A  | 160A | 95A      | 6S         | Power Wire Upgrade              |
| 5   | 1993-1996                                  | 1613HO  | 100A | 200A | 95A      | 6S         | Power Wire Upgrade              |
| 5.4 | 1997                                       | 1989    | 80A  | 160A | 95A      | 6S         | None                            |
| 5.4 | 1997                                       | 1989HO  | 100A | 200A | 95A      | 6S         | Power Wire Upgrade              |
| 5.4 | 1998-2001 exc Lightning and<br>Super Duty  | 1989    | 80A  | 160A | 130A     | 8S         | None                            |
| 5.4 | 1998-2001 exc Lightning and<br>Super Duty  | 1989HO  | 100A | 200A | 130A     | 8S         | Power Wire Upgrade              |
| 5.4 | 1998-2001 Super Duty                       | 1612    | 80A  | 160A | 130A     | 8S         | None                            |
| 5.4 | 1998-2001 Super Duty                       | 1612HO  | 100A | 200A | 130A     | 8S         | Power Wire Upgrade              |
| 5.4 | 1999-2004 Lightning                        | 1988    | 80A  | 160A | 130A     | 8S         | None                            |
| 5.4 | 1999-2004 Lightning                        | 1988HO  | 100A | 200A | 130A     | 8S         | Power Wire Upgrade              |
| 5.4 | 2002-2003 exc Lightning and<br>Super Duty  | 1989    | 80A  | 160A | 130A     | 8S         | None                            |
| 5.4 | 2002-2003 exc Lightning and<br>Super Duty  | 1989HO  | 100A | 200A | 130A     | 8S         | Power Wire Upgrade              |
| 5.4 | 2002-2005 Super Duty                       | 2504    | 60A  | 120A | 110A     | 6S         | None                            |
| 5.4 | 2002-2005 Super Duty                       | 2504HO  | 70A  | 170A | 110A     | 6S         | Power Wire Upgrade              |
| 5.4 | 2004-2008 exc Super Duty                   | 2539    | 60A  | 120A | 110A     | 6S         | None                            |
| 5.4 | 2004-2008 exc Super Duty                   | 2539HO  | 70A  | 170A | 110A     | 6S         | Power Wire Upgrade              |
| 5.4 | 2005-2008 Super Duty                       | 2930    | 80A  | 160A | 130A     | 6S         | None                            |
| 5.4 | 2005-2008 Super Duty                       | 2930HO  | 100A | 200A | 130A     | 6S         | Power Wire Upgrade              |
| 5.8 | 1977-1985 w/15mm Top Ear                   | 1611M   | 80A  | 160A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1977-1985 w/15mm Top Ear                   | 1611MHO | 100A | 200A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1977-1985 w/21mm Top Ear                   | 1614E   | 60A  | 120A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1977-1985 w/21mm Top Ear                   | 1619E   | 80A  | 160A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1977-1985 w/21mm Top Ear                   | 1619HO  | 100A | 200A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1986 w/15mm Top Ear,<br>Ext Regulator      | 1611M   | 80A  | 160A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1986 w/15mm Top Ear,<br>Ext Regulator      | 1611MHO | 100A | 200A | 40A-100A | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |

|     |                                         |         |      |      |          |                 |                                 |
|-----|-----------------------------------------|---------|------|------|----------|-----------------|---------------------------------|
| 5.8 | 1986 w/21mm Top Ear, Ext Regulator      | 1614E   | 60A  | 120A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1986 w/21mm Top Ear, Ext Regulator      | 1619E   | 80A  | 160A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1986 w/21mm Top Ear, Ext Regulator      | 1619HO  | 100A | 200A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1986 Int Regulator, 2-Wire              | 1614E   | 60A  | 120A | 75A      | 6S              | Kit#462802A, Power Wire Upgrade |
| 5.8 | 1986 Int Regulator, 2-Wire              | 1619E   | 80A  | 160A | 75A      | 6S              | Kit#462802A, Power Wire Upgrade |
| 5.8 | 1986 Int Regulator, 2-Wire              | 1619HO  | 100A | 200A | 75A      | 6S              | Kit#462802A, Power Wire Upgrade |
| 5.8 | 1986 Int Regulator, 3-Wire              | 1614L   | 60A  | 120A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1986 Int Regulator, 3-Wire              | 1619    | 80A  | 160A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1986 Int Regulator, 3-Wire              | 1619HO  | 100A | 200A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1987-1989 w/15mm Top Ear, Ext Regulator | 1611M   | 80A  | 160A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1987-1989 w/15mm Top Ear, Ext Regulator | 1611MHO | 100A | 200A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1987-1989 w/21mm Top Ear, Ext Regulator | 1614E   | 60A  | 120A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1987-1989 w/21mm Top Ear, Ext Regulator | 1619E   | 80A  | 160A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1987-1989 w/21mm Top Ear, Ext Regulator | 1619HO  | 100A | 200A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1987-1992 Int Regulator, 2-Wire         | 1614E   | 60A  | 120A | 75A      | 6S              | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1987-1992 Int Regulator, 2-Wire         | 1619E   | 80A  | 160A | 75A      | 6S              | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1987-1992 Int Regulator, 2-Wire         | 1619HO  | 100A | 200A | 75A      | 6S              | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1987-1992 Int Regulator, 3-Wire         | 1614L   | 60A  | 120A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1987-1992 Int Regulator, 3-Wire         | 1619    | 80A  | 160A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1987-1992 Int Regulator, 3-Wire         | 1619HO  | 100A | 200A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 5.8 | 1993-1997                               | 1431    | 60A  | 120A | 95A      | 6S              | None                            |
| 5.8 | 1993-1997                               | 1613    | 80A  | 160A | 95A      | 6S              | Power Wire Upgrade              |
| 5.8 | 1993-1997                               | 1613HO  | 100A | 200A | 95A      | 6S              | Power Wire Upgrade              |
| 5.9 | 1973-1976                               | 1614E   | 60A  | 120A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5.9 | 1973-1976                               | 1619E   | 80A  | 160A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 5.9 | 1973-1976                               | 1619HO  | 100A | 200A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 6   | 2003-2005 to 9/14/04                    | 2531    | 60A  | 130A | 110A     | 8S              | None                            |
| 6   | 2003-2005 to 9/14/04                    | 2438    | 80A  | 160A | 110A     | 8S              | Power Wire Upgrade              |
| 6   | 2003-2005 to 9/14/04                    | 2438HO  | 100A | 200A | 110A     | 8S              | Power Wire Upgrade              |
| 6   | 2005-2007 from 9/14/04                  | 2669    | 60A  | 130A | 110A     | 8S              | None                            |
| 6   | 2005-2007 from 9/14/04                  | 2438    | 80A  | 160A | 110A     | 8S              | Power Wire Upgrade              |
| 6   | 2005-2007 from 9/14/04                  | 2438HO  | 100A | 200A | 110A     | 8S              | Power Wire Upgrade              |
| 6.4 | 1973-1976                               | 1614E   | 60A  | 120A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 6.4 | 1973-1976                               | 1619E   | 80A  | 160A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 6.4 | 1973-1976                               | 1619HO  | 100A | 200A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 6.6 | 1977-1982 w/15mm Top Ear                | 1611M   | 80A  | 160A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 6.6 | 1977-1982 w/15mm Top Ear                | 1611MHO | 100A | 200A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 6.6 | 1977-1982 w/21mm Top Ear                | 1614E   | 60A  | 120A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 6.6 | 1977-1982 w/21mm Top Ear                | 1619E   | 80A  | 160A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 6.6 | 1977-1982 w/21mm Top Ear                | 1619HO  | 100A | 200A | 40A-100A | 1-V or 2-V      | Kit#462802C, Power Wire Upgrade |
| 6.8 | 1999-2001                               | 1612    | 80A  | 160A | 130A     | 8S              | None                            |
| 6.8 | 1999-2001                               | 1612HO  | 100A | 200A | 130A     | 8S              | Power Wire Upgrade              |
| 6.8 | 2002-2005                               | 2504    | 60A  | 130A | 110A     | 6S              | None                            |
| 6.8 | 2002-2005                               | 2504HO  | 70A  | 170A | 110A     | 6S              | Power Wire Upgrade              |
| 6.8 | 2006-2008                               | 2930    | 80A  | 160A | 130A     | 6S              | None                            |
| 6.8 | 2006-2008                               | 2930HO  | 100A | 200A | 130A     | 6S              | Power Wire Upgrade              |
| 6.9 | 1983-1985 w/15mm Top Ear                | 1611M   | 80A  | 160A | 40A-100A | 2-V             | Kit#462802C, Power Wire Upgrade |
| 6.9 | 1983-1985 w/15mm Top Ear                | 1611MHO | 100A | 200A | 40A-100A | 2-V             | Kit#462802C, Power Wire Upgrade |
| 6.9 | 1983-1985 w/21mm Top Ear                | 1614E   | 60A  | 120A | 40A-100A | 2-V             | Kit#462802C, Power Wire Upgrade |
| 6.9 | 1983-1985 w/21mm Top Ear                | 1619E   | 80A  | 160A | 40A-100A | 2-V             | Kit#462802C, Power Wire Upgrade |
| 6.9 | 1983-1985 w/21mm Top Ear                | 1619HO  | 100A | 200A | 40A-100A | 2-V             | Kit#462802C, Power Wire Upgrade |
| 6.9 | 1986-1987 w/15mm Top Ear, Ext Regulator | 1611M   | 80A  | 160A | 40A-100A | 2-V             | Kit#462802C, Power Wire Upgrade |
| 6.9 | 1986-1987 w/15mm Top Ear, Ext Regulator | 1611MHO | 100A | 200A | 40A-100A | 2-V             | Kit#462802C, Power Wire Upgrade |
| 6.9 | 1986-1987 w/21mm Top Ear, Ext Regulator | 1614E   | 60A  | 120A | 40A-100A | 2-V             | Kit#462802C, Power Wire Upgrade |

|     |                                         |         |      |      |          |               |                                 |
|-----|-----------------------------------------|---------|------|------|----------|---------------|---------------------------------|
| 6.9 | 1986-1987 w/21mm Top Ear, Ext Regulator | 1619E   | 80A  | 160A | 40A-100A | 2-V           | Kit#462802C, Power Wire Upgrade |
| 6.9 | 1986-1987 w/21mm Top Ear, Ext Regulator | 1619HO  | 100A | 200A | 40A-100A | 2-V           | Kit#462802C, Power Wire Upgrade |
| 6.9 | 1986-1987 Int Regulator, 2-Wire         | 1614E   | 60A  | 120A | 75A      | 6S            | Kit#462802A, Power Wire Upgrade |
| 6.9 | 1986-1987 Int Regulator, 2-Wire         | 1619E   | 80A  | 160A | 75A      | 6S            | Kit#462802A, Power Wire Upgrade |
| 6.9 | 1986-1987 Int Regulator, 2-Wire         | 1619HO  | 100A | 200A | 75A      | 6S            | Kit#462802A, Power Wire Upgrade |
| 6.9 | 1986-1987 Int Regulator, 3-Wire         | 1614L   | 60A  | 120A | 75A      | 6S            | Kit#9901, Power Wire Upgrade    |
| 6.9 | 1986-1987 Int Regulator, 3-Wire         | 1619    | 80A  | 160A | 75A      | 6S            | Kit#9901, Power Wire Upgrade    |
| 6.9 | 1986-1987 Int Regulator, 3-Wire         | 1619HO  | 100A | 200A | 75A      | 6S            | Kit#9901, Power Wire Upgrade    |
| 7.3 | 1988-1989 w/15mm Top Ear, Ext Regulator | 1611M   | 80A  | 160A | 40A-100A | 2-V           | Kit#462802C, Power Wire Upgrade |
| 7.3 | 1988-1989 w/15mm Top Ear, Ext Regulator | 1611MHO | 100A | 200A | 40A-100A | 2-V           | Kit#462802C, Power Wire Upgrade |
| 7.3 | 1988-1989 w/21mm Top Ear, Ext Regulator | 1614E   | 60A  | 120A | 40A-100A | 2-V           | Kit#462802C, Power Wire Upgrade |
| 7.3 | 1988-1989 w/21mm Top Ear, Ext Regulator | 1619E   | 80A  | 160A | 40A-100A | 2-V           | Kit#462802C, Power Wire Upgrade |
| 7.3 | 1988-1989 w/21mm Top Ear, Ext Regulator | 1619HO  | 100A | 200A | 40A-100A | 2-V           | Kit#462802C, Power Wire Upgrade |
| 7.3 | 1988-1989 Int Regulator, 2-Wire         | 1614E   | 60A  | 120A | 75A      | 6S            | Kit#462802A, Power Wire Upgrade |
| 7.3 | 1988-1989 Int Regulator, 2-Wire         | 1619E   | 80A  | 160A | 75A      | 6S            | Kit#462802A, Power Wire Upgrade |
| 7.3 | 1988-1989 Int Regulator, 2-Wire         | 1619HO  | 100A | 200A | 75A      | 6S            | Kit#462802A, Power Wire Upgrade |
| 7.3 | 1988-1989 Int Regulator, 3-Wire         | 1614L   | 60A  | 120A | 75A      | 6S            | Kit#9901, Power Wire Upgrade    |
| 7.3 | 1988-1989 Int Regulator, 3-Wire         | 1619    | 80A  | 160A | 75A      | 6S            | Kit#9901, Power Wire Upgrade    |
| 7.3 | 1988-1989 Int Regulator, 3-Wire         | 1619HO  | 100A | 200A | 75A      | 6S            | Kit#9901, Power Wire Upgrade    |
| 7.3 | 1990-1992 w/ Ext Regulator              | 1611M   | 80A  | 160A | 40A-100A | 2-V           | Kit#462802C, Power Wire Upgrade |
| 7.3 | 1990-1992 w/ Ext Regulator              | 1611MHO | 100A | 200A | 40A-100A | 2-V           | Kit#462802C, Power Wire Upgrade |
| 7.3 | 1992-1997 w/ Int Regulator              | 1613    | 80A  | 160A | 130A     | 6S, 7S, or 8S | None                            |
| 7.3 | 1992-1997 w/ Int Regulator              | 1613HO  | 100A | 200A | 130A     | 6S, 7S, or 8S | Power Wire Upgrade              |
| 7.3 | 1999-2002                               | 2173    | 60A  | 130A | 110A     | 8S            | None                            |
| 7.3 | 1999-2002                               | 2438    | 80A  | 160A | 110A     | 8S            | Power Wire Upgrade              |
| 7.3 | 1999-2002                               | 2438HO  | 100A | 200A | 110A     | 8S            | Power Wire Upgrade              |
| 7.3 | 2003                                    | 2511    | 60A  | 130A | 110A     | 8S            | None                            |
| 7.3 | 2003                                    | 2438    | 80A  | 160A | 110A     | 8S            | Power Wire Upgrade              |
| 7.3 | 2003                                    | 2438HO  | 100A | 200A | 110A     | 8S            | Power Wire Upgrade              |
| 7.5 | 1973-1976                               | 1614E   | 60A  | 120A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1973-1976                               | 1619E   | 80A  | 160A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1973-1976                               | 1619HO  | 100A | 200A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1977-1979, 1983-1985 w/15mm Top Ear     | 1611M   | 80A  | 160A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1977-1979, 1983-1985 w/15mm Top Ear     | 1611MHO | 100A | 200A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1977-1979, 1983-1985 w/21mm Top Ear     | 1614E   | 60A  | 120A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1977-1979, 1983-1985 w/21mm Top Ear     | 1619E   | 80A  | 160A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1977-1979, 1983-1985 w/21mm Top Ear     | 1619HO  | 100A | 200A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1986 w/15mm Top Ear, Ext Regulator      | 1611M   | 80A  | 160A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1986 w/15mm Top Ear, Ext Regulator      | 1611MHO | 100A | 200A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1986 w/21mm Top Ear, Ext Regulator      | 1614E   | 60A  | 120A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1986 w/21mm Top Ear, Ext Regulator      | 1619E   | 80A  | 160A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1986 w/21mm Top Ear, Ext Regulator      | 1619HO  | 100A | 200A | 40A-100A | 1-V or 2-V    | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1986 Int Regulator, 2-Wire              | 1614E   | 60A  | 120A | 75A      | 6S            | Kit#462802A, Power Wire Upgrade |
| 7.5 | 1986 Int Regulator, 2-Wire              | 1619E   | 80A  | 160A | 75A      | 6S            | Kit#462802A, Power Wire Upgrade |
| 7.5 | 1986 Int Regulator, 2-Wire              | 1619HO  | 100A | 200A | 75A      | 6S            | Kit#462802A, Power Wire Upgrade |
| 7.5 | 1986 Int Regulator, 3-Wire              | 1614L   | 60A  | 120A | 75A      | 6S            | Kit#9901, Power Wire Upgrade    |
| 7.5 | 1986 Int Regulator, 3-Wire              | 1619    | 80A  | 160A | 75A      | 6S            | Kit#9901, Power Wire Upgrade    |
| 7.5 | 1986 Int Regulator, 3-Wire              | 1619HO  | 100A | 200A | 75A      | 6S            | Kit#9901, Power Wire Upgrade    |



|     |                                         |         |      |      |          |                 |                                 |
|-----|-----------------------------------------|---------|------|------|----------|-----------------|---------------------------------|
| 7.5 | 1987-1991 w/15mm Top Ear, Ext Regulator | 1611M   | 80A  | 160A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1987-1991 w/15mm Top Ear, Ext Regulator | 1611MHO | 100A | 200A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1987-1989 w/21mm Top Ear, Ext Regulator | 1614E   | 60A  | 120A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1987-1989 w/21mm Top Ear, Ext Regulator | 1619E   | 80A  | 160A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1987-1989 w/21mm Top Ear, Ext Regulator | 1619HO  | 100A | 200A | 40A-100A | 1-V, 2-V, or 6S | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1987-1994 Int Regulator, 2-Wire         | 1614E   | 60A  | 120A | 75A      | 6S              | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1987-1994 Int Regulator, 2-Wire         | 1619E   | 80A  | 160A | 75A      | 6S              | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1987-1994 Int Regulator, 2-Wire         | 1619HO  | 100A | 200A | 75A      | 6S              | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1987-1994 Int Regulator, 3-Wire         | 1614L   | 60A  | 120A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 7.5 | 1987-1994 Int Regulator, 3-Wire         | 1619    | 80A  | 160A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 7.5 | 1987-1994 Int Regulator, 3-Wire         | 1619HO  | 100A | 200A | 75A      | 6S              | Kit#9901, Power Wire Upgrade    |
| 7.5 | 1995-1997 w/ 21mm Top Ear               | 1614L   | 60A  | 120A | 95A      | 6S              | None                            |
| 7.5 | 1995-1997 w/ 21mm Top Ear               | 1619    | 80A  | 160A | 95A      | 6S              | Power Wire Upgrade              |
| 7.5 | 1995-1997 w/ 21mm Top Ear               | 1619HO  | 100A | 200A | 95A      | 6S              | Power Wire Upgrade              |
| 7.5 | 1995-1997 w/27mm Top Ear                | 1611    | 80A  | 160A | 130A     | 6S              | None                            |
| 7.5 | 1995-1997 w/27mm Top Ear                | 1611HO  | 100A | 200A | 130A     | 6S              | Power Wire Upgrade              |

## Starter

| Engine | Year             | Part# | Output | Modifications Needed |
|--------|------------------|-------|--------|----------------------|
| 3.8    | 1982-1983 w/Auto | 1806  | 1.4kW  | Kit#9906             |
| 3.8    | 1982-1983 w/Man  | 1881  | 1.4kW  | Kit#9906             |
| 3.9    | 1973-1974 w/Auto | 1806  | 1.4kW  | Kit#9906             |
| 3.9    | 1973-1974 w/Man  | 1881  | 1.4kW  | Kit#9906             |
| 4.2    | 1980-1982 w/Auto | 1806  | 1.4kW  | Kit#9906             |
| 4.2    | 1980-1982 w/Man  | 1881  | 1.4kW  | Kit#9906             |
| 4.2    | 1997-1998        | 1806  | 1.4kW  | None                 |
| 4.2    | 1999-2005        | 1955  | 1.4kW  | None                 |
| 4.6    | 1997-1998        | 1799  | 1.5kW  | None                 |
| 4.6    | 1999-2009        | 1910  | 1.5kW  | None                 |
| 4.9    | 1973-1996 w/Auto | 1806  | 1.4kW  | Kit#9906             |
| 4.9    | 1973-1996 w/Man  | 1881  | 1.4kW  | Kit#9906             |
| 5      | 1975-1991 w/Auto | 1806  | 1.4kW  | Kit#9906             |
| 5      | 1975-1991 w/Man  | 1881  | 1.4kW  | Kit#9906             |
| 5      | 1992-1996 w/Auto | 1806  | 1.4kW  | None                 |
| 5      | 1992-1996 w/Man  | 1881  | 1.4kW  | None                 |
| 5.4    | 1997-1998        | 1799  | 1.5kW  | None                 |
| 5.4    | 1999-2009        | 1910  | 1.5kW  | None                 |
| 5.8    | 1977-1979        | 1953  | 1.4kW  | Kit#9906             |
| 5.8    | 1980-1991 w/Auto | 1806  | 1.4kW  | Kit#9906             |
| 5.8    | 1980-1991 w/Man  | 1881  | 1.4kW  | Kit#9906             |
| 5.8    | 1992-1996 w/Auto | 1806  | 1.4kW  | None                 |
| 5.8    | 1992-1996 w/Man  | 1881  | 1.4kW  | None                 |
| 6      | 2003-2007        | 2215  | 3.0kW  | None                 |
| 6.6    | 1977-1982        | 1953  | 1.4kW  | Kit#9906             |
| 6.8    | 1999-2009        | 1910  | 1.5kW  | None                 |
| 7.3    | 1994-2003        | 2197  | 3.5kW  | None                 |
| 7.5    | 1977-1979        | 1953  | 1.4kW  | Kit#9906             |
| 7.5    | 1983-1991        | 1953  | 1.4kW  | Kit#9906             |
| 7.5    | 1992-1996 w/Auto | 1883  | 1.4kW  | None                 |
| 7.5    | 1992-1996 w/Man  | 1882  | 1.4kW  | None                 |

## Focus

### Alternator

| Engine | Year                        | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|-----------------------------|--------|-------------|------------|----------------|--------|----------------------|
| 2      | 2000-2004 w/Zetec to 4/2004 | 2349   | 60A         | 130A       | 110A           | 6S     | None                 |
| 2      | 2000-2004 w/Zetec to 4/2004 | 2349HO | 70A         | 170A       | 110A           | 6S     | Power Wire Upgrade   |
| 2      | 2000-2004 w/OHC             | 2350   | 60A         | 130A       | 110A           | 6S     | None                 |
| 2      | 2000-2004 w/OHC             | 2350HO | 70A         | 170A       | 110A           | 6S     | Power Wire Upgrade   |
| 2      | 2004 w/Zetec from 4/2004    | 2670   | 80A         | 160A       | 130A           | 6S     | None                 |
| 2      | 2004 w/Zetec from 4/2004    | 2670HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade   |

|   |                            |        |     |      |      |    |                                                   |
|---|----------------------------|--------|-----|------|------|----|---------------------------------------------------|
| 2 | 2003-2004 SVT              | 2349   | 60A | 130A | 110A | 6S | Clutch Pulley Not Included                        |
| 2 | 2003-2004 SVT              | 2349HO | 70A | 170A | 110A | 6S | Clutch Pulley Not Included,<br>Power Wire Upgrade |
| 2 | 2005-2007 exc Cali, w/Auto | 2569   | 60A | 130A | 110A | 6S | None                                              |
| 2 | 2005-2007 exc Cali, w/Auto | 2569HO | 70A | 170A | 110A | 6S | Power Wire Upgrade                                |
| 2 | 2005-2006 exc Cali, w/Man  | 3071   | 60A | 130A | 110A | 6S | None                                              |
| 2 | 2005-2006 exc Cali, w/Man  | 3071HO | 70A | 170A | 110A | 6S | Power Wire Upgrade                                |

## Starter

| Engine | Year             | Part# | Output | Modifications Needed |
|--------|------------------|-------|--------|----------------------|
| 2      | 2000-2004 w/Auto | 2030  | 1.5kW  | None                 |
| 2      | 2000-2004 w/Man  | 1756  | 1.5kW  | None                 |
| 2      | 2005-2009        | 2400  | 1.4kW  | None                 |

## Mustang

### Alternator

| Engine   | Year      | Part#    | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed            |
|----------|-----------|----------|-------------|------------|----------------|--------|---------------------------------|
| 2.3      | 1974-1986 | 1614E    | 60A         | 120A       | 60A            | 1-V    | Kit#462802C, Power Wire Upgrade |
| 2.3      | 1987-1993 | 1614L    | 60A         | 120A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 2.3      | 1987-1993 | 1614LHO  | 70A         | 150A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 2.8      | 1974-1979 | 1614E    | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802C, Power Wire Upgrade |
| 3.3      | 1979-1982 | 1614E    | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802C, Power Wire Upgrade |
| 3.8      | 1983-1986 | 1614E    | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802C, Power Wire Upgrade |
| 3.8      | 1994-2000 | 1704     | 80A         | 160A       | 130A           | 6S     | None                            |
| 3.8      | 1994-2000 | 1704HO   | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade              |
| 3.8      | 2001-2004 | 2503     | 60A         | 130A       | 105A           | 6S     | None                            |
| 3.8      | 2001-2004 | 2503HO   | 70A         | 170A       | 105A           | 6S     | Power Wire Upgrade              |
| 4        | 2005-2008 | 2438W    | 80A         | 160A       | 135A           | 6S     | None                            |
| 4        | 2005-2008 | 2438WS   | 80A         | 160A       | 135A           | 6S     | Power Wire Upgrade              |
| 4.1      | 1973      | 1614E    | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802C, Power Wire Upgrade |
| 4.2      | 1980-1982 | 1614E    | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802C, Power Wire Upgrade |
| 4.6 SOHC | 1996-1998 | 1989     | 80A         | 160A       | 130A           | 6S     | None                            |
| 4.6 SOHC | 1996-1998 | 1989HO   | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade              |
| 4.6 SOHC | 1999-2004 | 2264     | 60A         | 130A       | 105A           | 6S     | None                            |
| 4.6 SOHC | 1999-2004 | 2264HO   | 70A         | 170A       | 105A           | 6S     | Power Wire Upgrade              |
| 4.6 DOHC | 1996-2001 | 1988     | 80A         | 160A       | 130A           | 6S     | None                            |
| 4.6 DOFC | 1996-2001 | 1988HO   | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade              |
| 4.6 DOHC | 2003-2004 | 2606     | 60A         | 130A       | 105A           | 8S     | None                            |
| 4.6 DOHC | 2003-2004 | 2606HO   | 70A         | 170A       | 105A           | 8S     | Power Wire Upgrade              |
| 4.6 3V   | 2005-2008 | 2158W    | 80A         | 160A       | 135A           | 6S     | None                            |
| 4.6 3V   | 2005-2008 | 2158WHO  | 100A        | 200A       | 135A           | 6S     | Power Wire Upgrade              |
| 5        | 1965-1978 | 1614E    | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802C, Power Wire Upgrade |
| 5        | 1979-1985 | 1614E    | 60A         | 120A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 5        | 1979-1985 | 1614EHO  | 70A         | 150A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 5        | 1979-1985 | 1619     | 80A         | 160A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 5        | 1979-1985 | 1619HO   | 100A        | 200A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 5        | 1986      | 1614E    | 60A         | 120A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 5        | 1986      | 1614EHO  | 70A         | 150A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 5        | 1986      | 1619     | 80A         | 160A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 5        | 1986      | 1619HO   | 100A        | 200A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 5        | 1987-1993 | 1614L    | 60A         | 120A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 5        | 1987-1993 | 1614LHO  | 70A         | 150A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 5        | 1987-1993 | 1619     | 80A         | 160A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 5        | 1987-1993 | 1619HO   | 100A        | 200A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 5.8      | 1973      | 1614E    | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802C, Power Wire Upgrade |
| 5.4      | 2007-2008 | 2434WS   | 80A         | 160A       | 135A           | 6S     | None                            |
| 5.4      | 2007-2008 | 2438WSHO | 100A        | 200A       | 135A           | 6S     | Power Wire Upgrade              |

## Starter

| Engine | Year             | Part# | Output | Modifications Needed |
|--------|------------------|-------|--------|----------------------|
| 2.3    | 1974-1991        | 1894  | 1.4kW  | Kit#9906             |
| 2.3    | 1992-1993        | 1894  | 1.4kW  | None                 |
| 4.6    | 1996-2004        | 1799  | 1.5kW  | None                 |
| 4.6    | 2005-2010        | 1910  | 1.5kW  | None                 |
| 5      | 1965-1973 w/Auto | 1806  | 1.4kW  | Kit#9906             |

|     |                 |      |       |          |
|-----|-----------------|------|-------|----------|
| 5   | 1965-1973 w/Man | 1881 | 1.4kW | Kit#9906 |
| 5   | 1975-1993       | 1806 | 1.4kW | Kit#9906 |
| 5   | 1994-1994       | 1806 | 1.4kW | None     |
| 5.4 | 2007-2010       | 1910 | 1.5kW | None     |
| 5.8 | 1973 w/Auto     | 1806 | 1.4kW | Kit#9906 |
| 5.8 | 1973 w/Man      | 1881 | 1.4kW | Kit#9906 |

## Ranger

### Alternator

| Engine | Year                            | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed            |
|--------|---------------------------------|--------|-------------|------------|----------------|--------|---------------------------------|
| 2      | 1983-1984                       | 1614E  | 60A         | 120A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2      | 1983-1984                       | 1619E  | 80A         | 160A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2      | 1983-1984                       | 1619HO | 100A        | 200A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2      | 1985-1988 Ext Regulator         | 1614E  | 60A         | 120A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2      | 1985-1988 Ext Regulator         | 1619E  | 80A         | 160A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2      | 1985-1988 Ext Regulator         | 1619HO | 100A        | 200A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2      | 1985-1988 Int Regulator, 2-Wire | 1614E  | 60A         | 120A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 2      | 1985-1988 Int Regulator, 2-Wire | 1619E  | 80A         | 160A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 2      | 1985-1988 Int Regulator, 2-Wire | 1619HO | 100A        | 200A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 2      | 1985-1988 Int Regulator, 3-Wire | 1614L  | 60A         | 120A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 2      | 1985-1988 Int Regulator, 3-Wire | 1619   | 80A         | 160A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 2      | 1985-1988 Int Regulator, 3-Wire | 1619HO | 100A        | 200A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 2.3    | 1983-1984                       | 1614E  | 60A         | 120A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2.3    | 1983-1984                       | 1619E  | 80A         | 160A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2.3    | 1983-1984                       | 1619HO | 100A        | 200A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2.3    | 1985-1989 Ext Regulator         | 1614E  | 60A         | 120A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2.3    | 1985-1989 Ext Regulator         | 1619E  | 80A         | 160A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2.3    | 1985-1989 Ext Regulator         | 1619HO | 100A        | 200A       | 40A-100A       | 6S     | Kit#462802C, Power Wire Upgrade |
| 2.3    | 1985-1991 Int Regulator, 2-Wire | 1614E  | 60A         | 120A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 2.3    | 1985-1991 Int Regulator, 2-Wire | 1619E  | 80A         | 160A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 2.3    | 1985-1991 Int Regulator, 2-Wire | 1619HO | 100A        | 200A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 2.3    | 1985-1991 Int Regulator, 3-Wire | 1614L  | 60A         | 120A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 2.3    | 1985-1991 Int Regulator, 3-Wire | 1619   | 80A         | 160A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 2.3    | 1985-1991 Int Regulator, 3-Wire | 1619HO | 100A        | 200A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 2.3    | 1992-1997                       | 1431   | 60A         | 120A       | 95A            | 6S     | None                            |
| 2.3    | 1992-1997                       | 1613   | 80A         | 160A       | 95A            | 6S     | Power Wire Upgrade              |
| 2.3    | 1992-1997                       | 1613HO | 100A        | 200A       | 95A            | 6S     | Power Wire Upgrade              |
| 2.3    | 2001-2008                       | 2656   | 60A         | 130A       | 110A           | 6S     | None                            |
| 2.3    | 2001-2008                       | 2656HO | 70A         | 170A       | 110A           | 6S     | Power Wire Upgrade              |
| 2.5    | 1998-2001                       | 1431   | 60A         | 120A       | 95A            | 6S     | None                            |
| 2.5    | 1998-2001                       | 1613   | 80A         | 160A       | 95A            | 6S     | Power Wire Upgrade              |
| 2.5    | 1998-2001                       | 1613HO | 100A        | 200A       | 95A            | 6S     | Power Wire Upgrade              |
| 3      | 1991 Int Regulator, 2-Wire      | 1614E  | 60A         | 120A       | 95A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 3      | 1991 Int Regulator, 2-Wire      | 1619E  | 80A         | 160A       | 95A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 3      | 1991 Int Regulator, 2-Wire      | 1619HO | 100A        | 200A       | 95A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 3      | 1991 Int Regulator, 3-Wire      | 1614L  | 60A         | 120A       | 95A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 3      | 1991 Int Regulator, 3-Wire      | 1619   | 80A         | 160A       | 95A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 3      | 1991 Int Regulator, 3-Wire      | 1619HO | 100A        | 200A       | 95A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 3      | 1992-2002                       | 1431   | 60A         | 120A       | 95A            | 6S     | None                            |
| 3      | 1992-2002                       | 1613   | 80A         | 160A       | 95A            | 6S     | Power Wire Upgrade              |
| 3      | 1992-2002                       | 1613HO | 100A        | 200A       | 95A            | 6S     | Power Wire Upgrade              |
| 3      | 2003-2005                       | 1431   | 60A         | 120A       | 95A            | 6S     | None                            |
| 3      | 2003-2005                       | 1613   | 80A         | 160A       | 95A            | 6S     | Power Wire Upgrade              |
| 3      | 2003-2005                       | 1613HO | 100A        | 200A       | 95A            | 6S     | Power Wire Upgrade              |
| 3      | 2006-2008                       | 1613   | 80A         | 160A       | 130A           | 6S     | None                            |
| 3      | 2006-2008                       | 1613HO | 100A        | 200A       | 130A           | 6S     | Power Wire Upgrade              |
| 4      | 1990-1991 Int Regulator, 2-Wire | 1614E  | 60A         | 120A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 4      | 1990-1991 Int Regulator, 2-Wire | 1619E  | 80A         | 160A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 4      | 1990-1991 Int Regulator, 2-Wire | 1619HO | 100A        | 200A       | 75A            | 6S     | Kit#462802A, Power Wire Upgrade |
| 4      | 1990-1991 Int Regulator, 3-Wire | 1614L  | 60A         | 120A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 4      | 1990-1991 Int Regulator, 3-Wire | 1619   | 80A         | 160A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 4      | 1990-1991 Int Regulator, 3-Wire | 1619HO | 100A        | 200A       | 75A            | 6S     | Kit#9901, Power Wire Upgrade    |
| 4      | 1992-2002                       | 1431   | 60A         | 120A       | 95A            | 6S     | None                            |
| 4      | 1992-2002                       | 1613   | 80A         | 160A       | 95A            | 6S     | Power Wire Upgrade              |
| 4      | 1992-2002                       | 1613HO | 100A        | 200A       | 95A            | 6S     | Power Wire Upgrade              |

|   |           |        |      |      |     |    |                    |
|---|-----------|--------|------|------|-----|----|--------------------|
| 4 | 2001-2007 | 2609   | 60A  | 120A | 95A | 6S | None               |
| 4 | 2001-2007 | 1613   | 80A  | 160A | 95A | 6S | Power Wire Upgrade |
| 4 | 2001-2007 | 1613HO | 100A | 200A | 95A | 6S | Power Wire Upgrade |

## Starter

| Engine | Year             | Part# | Output | Modifications Needed |
|--------|------------------|-------|--------|----------------------|
| 2.3    | 1991-1997        | 1894  | 1.4kW  | None                 |
| 2.5    | 1998-2001        | 1894  | 1.4kW  | None                 |
| 3      | 1991-1997        | 1559  | 1.4kW  | None                 |
| 3      | 1998-2008        | 1887  | 1.4kW  | None                 |
| 4      | 1990-2009 w/Auto | 1885  | 1.4kW  | None                 |
| 4      | 1990-2009 w/Man  | 1895  | 1.4kW  | None                 |

## Thunderbird

### Alternator

| Engine | Year                                | Part#   | Idle Output | Max Output | Factory Output | Pulley     | Modifications Needed            |
|--------|-------------------------------------|---------|-------------|------------|----------------|------------|---------------------------------|
| 2.3    | 1983-1986                           | 1614E   | 60A         | 120A       | 40A-100A       | 2-V        | Kit#462802C, Power Wire Upgrade |
| 2.3    | 1983-1986                           | 1619E   | 80A         | 160A       | 40A-100A       | 2-V        | Kit#462802C, Power Wire Upgrade |
| 2.3    | 1983-1986                           | 1619HO  | 100A        | 200A       | 40A-100A       | 2-V        | Kit#462802C, Power Wire Upgrade |
| 2.3    | 1987 Int Regulator, 2-Wire          | 1614E   | 60A         | 120A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 2.3    | 1987 Int Regulator, 2-Wire          | 1619E   | 80A         | 160A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 2.3    | 1987 Int Regulator, 2-Wire          | 1619HO  | 100A        | 200A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 2.3    | 1987 Int Regulator, 3-Wire          | 1614L   | 60A         | 120A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 2.3    | 1987 Int Regulator, 3-Wire          | 1619    | 80A         | 160A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 2.3    | 1987 Int Regulator, 3-Wire          | 1619HO  | 100A        | 200A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 3.3    | 1981-1982 w/15mm Top Ear            | 1611M   | 80A         | 160A       | 40A-100A       | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 3.3    | 1981-1982 w/15mm Top Ear            | 1611MHO | 100A        | 200A       | 40A-100A       | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 3.3    | 1981-1982 w/21mm Top Ear            | 1614E   | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 3.3    | 1981-1982 w/21mm Top Ear            | 1619E   | 80A         | 160A       | 40A-100A       | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 3.3    | 1981-1982 w/21mm Top Ear            | 1619HO  | 100A        | 200A       | 40A-100A       | 1-V or 2-V | Kit#462802C, Power Wire Upgrade |
| 3.8    | 1988 Int Regulator, 2-Wire          | 1614E   | 60A         | 120A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 3.8    | 1988 Int Regulator, 2-Wire          | 1619E   | 80A         | 160A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 3.8    | 1988 Int Regulator, 2-Wire          | 1619HO  | 100A        | 200A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 3.8    | 1988 Int Regulator, 3-Wire          | 1614L   | 60A         | 120A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 3.8    | 1988 Int Regulator, 3-Wire          | 1619    | 80A         | 160A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 3.8    | 1988 Int Regulator, 3-Wire          | 1619HO  | 100A        | 200A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 3.8    | 1989-1992 w/o Super Charger, 2-Wire | 1614E   | 60A         | 120A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 3.8    | 1989-1992 w/o Super Charger, 2-Wire | 1619E   | 80A         | 160A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 3.8    | 1989-1992 w/o Super Charger, 2-Wire | 1619HO  | 100A        | 200A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 3.8    | 1989-1992 w/o Super Charger, 3-Wire | 1614L   | 60A         | 120A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 3.8    | 1989-1992 w/o Super Charger, 3-Wire | 1619    | 80A         | 160A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 3.8    | 1989-1992 w/o Super Charger, 3-Wire | 1619HO  | 100A        | 200A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 3.8    | 1993 Int Regulator, 2-Wire          | 1614E   | 60A         | 120A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 3.8    | 1993 Int Regulator, 2-Wire          | 1619E   | 80A         | 160A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 3.8    | 1993 Int Regulator, 2-Wire          | 1619HO  | 100A        | 200A       | 75A            | 6S         | Kit#462802A, Power Wire Upgrade |
| 3.8    | 1993 Int Regulator, 3-Wire          | 1614L   | 60A         | 120A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 3.8    | 1993 Int Regulator, 3-Wire          | 1619    | 80A         | 160A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 3.8    | 1993 Int Regulator, 3-Wire          | 1619HO  | 100A        | 200A       | 75A            | 6S         | Kit#9901, Power Wire Upgrade    |
| 3.8    | 1994-1995 w/o Super Charger         | 1704    | 80A         | 160A       | 130A           | 6S         | None                            |
| 3.8    | 1994-1995 w/o Super Charger         | 1704HO  | 100A        | 200A       | 130A           | 6S         | Power Wire Upgrade              |
| 3.8    | 1996-1997                           | 1704    | 80A         | 160A       | 130A           | 6S         | None                            |
| 3.8    | 1996-1997                           | 1704HO  | 100A        | 200A       | 130A           | 6S         | Power Wire Upgrade              |
| 4.2    | 1980-1981 w/15mm Top Ear            | 1611M   | 80A         | 160A       | 40A-100A       | 1-V        | Kit#462802C, Power Wire Upgrade |
| 4.2    | 1980-1981 w/15mm Top Ear            | 1611MHO | 100A        | 200A       | 40A-100A       | 1-V        | Kit#462802C, Power Wire Upgrade |
| 4.2    | 1980-1981 w/21mm Top Ear            | 1614E   | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802C, Power Wire Upgrade |
| 4.2    | 1980-1981 w/21mm Top Ear            | 1619E   | 80A         | 160A       | 40A-100A       | 1-V        | Kit#462802C, Power Wire Upgrade |
| 4.2    | 1980-1981 w/21mm Top Ear            | 1619HO  | 100A        | 200A       | 40A-100A       | 1-V        | Kit#462802C, Power Wire Upgrade |
| 4.6    | 1994                                | 1612    | 80A         | 160A       | 130A           | 6S         | None                            |
| 4.6    | 1994                                | 1612HO  | 100A        | 200A       | 130A           | 6S         | Power Wire Upgrade              |



|     |                                 |         |      |      |          |     |                                 |
|-----|---------------------------------|---------|------|------|----------|-----|---------------------------------|
| 4.6 | 1995-1997                       | 1989    | 80A  | 160A | 130A     | 6S  | None                            |
| 4.6 | 1995-1997                       | 1989HO  | 100A | 200A | 130A     | 6S  | Power Wire Upgrade              |
| 5   | 1977-1981 w/15mm Top Ear        | 1611M   | 80A  | 160A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 5   | 1977-1981 w/15mm Top Ear        | 1611MHO | 100A | 200A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 5   | 1977-1981 w/21mm Top Ear        | 1614E   | 60A  | 120A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 5   | 1977-1981 w/21mm Top Ear        | 1619E   | 80A  | 160A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 5   | 1977-1981 w/21mm Top Ear        | 1619HO  | 100A | 200A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 5   | 1983-1985                       | 1614E   | 60A  | 120A | 40A-100A | 6S  | Kit#462802C, Power Wire Upgrade |
| 5   | 1983-1985                       | 1619E   | 80A  | 160A | 40A-100A | 6S  | Kit#462802C, Power Wire Upgrade |
| 5   | 1983-1985                       | 1619HO  | 100A | 200A | 40A-100A | 6S  | Kit#462802C, Power Wire Upgrade |
| 5   | 1986-1988 Int Regulator, 2-Wire | 1614E   | 60A  | 120A | 75A      | 6S  | Kit#462802A, Power Wire Upgrade |
| 5   | 1986-1988 Int Regulator, 2-Wire | 1619E   | 80A  | 160A | 75A      | 6S  | Kit#462802A, Power Wire Upgrade |
| 5   | 1986-1988 Int Regulator, 2-Wire | 1619HO  | 100A | 200A | 75A      | 6S  | Kit#462802A, Power Wire Upgrade |
| 5   | 1986-1988 Int Regulator, 3-Wire | 1614L   | 60A  | 120A | 75A      | 6S  | Kit#9901, Power Wire Upgrade    |
| 5   | 1986-1988 Int Regulator, 3-Wire | 1619    | 80A  | 160A | 75A      | 6S  | Kit#9901, Power Wire Upgrade    |
| 5   | 1986-1988 Int Regulator, 3-Wire | 1619HO  | 100A | 200A | 75A      | 6S  | Kit#9901, Power Wire Upgrade    |
| 5   | 1991-1993                       | 1610    | 60A  | 120A | 95A      | 6S  | None                            |
| 5   | 1991-1993                       | 1610HO  | 70A  | 150A | 95A      | 6S  | Power Wire Upgrade              |
| 5.8 | 1977-1979 w/15mm Top Ear        | 1611M   | 80A  | 160A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1977-1979 w/15mm Top Ear        | 1611MHO | 100A | 200A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1977-1979 w/21mm Top Ear        | 1614E   | 60A  | 120A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1977-1979 w/21mm Top Ear        | 1619E   | 80A  | 160A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 5.8 | 1977-1979 w/21mm Top Ear        | 1619HO  | 100A | 200A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 6.6 | 1977-1978 w/15mm Top Ear        | 1611M   | 80A  | 160A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 6.6 | 1977-1978 w/15mm Top Ear        | 1611MHO | 100A | 200A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 6.6 | 1977-1978 w/21mm Top Ear        | 1614E   | 60A  | 120A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 6.6 | 1977-1978 w/21mm Top Ear        | 1619E   | 80A  | 160A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 6.6 | 1977-1978 w/21mm Top Ear        | 1619HO  | 100A | 200A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 7   | 1973 w/15mm Top Ear             | 1611M   | 80A  | 160A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 7   | 1973 w/15mm Top Ear             | 1611MHO | 100A | 200A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 7   | 1973 w/21mm Top Ear             | 1614E   | 60A  | 120A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 7   | 1973 w/21mm Top Ear             | 1619E   | 80A  | 160A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 7   | 1973 w/21mm Top Ear             | 1619HO  | 100A | 200A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1973-1976 w/15mm Top Ear        | 1611M   | 80A  | 160A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1973-1976 w/15mm Top Ear        | 1611MHO | 100A | 200A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1973-1976 w/21mm Top Ear        | 1614E   | 60A  | 120A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1973-1976 w/21mm Top Ear        | 1619E   | 80A  | 160A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |
| 7.5 | 1973-1976 w/21mm Top Ear        | 1619HO  | 100A | 200A | 40A-100A | 1-V | Kit#462802C, Power Wire Upgrade |

## Starter

| Engine | Year               | Part# | Output | Modifications Needed |
|--------|--------------------|-------|--------|----------------------|
| 3.3    | 1981-1982          | 1806  | 1.4kW  | Kit#9906             |
| 3.8    | 1982               | 1806  | 1.4kW  | Kit#9906             |
| 3.8    | 1983-1997          | 1806  | 1.4kW  | None                 |
| 4.2    | 1980-1982          | 1806  | 1.4kW  | Kit#9906             |
| 4.6    | 1994-1997          | 1799  | 1.5kW  | None                 |
| 5      | 1977-1988          | 1806  | 1.4kW  | Kit#9906             |
| 5      | 1991-1993          | 1806  | 1.4kW  | None                 |
| 5.8    | 1977-1979 Engine W | 1806  | 1.4kW  | Kit#9906             |
| 5.8    | 1977-1979 Engine M | 1953  | 1.4kW  | Kit#9906             |
| 6.6    | 1977-1978          | 1953  | 1.4kW  | Kit#9906             |

# Blazer

## Alternator

| Engine | Year                         | Part#  | Idle Output | Max Output | Factory Output | Pulley     | Modifications Needed             |
|--------|------------------------------|--------|-------------|------------|----------------|------------|----------------------------------|
| 1.9    | 1983-1984                    | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 1.9    | 1983-1984                    | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 2      | 1983-1984                    | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802K, Power Wire Upgrade  |
| 2      | 1983-1984                    | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit# 462802G, Power Wire Upgrade |
| 2.5    | 1985-1986                    | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802K, Power Wire Upgrade  |
| 2.5    | 1985-1986                    | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit# 462802G, Power Wire Upgrade |
| 2.5    | 1987-1988                    | 1625   | 60A         | 120A       | 105A           | 6S         | None                             |
| 2.8    | 1983-1985                    | 1895AE | 60A         | 120A       | 40A-100A       | 2-V or 4S  | Kit#462802K, Power Wire Upgrade  |
| 2.8    | 1983-1985                    | 1798H  | 60A         | 120A       | 40A-100A       | 2-V or 4S  | Kit# 462802G, Power Wire Upgrade |
| 2.8    | 1986                         | 1895A  | 60A         | 120A       | 105A           | 5S         | None                             |
| 2.8    | 1987-1989                    | 1625   | 60A         | 120A       | 105A           | 6S         | None                             |
| 4.1    | 1973-1982 exc. w/100A HD Opt | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1982 exc. w/100A HD Opt | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802G, Power Wire Upgrade  |
| 4.3    | 1988-1993                    | 1629   | 60A         | 120A       | 105A           | 6S         | None                             |
| 4.3    | 1994-2001                    | 1802   | 60A         | 120A       | 105A           | 6S         | None                             |
| 4.3    | 1996-1997                    | 1995   | 60A         | 120A       | 105A           | 6S         | None                             |
| 4.3    | 2000-2005                    | 2398   | 60A         | 120A       | 105A           | 6S         | None                             |
| 5      | 1973-1987 exc. w/100A HD Opt | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802K, Power Wire Upgrade  |
| 5      | 1973-1987 exc. w/100A HD Opt | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802G, Power Wire Upgrade  |
| 5      | 1987                         | 1895A  | 60A         | 120A       | 105A           | 5S         | None                             |
| 5.7    | 1973-1988 exc. w/100A HD Opt | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1988 exc. w/100A HD Opt | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit# 462802G, Power Wire Upgrade |
| 5.7    | 1987                         | 1895A  | 60A         | 120A       | 105A           | 5S         | None                             |
| 5.7    | 1989-1992                    | 1629   | 60A         | 120A       | 105A           | 6S         | None                             |
| 5.7    | 1993-1994 w/Std              | 1629   | 60A         | 120A       | 105A           | 6S         | None                             |
| 5.7    | 1992-1994 w/Opt              | 1145   | 80A         | 150A       | 124A           | 6S         | None                             |
| 6.2    | 1982-1987 exc. w/108A Opt    | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 6.2    | 1982-1987 exc. w/108A Opt    | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 6.2    | 1985-1986 w/108A Opt         | 1145   | 80A         | 150A       | 108A           | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 6.2    | 1987 w/ Opt                  | 1629   | 60A         | 120A       | 105A           | 6S         | None                             |
| 6.2    | 1988-1990                    | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 6.2    | 1988-1990                    | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 6.2    | 1991                         | 1895A  | 60A         | 120A       | 105A           | 1-V        | None                             |
| 6.5    | 1994                         | 1629   | 60A         | 120A       | 105A           | 6S         | None                             |
| 6.6    | 1975-1979                    | 1895AE | 60A         | 120A       | 105A           | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 6.6    | 1975-1979                    | 1798H  | 60A         | 120A       | 105A           | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 6.6    | 1975-1979                    | 1895AE | 60A         | 120A       | 105A           | 1-V        | Kit#462802K, Power Wire Upgrade  |

# Starter

| Engine | Year                      | Part# | Output | Modifications Needed |
|--------|---------------------------|-------|--------|----------------------|
| 4.3    | 1988-1990                 | 1474  | 1.4kW  | None                 |
| 4.3    | 1991-1995                 | 1470  | 1.6kW  | None                 |
| 4.3    | 1996-1998                 | 1690  | 1.7kW  | None                 |
| 4.3    | 1999-2001                 | 2112  | 1.5kW  | None                 |
| 5      | 1973                      | 1590  | 1.7kW  | None                 |
| 5      | 1977-1987                 | 1593  | 1.7kW  | None                 |
| 5.7    | 1973-1993 exc. 2WD w/MT   | 1593  | 1.7kW  | None                 |
| 5.7    | 1994 w/10mm Solenoid Post | 1593  | 1.7kW  | None                 |
| 5.7    | 1994 w/8mm Solenoid Post  | 1690  | 1.7kW  | None                 |
| 6.2    | 1982-1983                 | 8402  | 2.9kW  | None                 |
| 6.2    | 1984-1991 w/Auto          | 1580  | 2.9kW  | None                 |
| 6.2    | 1984-1991 w/Man           | 8402  | 2.9kW  | None                 |
| 6.5    | 1994 w/Auto               | 1580  | 2.9kW  | None                 |
| 6.5    | 1994 w/Man                | 8402  | 2.9kW  | None                 |
| 6.6    | 1975-1979                 | 1593  | 1.7kW  | None                 |

# Camaro

## Alternator

| Engine | Year        | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed            |
|--------|-------------|--------|-------------|------------|----------------|--------|---------------------------------|
| 2.5    | 1982 w/AC   | 1145   | 80A         | 150A       | 70A-85A        | 1-V    | Kit#462802K, Power Wire Upgrade |
| 2.5    | 1982 w/o AC | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade |

|     |                               |        |     |      |           |           |                                  |
|-----|-------------------------------|--------|-----|------|-----------|-----------|----------------------------------|
| 2.5 | 1982 w/o AC                   | 1798H  | 60A | 120A | 40A-100A  | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 2.5 | 1983-1985                     | 1895AE | 60A | 120A | 40A-100A  | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 2.5 | 1983-1985                     | 1798H  | 60A | 120A | 40A-100A  | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 2.5 | 1986                          | 1895A  | 60A | 120A | 105A      | 5S        | None                             |
| 2.8 | 1982 w/o AC                   | 1895AE | 60A | 120A | 40A-100A  | 2-V       | Kit#462802K, Power Wire Upgrade  |
| 2.8 | 1982 w/o AC                   | 1798H  | 60A | 120A | 40A-100A  | 2-V       | Kit# 462802G, Power Wire Upgrade |
| 2.8 | 1982 w/AC                     | 1145   | 80A | 120A | 70A-85A   | 2-V       | Kit#462802K, Power Wire Upgrade  |
| 2.8 | 1983-1984                     | 1895AE | 60A | 120A | 40A-100A  | 2-V       | Kit#462802K, Power Wire Upgrade  |
| 2.8 | 1983-1984                     | 1798H  | 60A | 120A | 40A-100A  | 2-V       | Kit# 462802G, Power Wire Upgrade |
| 2.8 | 1985-1986 w/AC                | 1145   | 80A | 150A | 70A-85A   | 4S        | Kit#462802K, Power Wire Upgrade  |
| 2.8 | 1985-1986 w/o AC              | 1895AE | 60A | 120A | 40A-100A  | 4S        | Kit#462802K, Power Wire Upgrade  |
| 2.8 | 1985-1986 w/o AC              | 1798H  | 60A | 120A | 40A-100A  | 4S        | Kit# 462802G, Power Wire Upgrade |
| 2.8 | 1987-1989                     | 1625   | 60A | 120A | 105A      | 6S        | None                             |
| 3.1 | 1990-1992                     | 1625   | 60A | 120A | 105A      | 6S        | None                             |
| 3.8 | 1980-1981 w/10SI Unit         | 1895AE | 60A | 120A | 40A-100A  | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 3.8 | 1980-1981 w/10SI Unit         | 1798H  | 60A | 120A | 40A-100A  | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 3.8 | 1981 w/15SI                   | 1145   | 80A | 150A | 70A-85A   | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 4.1 | 1973-1979                     | 1895AE | 60A | 120A | 40A-100A  | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 4.1 | 1973-1979                     | 1798H  | 60A | 120A | 40A-100A  | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 4.4 | 1980-1981                     | 1895AE | 60A | 120A | 40A-100A  | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 4.4 | 1980-1981                     | 1798H  | 60A | 120A | 40A-100A  | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 4.4 | 1981 w/15SI                   | 1145   | 80A | 150A | 70A-85A   | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 4.9 | 1980                          | 1895AE | 60A | 120A | 40A-100A  | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 4.9 | 1980                          | 1798H  | 60A | 120A | 40A-100A  | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 5   | 1976-1986 exc. w/15SI or 17SI | 1895AE | 60A | 120A | 40A-100A  | 1-V or 5S | Kit#462802K, Power Wire Upgrade  |
| 5   | 1976-1986 exc. w/15SI or 17SI | 1798H  | 60A | 120A | 40A-100A  | 1-V or 5S | Kit# 462802G, Power Wire Upgrade |
| 5   | 1981-1983 w/15SI              | 1145   | 80A | 150A | 70A-85A   | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 5   | 1985-1986 w/17SI              | 1145   | 80A | 150A | 108A      | 5S        | Kit#462802K, Power Wire Upgrade  |
| 5   | 1987                          | 1895A  | 60A | 120A | 105A      | 5S        | None                             |
| 5   | 1988-1992                     | 1629   | 60A | 120A | 105A      | 6S        | Kit#462802K, Power Wire Upgrade  |
| 5.7 | 1973-1981                     | 1895AE | 60A | 120A | 40A-100A  | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 5.7 | 1973-1981                     | 1798H  | 60A | 120A | 40A-100A  | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 5.7 | 1987                          | 1895A  | 60A | 120A | 105A      | 5S        | None                             |
| 5.7 | 1988-1992                     | 1629   | 60A | 120A | 105A      | 6S        | None                             |
| 5.7 | 1993-1997                     | 1129   | 80A | 150A | 124A-140A | 6S        | None                             |
| 5.7 | 1998-2002                     | 2177   | 60A | 120A | 105A      | 6S        | None                             |

## Starter

| Engine | Year                                            | Part# | Output | Modifications Needed |
|--------|-------------------------------------------------|-------|--------|----------------------|
| 2.8    | 1982-1989                                       | 1593  | 1.7kW  | None                 |
| 3.1    | 1990                                            | 1593  | 1.7kW  | None                 |
| 3.8    | 1980-1981                                       | 1590  | 1.7kW  | None                 |
| 3.8    | 1995-1997                                       | 1688  | 1.7kW  | None                 |
| 3.8    | 1998-2002                                       | 1922  | 1.5kW  | None                 |
| 4.1    | 1973-1974                                       | 1590  | 1.7kW  | None                 |
| 4.1    | 1975-1976 w/Man                                 | 1590  | 1.7kW  | None                 |
| 4.1    | 1975-1976 w/Auto                                | 1593  | 1.7kW  | None                 |
| 4.1    | 1978-1979                                       | 1590  | 1.7kW  | None                 |
| 5      | 1976-1992 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 5      | 1976-1992 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 5.7    | 1973-1992 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 5.7    | 1973-1992 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 5.7    | 1993-1994                                       | 1481  | 1.4kW  | None                 |
| 5.7    | 1995-1997                                       | 1689  | 1.7kW  | None                 |
| 5.7    | 1998-2001 w/ equal length mounting ears         | 2095  | 1.7kW  | None                 |
| 5.7    | 1998-2002 w/ unequal length mounting ears       | 1811  | 1.7kW  | None                 |

# Caprice

## Alternator

| Engine | Year                               | Part#  | Idle Output | Max Output | Factory Output | Pulley    | Modifications Needed             |
|--------|------------------------------------|--------|-------------|------------|----------------|-----------|----------------------------------|
| 3.8    | 1980-1985 exc. w/15SI              | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 3.8    | 1980-1985 exc. w/15SI              | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 3.8    | 1980-1985 w/ 15SI                  | 1145   | 80A         | 150A       | 70A            | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1979                          | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1979                          | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1985-1987 exc. w/15SI              | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S | Kit#462802K, Power Wire Upgrade  |
| 4.3    | 1985-1987 exc. w/15SI              | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1985-1987 w/15SI                   | 1145   | 80A         | 150A       | 40A-100A       | 1-V or 5S | Kit#462802K, Power Wire Upgrade  |
| 4.3    | 1988 exc. w/ HBL                   | 1895A  | 60A         | 120A       | 105A           | 5S        | None                             |
| 4.3    | 1988 w/o HBL                       | 1895AE | 60A         | 120A       | 40A-100A       | 5S        | Kit#462802K, Power Wire Upgrade  |
| 4.3    | 1988 w/o HBL                       | 1798H  | 60A         | 120A       | 40A-100A       | 5S        | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1989-1990 exc. w/HD Opt            | 1629   | 60A         | 120A       | 105A           | 6S        | None                             |
| 4.3    | 1989-1990 w/HD Opt                 | 1129   | 80A         | 150A       | 120A           | 6S        | None                             |
| 4.3    | 1994-1996                          | 1129   | 80A         | 150A       | 105A-140A      | 6S        | Power Wire Upgrade               |
| 4.4    | 1980-1982 exc. w/15SI              | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 4.4    | 1980-1982 exc. w/15SI              | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 4.4    | 1980-1982 w/15SI                   | 1145   | 80A         | 150A       | 70A            | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 5      | 1977-1987 exc. w/15SI or 27SI      | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S | Kit#462802K, Power Wire Upgrade  |
| 5      | 1977-1987 exc. w/15SI or 27SI      | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S | Kit# 462802G, Power Wire Upgrade |
| 5      | 1977-1987 w/15SI                   | 1145   | 80A         | 120A       | 70A            | 1-V or 5S | Kit#462802K, Power Wire Upgrade  |
| 5      | 1988                               | 1895A  | 60A         | 120A       | 105A           | 5S        | Kit#462802K, Power Wire Upgrade  |
| 5      | 1989-1990 exc. w/HD Opt            | 1629   | 60A         | 120A       | 105A           | 6S        | None                             |
| 5      | 1989-1990 w/HD Opt                 | 1129   | 80A         | 150A       | 120A           | 6S        | None                             |
| 5      | 1991-1993 exc. w/ Police, Taxi Opt | 1629   | 60A         | 120A       | 105A           | 6S        | None                             |
| 5      | 1991-1993 w/ Police, Taxi Opt      | 1129   | 80A         | 150A       | 124A           | 6S        | None                             |
| 5.7    | 1973-1987 exc. w/15SI              | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1987 exc. w/15SI              | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S | Kit# 462802G, Power Wire Upgrade |
| 5.7    | 1973-1987 w/15SI                   | 1145   | 80A         | 150A       | 70A            | 1-V or 5S | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1991-1996 w/ Police, Taxi Opt      | 1129   | 80A         | 150A       | 124A           | 6S        | None                             |
| 5.7    | 1991-1993 exc. w/ Police, Taxi Opt | 1629   | 60A         | 120A       | 105A           | 6S        | None                             |
| 5.7    | 1994-1996 w/ Std                   | 1129   | 80A         | 150A       | 105A           | 6S        | Power Wire Upgrade               |
| 6.6    | 1973-1976                          | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 6.6    | 1973-1976                          | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 7.4    | 1973-1976                          | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 7.4    | 1973-1976                          | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |

## Starter

| Engine | Year                                            | Part# | Output | Modifications Needed |
|--------|-------------------------------------------------|-------|--------|----------------------|
| 3.8    | 1980-1985                                       | 1590  | 1.7kW  | None                 |
| 4.1    | 1973-1979                                       | 1590  | 1.7kW  | None                 |
| 4.3    | 1985-1989                                       | 1590  | 1.7kW  | None                 |
| 4.3    | 1994-1995                                       | 1471  | 1.6kW  | None                 |
| 4.4    | 1980-1982                                       | 1590  | 1.7kW  | None                 |
| 5      | 1977-1983 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 5      | 1977-1983 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 5      | 1991-1993                                       | 1471  | 1.6kW  | None                 |
| 5.7    | 1973-1993 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 5.7    | 1973-1993 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 6.6    | 1973-1976                                       | 1593  | 1.7kW  | None                 |
| 7.4    | 1973-1976                                       | 1593  | 1.7kW  | None                 |



# Cavalier

## Alternator

| Engine | Year                   | Part#  | Idle Output | Max Output | Factory Output | Pulley   | Modifications Needed             |
|--------|------------------------|--------|-------------|------------|----------------|----------|----------------------------------|
| 1.8    | 1982 exc. w/15SI       | 1895AE | 60A         | 120A       | 40A-100A       | 1-V      | Kit#462802K, Power Wire Upgrade  |
| 1.8    | 1982 exc. w/15SI       | 1798H  | 60A         | 120A       | 40A-100A       | 1-V      | Kit# 462802G, Power Wire Upgrade |
| 2      | 1983-1986              | 1895AE | 60A         | 120A       | 40A-100A       | 1-V      | Kit#462802K, Power Wire Upgrade  |
| 2      | 1983-1986              | 1798H  | 60A         | 120A       | 40A-100A       | 1-V      | Kit# 462802G, Power Wire Upgrade |
| 2.2    | 1995                   | 1629   | 60A         | 120A       | 105A           | 5S       | None                             |
| 2.2    | 1996-2001              | 2043   | 60A         | 120A       | 105A           | 5S       | None                             |
| 2.4    | 1996-1999              | 2020   | 60A         | 120A       | 105A           | 5S       | None                             |
| 2.4    | 2000-2001              | 2548   | 60A         | 120A       | 105A           | 5S       | None                             |
| 2.8    | 1985-1986              | 1895AE | 60A         | 120A       | 40A-100A       | 4S or 6S | Kit#462802K, Power Wire Upgrade  |
| 2.8    | 1985-1986              | 1798H  | 60A         | 120A       | 40A-100A       | 4S or 6S | Kit# 462802G, Power Wire Upgrade |
| 2.8    | 1987-1989              | 1625   | 60A         | 120A       | 105A           | 6S       | None                             |
| 3.1    | 1990-1994 exc. w/CS121 | 1625   | 60A         | 120A       | 105A           | 6S       | None                             |

## Starter

| Engine | Year                       | Part# | Output | Modifications Needed |
|--------|----------------------------|-------|--------|----------------------|
| 2.2    | 1990-1995                  | 1412  | 1.3kW  | None                 |
| 2.2    | 1992 w/ 10mm Solenoid Post | 1514  | 1.3kW  | None                 |
| 2.2    | 1992 w/ 8mm Solenoid Post  | 1412  | 1.3kW  | None                 |
| 2.2    | 1996-1997                  | 1790  | 1.3kW  | None                 |
| 2.2    | 1998                       | 1814  | 1.4kW  | None                 |
| 2.2    | 1999-2001                  | 1814  | 1.4kW  | None                 |
| 2.3    | 1995                       | 1517  | 1.3kW  | None                 |
| 2.4    | 1996-1998                  | 1792  | 1.6kW  | None                 |
| 2.4    | 1999-2000                  | 1819  | 1.7kW  | None                 |
| 2.4    | 2001                       | 2114  | 1.6kW  | None                 |
| 2.8    | 1985-1989                  | 1514  | 1.3kW  | None                 |
| 2.8    | 1988                       | 1413  | 1.3kW  | None                 |
| 3.1    | 1990-1994                  | 1412  | 1.3kW  | None                 |

# Chevelle

## Alternator

| Engine | Year      | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed             |
|--------|-----------|--------|-------------|------------|----------------|--------|----------------------------------|
| 4.1    | 1973-1974 | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1974 | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 5      | 1973      | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5      | 1973      | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 5.7    | 1973-1974 | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1974 | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 6.6    | 1973-1974 | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 6.6    | 1973-1974 | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 7.4    | 1973-1974 | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 7.4    | 1973-1974 | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |

## Starter

| Engine | Year      | Part# | Output | Modifications Needed |
|--------|-----------|-------|--------|----------------------|
| All    | 1973-1974 | 1593  | 1.7kW  | None                 |

# C,K Pickup

## Alternator

| Engine | Year                    | Part#  | Idle Output | Max Output | Factory Output | Pulley     | Modifications Needed             |
|--------|-------------------------|--------|-------------|------------|----------------|------------|----------------------------------|
| 4.1    | 1973-1984 exc. w/HD Opt | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1984 exc. w/HD Opt | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1985-1986               | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802K, Power Wire Upgrade  |
| 4.3    | 1985-1986               | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1988-1995               | 1629   | 60A         | 120A       | 105A           | 4S or 6S   | None                             |
| 4.3    | 1996-1998               | 1995   | 60A         | 120A       | 105A           | 6S         | None                             |
| 4.8    | 1973-1986 exc. w/27SI   | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 3-V | Kit#462802K, Power Wire Upgrade  |
| 4.8    | 1973-1986 exc. w/27SI   | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 3-V | Kit# 462802G, Power Wire Upgrade |
| 5      | 1973-1986 exc. w/27SI   | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802K, Power Wire Upgrade  |
| 5      | 1973-1986 exc. w/27SI   | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit# 462802G, Power Wire Upgrade |

|     |                       |        |     |      |           |           |                                  |
|-----|-----------------------|--------|-----|------|-----------|-----------|----------------------------------|
| 5   | 1988-1995 w/ CS130    | 1629   | 60A | 120A | 105A      | 4S or 6S  | None                             |
| 5   | 1988-1995 w/ CS144    | 1145   | 80A | 150A | 124A-140A | 6S        | None                             |
| 5   | 1996-1999 w/ Std      | 1995   | 60A | 120A | 105A      | 6S        | None                             |
| 5   | 1996-1999 w/ Opt      | 2036   | 80A | 150A | 140A      | 6S        | None                             |
| 5.7 | 1973-1986 exc. w/27SI | 1895AE | 60A | 120A | 40A-100A  | 1-V or 5S | Kit#462802K, Power Wire Upgrade  |
| 5.7 | 1973-1986 exc. w/27SI | 1798H  | 60A | 120A | 40A-100A  | 1-V or 5S | Kit# 462802G, Power Wire Upgrade |
| 5.7 | 1988-1995 w/ CS130    | 1629   | 60A | 120A | 105A      | 4S or 6S  | None                             |
| 5.7 | 1988-1995 w/ CS144    | 1145   | 80A | 150A | 124A-140A | 4S or 6S  | None                             |
| 5.7 | 1996-2000 w/ Std      | 1995   | 60A | 120A | 105A      | 6S        | None                             |
| 5.7 | 1996-2000 w/ Opt      | 2036   | 80A | 150A | 140A      | 6S        | None                             |
| 6.2 | 1982-1986 exc. w/17SI | 1895AE | 60A | 120A | 40A-100A  | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 6.2 | 1982-1986 exc. w/17SI | 1798H  | 60A | 120A | 40A-100A  | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 6.2 | 1988-1993             | 1629   | 60A | 120A | 105A      | 6S        | None                             |
| 6.5 | 1992-1995             | 1629   | 60A | 120A | 105A      | 6S        | None                             |
| 6.5 | 1996-2000 w/ Std      | 1995   | 60A | 120A | 105A      | 6S        | None                             |
| 6.5 | 1996-2000 w/ Opt      | 2036   | 80A | 150A | 140A      | 6S        | None                             |
| 6.5 | 2001 w/ Std           | 2320   | 60A | 120A | 105A      | 6S        | None                             |
| 6.5 | 2001 w/ Opt           | 2419   | 80A | 150A | 130A      | 6S        | None                             |
| 6.6 | 1976-1980 exc. w/27SI | 1895AE | 60A | 120A | 40A-100A  | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 6.6 | 1976-1980 exc. w/27SI | 1798H  | 60A | 120A | 40A-100A  | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 7.4 | 1973-1986 exc. w/27SI | 1895AE | 60A | 120A | 40A-100A  | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 7.4 | 1973-1986 exc. w/27SI | 1798H  | 60A | 120A | 40A-100A  | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 7.4 | 1988-1993 w/ CS130    | 1894A  | 60A | 120A | 105A      | 6S        | None                             |
| 7.4 | 1994-1995             | 1629   | 60A | 120A | 105A      | 6S        | None                             |
| 7.4 | 1996-2000 w/ Std      | 1995   | 60A | 120A | 105A      | 6S        | None                             |
| 7.4 | 1996-2000 w/ Opt      | 2036   | 80A | 150A | 140A      | 6S        | None                             |
| 8.1 | 2001 w/ Std           | 2320   | 60A | 120A | 105A      | 6S        | None                             |
| 8.1 | 2001 w/ Opt           | 2419   | 80A | 150A | 105A      | 6S        | None                             |

## Starter

| Engine | Year                       | Part# | Output | Modifications Needed |
|--------|----------------------------|-------|--------|----------------------|
| 4.3    | 1985-1986                  | 1593  | 1.7kW  | None                 |
| 4.3    | 1988-1989                  | 1474  | 1.4kW  | None                 |
| 4.3    | 1990-1996                  | 1470  | 1.6kW  | None                 |
| 4.3    | 1997-1998                  | 1796  | 1.6kW  | None                 |
| 4.8    | 1973-1986                  | 1593  | 1.7kW  | None                 |
| 5      | 1973                       | 1590  | 1.7kW  | None                 |
| 5      | 1976-1993                  | 1593  | 1.7kW  | None                 |
| 5      | 1994 w/ 8mm solenoid post  | 1470  | 1.6kW  | None                 |
| 5      | 1994 w/ 10mm solenoid post | 1593  | 1.7kW  | None                 |
| 5      | 1995-1996                  | 1470  | 1.6kW  | None                 |
| 5      | 1997-1998                  | 1796  | 1.6kW  | None                 |
| 5      | 1999                       | 1690  | 1.7kW  | None                 |
| 5.7    | 1973-1993 exc. Diesel      | 1593  | 1.7kW  | None                 |
| 5.7    | 1994-2000                  | 1690  | 1.7kW  | None                 |
| 6.2    | 1982-1983                  | 8402  | 2.9kW  | None                 |
| 6.2    | 1984-1993 w/Auto           | 1580  | 2.9kW  | None                 |
| 6.2    | 1984-1993 w/Man            | 8402  | 2.9kW  | None                 |
| 6.5    | 1992-1994 w/Auto           | 1580  | 2.9kW  | None                 |
| 6.5    | 1992-1994 w/Man            | 8402  | 2.9kW  | None                 |
| 6.5    | 1995-2001                  | 8402  | 2.9kW  | None                 |
| 6.6    | 1975-1980                  | 1593  | 1.7kW  | None                 |
| 7.4    | 1973-1993                  | 1593  | 1.7kW  | None                 |
| 7.4    | 1994-2001                  | 1690  | 1.7kW  | None                 |

## Corvette

### Alternator

| Engine | Year                     | Part#  | Idle Output | Max Output | Factory Output | Pulley    | Modifications Needed             |
|--------|--------------------------|--------|-------------|------------|----------------|-----------|----------------------------------|
| 5.7    | 1973-1981 exc. w/15SI    | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1981 exc. w/15SI    | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 5.7    | 1980-1985 w/15SI or 17SI | 1145   | 80A         | 150A       | 70A-108A       | 1-V or 6S | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1992-1996 exc. ZR1       | 1145   | 80A         | 150A       | 124A-140A      | 6S        | None                             |
| 7.4    | 1973-1974                | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 7.4    | 1973-1974                | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |

**Starter**

| Engine | Year                                      | Part# | Output | Modifications Needed |
|--------|-------------------------------------------|-------|--------|----------------------|
| 5.7    | 1973-1987                                 | 1593  | 1.7kW  | None                 |
| 5.7    | 1997-2001 w/ Equal Length Mounting Ears   | 2095  | 1.7kW  | None                 |
| 5.7    | 1997-2001 w/ Unequal Length Mounting Ears | 1811  | 1.7kW  | None                 |
| 7.4    | 1973-1974                                 | 1593  | 1.7kW  | None                 |

**El Camino****Alternator**

| Engine | Year                          | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed             |
|--------|-------------------------------|--------|-------------|------------|----------------|--------|----------------------------------|
| 3.3    | 1978-1979                     | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 3.3    | 1978-1979                     | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 3.8    | 1978-1984 exc. w/15SI or 27SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 3.8    | 1978-1984 exc. w/15SI or 27SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 3.8    | 1978-1984 w/15SI              | 1145   | 60A         | 120A       | 70A            | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1977                     | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1977                     | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1985-1987                     | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 4.3    | 1985-1987                     | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 4.4    | 1979-1982 exc. w/15SI or 27SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 4.4    | 1979-1982 exc. w/15SI or 27SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 4.4    | 1979-1982 w/15SI              | 1145   | 80A         | 150A       | 70A            | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5      | 1973-1987 exc. w/15SI or 27SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5      | 1973-1987 exc. w/15SI or 27SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 5      | 1973-1987 w/15SI              | 1145   | 80A         | 150A       | 70A            | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1984 exc. w/15SI or 27SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1984 exc. w/15SI or 27SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 5.7    | 1973-1984 w/15SI              | 1145   | 80A         | 150A       | 70A            | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 6.6    | 1974-1976                     | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 6.6    | 1974-1976                     | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 7.4    | 1973-1975                     | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 7.4    | 1973-1975                     | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |

**Starter**

| Engine | Year                                            | Part# | Output | Modifications Needed |
|--------|-------------------------------------------------|-------|--------|----------------------|
| 3.3    | 1978-1979                                       | 1590  | 1.7kW  | None                 |
| 3.8    | 1978-1985                                       | 1590  | 1.7kW  | None                 |
| 4.1    | 1973-1976                                       | 1590  | 1.7kW  | None                 |
| 4.3    | 1985-1987                                       | 1590  | 1.7kW  | None                 |
| 4.4    | 1979-1982                                       | 1590  | 1.7kW  | None                 |
| 4.4    | 1980 w/Man                                      | 1590  | 1.7kW  | None                 |
| 4.4    | 1980 w/Auto                                     | 1593  | 1.7kW  | None                 |
| 5      | 1973-1987 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 5      | 1973-1987 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 5.7    | 1973-1979                                       | 1593  | 1.7kW  | None                 |
| 6.6    | 1974-1976                                       | 1593  | 1.7kW  | None                 |
| 7.4    | 1973-1975                                       | 1593  | 1.7kW  | None                 |

**Express Van****Alternator**

| Engine | Year                | Part# | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|---------------------|-------|-------------|------------|----------------|--------|----------------------|
| 4.3    | 1996-2000 w/ CS130D | 1995  | 60A         | 120A       | 105A           | 6S     | None                 |
| 4.3    | 1996-2000 w/ CS144  | 2036  | 80A         | 150A       | 124A-140A      | 6S     | None                 |
| 4.3    | 2001-2004 w/ Std    | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 4.3    | 2001-2008 w/ Opt    | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 5      | 1996-2000 w/ CS130D | 1995  | 60A         | 120A       | 105A           | 6S     | None                 |
| 5      | 1996-2000 w/ CS144  | 2036  | 80A         | 150A       | 124A-140A      | 6S     | None                 |
| 5      | 2001-2002 w/ Std    | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 5      | 2001-2002 w/ Opt    | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |

|     |                     |      |     |      |           |    |      |
|-----|---------------------|------|-----|------|-----------|----|------|
| 5.7 | 1996-2000 w/ CS130D | 1995 | 60A | 120A | 105A      | 6S | None |
| 5.7 | 1996-2000 w/ CS144  | 2036 | 80A | 150A | 124A-140A | 6S | None |
| 5.7 | 2001-2002 w/ Std    | 2320 | 60A | 120A | 105A      | 6S | None |
| 5.7 | 2001-2002 w/ Opt    | 2419 | 80A | 150A | 130A      | 6S | None |
| 6   | 2003-2004 w/ Std    | 2320 | 60A | 120A | 105A      | 6S | None |
| 6   | 2003-2009 w/ Opt    | 2419 | 80A | 150A | 130A      | 6A | None |
| 6.5 | 1996-2000 w/ CS130D | 1995 | 60A | 120A | 105A      | 6S | None |
| 6.5 | 1996-2000 w/ CS144  | 2036 | 80A | 150A | 124A-140A | 6S | None |
| 6.5 | 2001-2002 w/ Std    | 2320 | 60A | 120A | 105A      | 6S | None |
| 6.5 | 2001-2002 w/ Opt    | 2419 | 80A | 150A | 130A      | 6S | None |
| 6.6 | 2006                | 2419 | 80A | 150A | 130A      | 6S | None |
| 6.6 | 2007-2009           | 2555 | 80A | 150A | 145A      | 6S | None |
| 7.4 | 1996-2000 w/ CS130D | 1995 | 60A | 120A | 105A      | 6S | None |
| 7.4 | 1996-2000 w/ CS144  | 2036 | 80A | 150A | 124A-140A | 6S | None |
| 8.1 | 2001 w/ Std         | 2320 | 60A | 120A | 105A      | 6S | None |
| 8.1 | 2001 w/ Opt         | 2419 | 80A | 150A | 130A      | 6S | None |

## Impala

### Alternator

| Engine | Year                          | Part#  | Idle Output | Max Output | Factory Output | Pulley    | Modifications Needed             |
|--------|-------------------------------|--------|-------------|------------|----------------|-----------|----------------------------------|
| 3.4    | 2000-2001                     | 2214   | 60A         | 120A       | 105A           | 6S        | None                             |
| 3.8    | 1980-1984 exc. w/15SI         | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K. Power Wire Upgrade  |
| 3.8    | 1980-1984 exc. w/15SI         | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 3.8    | 1980-1984 w/15SI              | 1145   | 80A         | 150A       | 70A            | 1-V       | Kit#462802K. Power Wire Upgrade  |
| 3.8    | 2000-2001 w/ Delco Alt        | 2214   | 60A         | 120A       | 105A           | 6S        | None                             |
| 4.1    | 1973-1979                     | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K. Power Wire Upgrade  |
| 4.1    | 1973-1979                     | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1985 exc. w/15SI              | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S | Kit#462802K. Power Wire Upgrade  |
| 4.3    | 1985 exc. w/15SI              | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1985 w/15SI                   | 1145   | 80A         | 150A       | 70A            | 1-V or 5S | Kit#462802K. Power Wire Upgrade  |
| 4.4    | 1980-1982 exc. w/15SI         | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K. Power Wire Upgrade  |
| 4.4    | 1980-1982 exc. w/15SI         | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 4.4    | 1980-1982 w/15SI              | 1145   | 80A         | 150A       | 70A            | 1-V       | Kit#462802K. Power Wire Upgrade  |
| 5      | 1977-1985 exc. w/15SI         | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K. Power Wire Upgrade  |
| 5      | 1977-1985 exc. w/15SI         | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 5      | 1977-1985 w/15SI              | 1145   | 80A         | 150A       | 70A            | 1-V       | Kit#462802K. Power Wire Upgrade  |
| 5.7    | 1973-1983 exc. w/15SI or 27SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K. Power Wire Upgrade  |
| 5.7    | 1973-1983 exc. w/15SI or 27SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 5.7    | 1973-1983 w/15SI              | 1145   | 80A         | 150A       | 70A            | 1-V       | Kit#462802K. Power Wire Upgrade  |
| 5.7    | 1995-1996                     | 1129   | 80A         | 150A       | 140A           | 6S        | None                             |
| 6.6    | 1973-1976                     | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K. Power Wire Upgrade  |
| 6.6    | 1973-1976                     | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 7.4    | 1973-1976                     | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K. Power Wire Upgrade  |
| 7.4    | 1973-1976                     | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |

### Starter

| Engine | Year                                            | Part# | Output | Modifications Needed |
|--------|-------------------------------------------------|-------|--------|----------------------|
| 3.8    | 1980-1984                                       | 1590  | 1.7kW  | None                 |
| 4.1    | 1973-1979                                       | 1590  | 1.7kW  | None                 |
| 4.3    | 1985                                            | 1590  | 1.7kW  | None                 |
| 4.4    | 1980-1982                                       | 1590  | 1.7kW  | None                 |
| 5      | 1977-1983 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 5      | 1977-1983 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 5.7    | 1973-1983                                       | 1593  | 1.7kW  | None                 |
| 5.7    | 1995                                            | 1481  | 1.4kW  | None                 |
| 5.7    | 1996                                            | 1689  | 1.7kW  | None                 |
| 6.6    | 1973-1976                                       | 1593  | 1.7kW  | None                 |
| 7.4    | 1973-1976                                       | 1593  | 1.7kW  | None                 |



# Malibu

## Alternator

| Engine | Year                  | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed             |
|--------|-----------------------|--------|-------------|------------|----------------|--------|----------------------------------|
| 3.3    | 1978-1979             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 3.3    | 1978-1979             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 3.8    | 1978-1983 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 3.8    | 1978-1983 exc. w/15SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 3.8    | 1978-1983 w/15SI      | 1145   | 80A         | 150A       | 70A            | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1977             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1977             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1982-1983 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 4.3    | 1982-1983 exc. w/15SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1982-1983 w/15SI      | 1145   | 80A         | 150A       | 70A            | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 4.4    | 1979-1981 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 4.4    | 1979-1981 exc. w/15SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 4.4    | 1979-1981 w/15SI      | 1145   | 80A         | 150A       | 70A            | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5      | 1973-1983 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5      | 1973-1983 exc. w/15SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 5      | 1973-1983 w/15SI      | 1145   | 80A         | 150A       | 70A            | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1983 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1983 exc. w/15SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 5.7    | 1973-1983 w/15SI      | 1145   | 80A         | 150A       | 70A            | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 6.6    | 1974-1975             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 6.6    | 1974-1975             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |
| 7.4    | 1973-1975             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 7.4    | 1973-1975             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |

## Starter

| Engine | Year                                            | Part# | Output | Modifications Needed |
|--------|-------------------------------------------------|-------|--------|----------------------|
| 3.3    | 1978-1979                                       | 1590  | 1.7kW  | None                 |
| 3.8    | 1978-1983                                       | 1590  | 1.7kW  | None                 |
| 4.1    | 1973-1977                                       | 1590  | 1.7kW  | None                 |
| 4.1    | 1975-1976 w/Man                                 | 1590  | 1.7kW  | None                 |
| 4.1    | 1975-1976 w/Auto                                | 1593  | 1.7kW  | None                 |
| 4.4    | 1979-1982                                       | 1590  | 1.7kW  | None                 |
| 5      | 1973-1980 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 5      | 1973-1980 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 5.7    | 1973-1983 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 5.7    | 1973-1983 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 6.6    | 1974-1976                                       | 1593  | 1.7kW  | None                 |
| 7.4    | 1973-1975                                       | 1593  | 1.7kW  | None                 |

# Monte Carlo

## Alternator

| Engine | Year                          | Part#  | Idle Output | Max Output | Factory Output | Pulley    | Modifications Needed             |
|--------|-------------------------------|--------|-------------|------------|----------------|-----------|----------------------------------|
| 3.3    | 1978-1979                     | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 3.3    | 1978-1979                     | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 3.8    | 1978-1986 exc. w/15SI         | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S | Kit#462802K, Power Wire Upgrade  |
| 3.8    | 1978-1986 exc. w/15SI         | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 6S | Kit# 462802G, Power Wire Upgrade |
| 3.8    | 1978-1986 w/15SI              | 1145   | 80A         | 150A       | 70A            | 1-V or 6S | Kit#462802K, Power Wire Upgrade  |
| 4.3    | 1982-1988 exc. w/15SI         | 1895AE | 60A         | 120A       | 40A-100A       | 6S        | Kit#462802K, Power Wire Upgrade  |
| 4.3    | 1982-1988 exc. w/15SI         | 1798H  | 60A         | 120A       | 40A-100A       | 6S        | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1982-1988 w/15SI              | 1145   | 80A         | 150A       | 70A            | 6S        | Kit#462802K, Power Wire Upgrade  |
| 4.4    | 1979-1982 exc. w/15SI or 27SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 4.4    | 1979-1982 exc. w/15SI or 27SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 4.4    | 1979-1982 w/15SI              | 1145   | 80A         | 150A       | 70A            | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 5      | 1976-1988 exc. w/15SI or 27SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 5      | 1976-1988 exc. w/15SI or 27SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 5      | 1976-1988 w/15SI              | 1145   | 80A         | 150A       | 70A            | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1984 exc. w/15SI         | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |

|     |                       |        |     |      |          |     |                                  |
|-----|-----------------------|--------|-----|------|----------|-----|----------------------------------|
| 5.7 | 1973-1984 exc. w/15SI | 1798H  | 60A | 120A | 40A-100A | 1-V | Kit# 462802G, Power Wire Upgrade |
| 5.7 | 1973-1984 w/15SI      | 1145   | 80A | 150A | 70A      | 1-V | Kit#462802K, Power Wire Upgrade  |
| 6.6 | 1974-1976             | 1895AE | 60A | 120A | 40A-100A | 1-V | Kit#462802K, Power Wire Upgrade  |
| 6.6 | 1974-1976             | 1798H  | 60A | 120A | 40A-100A | 1-V | Kit# 462802G, Power Wire Upgrade |
| 7.4 | 1973-1975             | 1895AE | 60A | 120A | 40A-100A | 1-V | Kit#462802K, Power Wire Upgrade  |
| 7.4 | 1973-1975             | 1798H  | 60A | 120A | 40A-100A | 1-V | Kit# 462802G, Power Wire Upgrade |

### Starter

| Engine | Year                                            | Part# | Output | Modifications Needed              |
|--------|-------------------------------------------------|-------|--------|-----------------------------------|
| 3.8    | 1978-1984                                       | 1590  | 1.7kW  | None                              |
| 3.8    | 1998-2000                                       | 1922  | 1.5kW  | None                              |
| 3.8    | 2001                                            | 2111  | 1.4kW  | None                              |
| 4.3    | 1985-1988                                       | 1590  | 1.7kW  | None                              |
| 4.4    | 1980 w/Auto                                     | 1593  | 1.7kW  | None                              |
| 4.4    | 1980 w/Man                                      | 1590  | 1.7kW  | None                              |
| 4.4    | 1979-1982                                       | 1590  | 1.7kW  | None                              |
| 5      | 1976-1980 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                              |
| 5      | 1976-1980 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                              |
| 5.7    | 1973-1977 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                              |
| 5.7    | 1973-1977 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                              |
| 6.6    | 1974-1976                                       | 1593  | 1.7kW  | None7.4 1973-1975 1593 1.7kW None |

## Nova

### Alternator

| Engine | Year      | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed             |
|--------|-----------|--------|-------------|------------|----------------|--------|----------------------------------|
| 4.1    | 1973-1979 | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 4.3    | 1975      | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5      | 1973-1979 | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1979 | 1895AE | 60A         | 120A       | 40A-100A       | 1-V    | Kit#462802K, Power Wire Upgrade  |
| All    | 1973-1979 | 1798H  | 60A         | 120A       | 40A-100A       | 1-V    | Kit# 462802G, Power Wire Upgrade |

### Starter

| Engine | Year                                            | Part# | Output | Modifications Needed |
|--------|-------------------------------------------------|-------|--------|----------------------|
| 4.1    | 1973-1979 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 4.1    | 1973-1979 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 4.3    | 1975                                            | 1590  | 1.7kW  | None                 |
| 5      | 1973-1979 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 5      | 1973-1979 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 5.7    | 1973-1979                                       | 1593  | 1.7kW  | None                 |

## S, T Series

### Alternator

| Engine | Year                | Part#  | Idle Output | Max Output | Factory Output | Pulley    | Modifications Needed             |
|--------|---------------------|--------|-------------|------------|----------------|-----------|----------------------------------|
| 1.9    | 1982-1985           | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 1.9    | 1982-1985           | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 2      | 1983-1984           | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 2      | 1983-1984           | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 2.2    | 1984-1985           | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 2.2    | 1984-1985           | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 2.2    | 1994-2001           | 1802   | 60A         | 120A       | 105A           | 6S        | None                             |
| 2.5    | 1985-1986           | 1895AE | 60A         | 120A       | 40A-100A       | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 2.5    | 1985-1986           | 1798H  | 60A         | 120A       | 40A-100A       | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 2.5    | 1986 2nd Production | 1624   | 60A         | 120A       | 105A           | 1-V       | None                             |
| 2.5    | 1987-1993           | 1625   | 60A         | 120A       | 105A           | 6S        | None                             |
| 2.8    | 1982-1985           | 1895AE | 60A         | 120A       | 40A-100A       | 2-V or 4S | Kit#462802K, Power Wire Upgrade  |

|     |           |       |     |      |          |           |                                  |
|-----|-----------|-------|-----|------|----------|-----------|----------------------------------|
| 2.8 | 1982-1985 | 1798H | 60A | 120A | 40A-100A | 2-V or 4S | Kit# 462802G, Power Wire Upgrade |
| 2.8 | 1986      | 1624  | 60A | 120A | 105A     | 4S        | None                             |
| 2.8 | 1987-1993 | 1625  | 60A | 120A | 105A     | 6S        | None                             |
| 4.3 | 1988-1993 | 1629  | 60A | 120A | 105A     | 6S        | None                             |
| 4.3 | 1994-2001 | 1802  | 60A | 120A | 105A     | 6S        | None                             |
| 4.3 | 1996-1997 | 1995  | 60A | 120A | 105A     | 6S        | None                             |
| 4.3 | 2000      | 2398  | 60A | 120A | 105A     | 6S        | None                             |

## Silverado

### Alternator

| Engine | Year                         | Part# | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|------------------------------|-------|-------------|------------|----------------|--------|----------------------|
| 4.3    | 1999-2004 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 4.3    | 1999-2004 w/ Opt             | 2419  | 80A         | 150A       | 145A           | 6S     | None                 |
| 4.3    | 2005-2009                    | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 4.8    | 2000-2004 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 4.8    | 2000-2004 w/ Opt             | 2419  | 80A         | 150A       | 145A           | 6S     | None                 |
| 4.8    | 2005-2009                    | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 5.3    | 1999-2004 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 5.3    | 1999-2004 w/ Opt             | 2419  | 80A         | 150A       | 145A           | 6S     | None                 |
| 5.3    | 2005-2009                    | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 6      | 1999-2005 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 6      | 1999-2005 w/ Opt             | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 6      | 2006-2007 w/ 2-Pin Regulator | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 6      | 2006-2007 w/ 4-Pin Regulator | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 6.6    | 2001-2005 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 6.6    | 2001-2005 w/ Opt             | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 6.6    | 2006-2009                    | 2556  | 80A         | 150A       | 145A           | 6S     | None                 |
| 8.1    | 2001-2005 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 8.1    | 2001-2005 w/ Opt             | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 8.1    | 2006-2009                    | 2556  | 80A         | 150A       | 145A           | 6S     | None                 |

### Starter

| Engine | Year                                      | Part#  | Output | Modifications Needed |
|--------|-------------------------------------------|--------|--------|----------------------|
| 4.3    | 1999-2004                                 | 2112   | 1.5kW  | None                 |
| 4.3    | 2005-2008                                 | 2579   | 1.2kW  | None                 |
| 4.3    | 2009                                      | 3138   | 1.2kW  | None                 |
| 4.8    | 1999-2002                                 | 2211   | 1.5kW  | None                 |
| 4.8    | 2003-2008                                 | 2336   | 1.1kW  | None                 |
| 4.8    | 2009                                      | 6970   | 1.1kW  | None                 |
| 5.3    | 1999-2002                                 | 2211   | 1.5kW  | None                 |
| 5.3    | 2003-2008                                 | 2336   | 1.1kW  | None                 |
| 5.3    | 2009                                      | 6970   | 1.1kW  | None                 |
| 6      | 1999                                      | 1690   | 1.7k   | None                 |
| 6      | 2000-2001 w/ equal length mounting ears   | 2095   | 1.7kW  | None                 |
| 6      | 2000-2001 w/ unequal length mounting ears | 1811   | 1.7kW  | None                 |
| 6      | 2002-2005                                 | 2200   | 1.6kW  | None                 |
| 6      | 2006-2008                                 | 2381   | 1.4kW  | None                 |
| 6      | 2009                                      | 6942   | 1.4kW  | None                 |
| 6.6    | 2001-2009                                 | 2320HI | 2.2kW  | None                 |
| 8.1    | 2001                                      | 1690   | 1.7kW  | None                 |

## Suburban

### Alternator

| Engine | Year                  | Part#  | Idle Output | Max Output | Factory Output | Pulley     | Modifications Needed             |
|--------|-----------------------|--------|-------------|------------|----------------|------------|----------------------------------|
| 4.1    | 1973-1979             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1979             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 4.8    | 1973-1979             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802K, Power Wire Upgrade  |
| 4.8    | 1973-1979             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit# 462802G, Power Wire Upgrade |
| 5      | 1973-1987 exc. w/27SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802K, Power Wire Upgrade  |
| 5      | 1973-1987 exc. w/27SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit# 462802G, Power Wire Upgrade |
| 5.3    | 2000-2004 w/Std       | 2320   | 60A         | 120A       | 105A           | 6S         | None                             |
| 5.3    | 2000-2004 w/ Opt      | 2419   | 80A         | 150A       | 130A           | 6S         | None                             |

|     |                              |        |     |      |          |           |                                  |
|-----|------------------------------|--------|-----|------|----------|-----------|----------------------------------|
| 5.3 | 2005-2009                    | 2555   | 80A | 150A | 145A     | 6S        | None                             |
| 5.7 | 1973-1988 exc. w/27SI        | 1895AE | 60A | 120A | 40A-100A | 1-V or 5S | Kit#462802K, Power Wire Upgrade  |
| 5.7 | 1973-1988 exc. w/27SI        | 1798H  | 60A | 120A | 40A-100A | 1-V or 5S | Kit# 462802G, Power Wire Upgrade |
| 5.7 | 1989-1995 exc. w/ CS144      | 1629   | 60A | 120A | 105A     | 6S        | None                             |
| 5.7 | 1989-1995 w/ CS144           | 1145   | 80A | 150A | 124A     | 6S        | None                             |
| 5.7 | 1996-1999 w/ CS130D          | 1995   | 60A | 120A | 105A     | 6S        | None                             |
| 5.7 | 1996-1999 w/ CS144           | 2036   | 80A | 150A | 124A     | 6S        | None                             |
| 6   | 2000-2001 w/ Std             | 2320   | 60A | 120A | 105A     | 6S        | None                             |
| 6   | 2000-2001 w/ Opt             | 2419   | 80A | 150A | 130A     | 6S        | None                             |
| 6   | 2002-2009 w/ 2-Pin Regulator | 2555   | 80A | 150A | 145A     | 6S        | None                             |
| 6   | 2002-2009 w/ 4-Pin Regulator | 2419   | 80A | 150A | 130A     | 6S        | None                             |
| 6.2 | 1982-1990 exc. w/ 17SI       | 1895AE | 60A | 120A | 40A-100A | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 6.2 | 1982-1990 exc. w/ 17SI       | 1798H  | 60A | 120A | 40A      | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 6.2 | 1982-1990 w/ 17SI            | 1145   | 80A | 150A | 108A     | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 6.2 | 1991                         | 1895A  | 60A | 120A | 105A     | 1-V       | None                             |
| 6.5 | 1995-1995                    | 1629   | 60A | 120A | 105A     | 6S        | None                             |
| 6.5 | 1996-1998 w/ CS130D          | 1995   | 60A | 120A | 105A     | 6S        | None                             |
| 6.5 | 1996-1998 w/ CS144           | 2036   | 80A | 150A | 124A     | 6S        | None                             |
| 6.6 | 1975-1980 exc. w/ 27SI       | 1895AE | 60A | 120A | 40A-100A | 1-V       | Kit#462802K, Power Wire Upgrade  |
| 6.6 | 1975-1980 exc. w/ 27SI       | 1895AE | 60A | 120A | 40A-100A | 1-V       | Kit# 462802G, Power Wire Upgrade |
| 7.4 | 1973-1989 exc. w/ 27SI       | 1895AE | 60A | 120A | 40A-100A | 1-V or 6S | Kit#462802K, Power Wire Upgrade  |
| 7.4 | 1973-1989 exc. w/ 27SI       | 1798H  | 60A | 120A | 40A-100A | 1-V or 6S | Kit# 462802G, Power Wire Upgrade |
| 7.4 | 1989 w/ CS144                | 1145   | 80A | 150A | 120A     | 6S        | None                             |
| 7.4 | 1990-1993 exc. w/ CS144      | 1895A  | 60A | 120A | 105A     | 6S        | None                             |
| 7.4 | 1994-1995                    | 1629   | 60A | 120A | 105A     | 6S        | None                             |
| 7.4 | 1996-1999 w/ CS130D          | 1995   | 60A | 120A | 105A     | 6S        | None                             |
| 7.4 | 1996-1999 w/ CS144           | 2036   | 80A | 150A | 140A     | 6S        | None                             |
| 8.1 | 2001-2005 w/ Std             | 2320   | 60A | 120A | 105A     | 6S        | None                             |
| 8.1 | 2001-2006 w/ Opt             | 2419   | 80A | 150A | 130A     | 6S        | None                             |

## Starter

| Engine | Year                                            | Part# | Output | Modifications Needed |
|--------|-------------------------------------------------|-------|--------|----------------------|
| 4.1    | 1973-1979 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 4.1    | 1973-1979 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 4.8    | 1973-1979                                       | 1593  | 1.7kW  | None                 |
| 5      | 1973-1987                                       | 1593  | 1.7kW  | None                 |
| 5.3    | 2000-2002                                       | 2211  | 1.5kW  | None                 |
| 5.3    | 2003-2008                                       | 2336  | 1.1kW  | None                 |
| 5.3    | 2009                                            | 6970  | 1.1kW  | None                 |
| 5.7    | 1973-1994                                       | 1593  | 1.7kW  | None                 |
| 5.7    | 1994 w/ 8mm solenoid post                       | 1690  | 1.7kW  | None                 |
| 5.7    | 1995-1997                                       | 1690  | 1.7kW  | None                 |
| 5.7    | 1998                                            | 1796  | 1.7kW  | None                 |
| 5.7    | 1999                                            | 1690  | 1.7kW  | None                 |
| 6      | 2000-2001 w/ equal length mounting ears         | 2095  | 1.7kW  | None                 |
| 6      | 2000-2001 w/ unequal length mounting ears       | 1811  | 1.7kW  | None                 |
| 6      | 2002-2005                                       | 2200  | 1.6kW  | None                 |
| 6      | 2006-2008                                       | 2381  | 1.4kW  | None                 |
| 6      | 2009                                            | 6942  | 1.4kW  | None                 |
| 6.2    | 1982-1983                                       | 8402  | 2.9kW  | None                 |
| 6.2    | 1984-1991 w/ Auto                               | 1580  | 2.9kW  | None                 |
| 6.2    | 1984-1991 w/ Man                                | 8402  | 2.9kW  | None                 |
| 6.5    | 1994-1999 w/ Auto                               | 1580  | 2.9kW  | None                 |
| 6.5    | 1994-1999 w/ Man                                | 8402  | 2.9kW  | None                 |
| 6.6    | 1975-1980                                       | 1593  | 1.7kW  | None                 |
| 7.4    | 1973-1994                                       | 1593  | 1.7kW  | None                 |
| 7.4    | 1994-1999                                       | 1690  | 1.7kW  | None                 |
| 8.1    | 2001                                            | 1690  | 1.7kW  | None                 |



# Tahoe

## Alternator

| Engine | Year                | Part# | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|---------------------|-------|-------------|------------|----------------|--------|----------------------|
| 4.8    | 2000-2004 w/ Std    | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 4.8    | 2000-2004 w/ Opt    | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 4.8    | 2005-2009           | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 5.3    | 2000-2004 w/ Std    | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 5.3    | 2000-2004 w/ Opt    | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 5.3    | 2005-2009           | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 5.7    | 1995 w/ Std         | 1629  | 60A         | 120A       | 105A           | 6S     | None                 |
| 5.7    | 1995 w/ Opt         | 1145  | 80A         | 150A       | 124A           | 6S     | None                 |
| 5.7    | 1996-2000 w/ CS130D | 1995  | 60A         | 120A       | 105A           | 6S     | None                 |
| 5.7    | 1996-2000 w/ CS144  | 2036  | 80A         | 150A       | 140A           | 6S     | None                 |
| 6.5    | 1995                | 1629  | 60A         | 120A       | 105A           | 6S     | None                 |
| 6.5    | 1996-1999 w/ CS130D | 1995  | 60A         | 120A       | 105A           | 6S     | None                 |
| 6.5    | 1996-1999 w/ CS144  | 2036  | 80A         | 150A       | 124A           | 6S     | None                 |

## Starter

| Engine | Year      | Part# | Output | Modifications Needed |
|--------|-----------|-------|--------|----------------------|
| 4.8    | 2000-2001 | 2211  | 1.5kW  | None                 |
| 5.3    | 2000-2001 | 2211  | 1.5kW  | None                 |
| 5.7    | 1995-1997 | 1690  | 1.7kW  | None                 |
| 5.7    | 1998      | 1796  | 1.6kW  | None                 |
| 5.7    | 1999-2000 | 1690  | 1.7kW  | None                 |
| 6.5    | 1995-1999 | 8402  | 2.9kW  | None                 |
| 6.5    | 1995-1999 | 8402  | 2.9kW  | None                 |

# GMC C,K Pickup

## Alternator

| Engine | Year                    | Part#  | Idle Output | Max Output | Factory Output | Pulley     | Modifications Needed             |
|--------|-------------------------|--------|-------------|------------|----------------|------------|----------------------------------|
| 4.1    | 1973-1984 exc. w/HD Opt | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1984 exc. w/HD Opt | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1985-1986               | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802K, Power Wire Upgrade  |
| 4.3    | 1985-1986               | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit# 462802G, Power Wire Upgrade |
| 4.3    | 1988                    | 1629   | 60A         | 120A       | 105A           | 4S or 6S   | None                             |
| 4.8    | 1973-1986 exc. w/27SI   | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 3-V | Kit#462802K, Power Wire Upgrade  |
| 4.8    | 1973-1986 exc. w/27SI   | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 3-V | Kit# 462802G, Power Wire Upgrade |
| 5      | 1973-1986 exc. w/27SI   | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802K, Power Wire Upgrade  |
| 5      | 1973-1986 exc. w/27SI   | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit# 462802G, Power Wire Upgrade |
| 5      | 1988 w/ CS130           | 1629   | 60A         | 120A       | 105A           | 4S or 6S   | None                             |
| 5      | 1988 w/ CS144           | 1145   | 80A         | 150A       | 124A-140A      | 6S         | None                             |
| 5.7    | 1973-1986 exc. w/27SI   | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1986 exc. w/27SI   | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit# 462802G, Power Wire Upgrade |
| 5.7    | 1988 w/ CS130           | 1629   | 60A         | 120A       | 105A           | 4S or 6S   | None                             |
| 5.7    | 1988 w/ CS144           | 1145   | 80A         | 150A       | 124A-140A      | 4S or 6S   | None                             |
| 6.2    | 1982-1986 exc. w/17SI   | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 6.2    | 1982-1986 exc. w/17SI   | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 6.2    | 1988                    | 1629   | 60A         | 120A       | 105A           | 6S         | None                             |
| 6.6    | 1976-1980 exc. w/27SI   | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 6.6    | 1976-1980 exc. w/27SI   | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 7.4    | 1973-1986 exc. w/27SI   | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 7.4    | 1973-1986 exc. w/27SI   | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 7.4    | 1988 w/ CS130           | 1894A  | 60A         | 120A       | 105A           | 6S         | None                             |

## Starter

| Engine | Year                  | Part# | Output | Modifications Needed |
|--------|-----------------------|-------|--------|----------------------|
| 4.3    | 1985-1986             | 1593  | 1.7kW  | None                 |
| 4.3    | 1988                  | 1474  | 1.4kW  | None                 |
| 4.8    | 1973-1986             | 1593  | 1.7kW  | None                 |
| 5      | 1973                  | 1590  | 1.7kW  | None                 |
| 5      | 1976-1988             | 1593  | 1.7kW  | None                 |
| 5.7    | 1973-1988 exc. Diesel | 1593  | 1.7kW  | None                 |
| 6.2    | 1982-1983             | 8402  | 2.9kW  | None                 |
| 6.2    | 1984-1988 w/Auto      | 1580  | 2.9kW  | None                 |

|     |                 |      |       |      |
|-----|-----------------|------|-------|------|
| 6.2 | 1984-1988 w/Man | 8402 | 2.9kW | None |
| 6.6 | 1975-1980       | 1593 | 1.7kW | None |
| 7.4 | 1973-1988       | 1593 | 1.7kW | None |

## Sierra

### Alternator

| Engine | Year                         | Part# | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|------------------------------|-------|-------------|------------|----------------|--------|----------------------|
| 4.3    | 1989-1995                    | 1629  | 60A         | 120A       | 105A           | 6S     | None                 |
| 4.3    | 1999-2004 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 4.3    | 1999-2004 w/ Opt             | 2419  | 80A         | 150A       | 145A           | 6S     | None                 |
| 4.3    | 2005-2009                    | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 4.8    | 2000-2004 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 4.8    | 2000-2004 w/ Opt             | 2419  | 80A         | 150A       | 145A           | 6S     | None                 |
| 4.8    | 2005-2009                    | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 5      | 1989-1995 w/ CS130           | 1629  | 60A         | 120A       | 105A           | 6S     | None                 |
| 5      | 1989-1995 w/ CS144           | 1145  | 80A         | 150A       | 124A           | 6S     | None                 |
| 5      | 1996-1999 w/ Std             | 1995  | 60A         | 120A       | 105A           | 6S     | None                 |
| 5      | 1996-1999 w/ Opt             | 2036  | 80A         | 150A       | 124A-140A      | 6S     | None                 |
| 5.3    | 1999-2004 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 5.3    | 1999-2004 w/ Opt             | 2419  | 80A         | 150A       | 145A           | 6S     | None                 |
| 5.3    | 2005-2009                    | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 6      | 1999-2005 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 6      | 1999-2005 w/ Opt             | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 6      | 2006-2007 w/ 2-Pin Regulator | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 6      | 2006-2007 w/ 4-Pin Regulator | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 6.6    | 2001-2005 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 6.6    | 2001-2005 w/ Opt             | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 6.6    | 2006-2009                    | 2556  | 80A         | 150A       | 145A           | 6S     | None                 |
| 8.1    | 2001-2005 w/ Std             | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 8.1    | 2001-2005 w/ Opt             | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 8.1    | 2006-2009                    | 2556  | 80A         | 150A       | 145A           | 6S     | None                 |

### Starter

| Engine | Year                                      | Part#  | Output | Modifications Needed |
|--------|-------------------------------------------|--------|--------|----------------------|
| 4.3    | 1989                                      | 1474   | 1.4kW  | None                 |
| 4.3    | 1990-1998                                 | 1593   | 1.7kW  | None                 |
| 4.3    | 1999-2004                                 | 2112   | 1.5kW  | None                 |
| 4.3    | 2005-2008                                 | 2579   | 1.2kW  | None                 |
| 4.3    | 2009                                      | 3138   | 1.2kW  | None                 |
| 4.8    | 1999-2002                                 | 2211   | 1.5kW  | None                 |
| 4.8    | 2003-2008                                 | 2336   | 1.1kW  | None                 |
| 4.8    | 2009                                      | 6970   | 1.1kW  | None                 |
| 5      | 1989-1998                                 | 1593   | 1.7kW  | None                 |
| 5.3    | 1999-2002                                 | 2211   | 1.5kW  | None                 |
| 5.3    | 2003-2008                                 | 2336   | 1.1kW  | None                 |
| 5.3    | 2009                                      | 6970   | 1.1kW  | None                 |
| 6      | 1999                                      | 1690   | 1.7k   | None                 |
| 6      | 2000-2001 w/ equal length mounting ears   | 2095   | 1.7kW  | None                 |
| 6      | 2000-2001 w/ unequal length mounting ears | 1811   | 1.7kW  | None                 |
| 6      | 2002-2005                                 | 2200   | 1.6kW  | None                 |
| 6      | 2006-2008                                 | 2381   | 1.4kW  | None                 |
| 6      | 2009                                      | 6942   | 1.4kW  | None                 |
| 6.2    | 1989-1993 w/ Man                          | 8402   | 2.9kW  | None                 |
| 6.2    | 1989-1993 w/ Auto                         | 1580   | 2.9kW  | None                 |
| 6.5    | 1993-1994 w/ Man                          | 8402   | 2.9kW  | None                 |
| 6.5    | 1993-1994 w/ Auto                         | 1580   | 2.9kW  | None                 |
| 6.5    | 1995-2002                                 | 8402   | 2.9kW  | None                 |
| 6.6    | 2001-2009                                 | 2320HI | 2.2kW  | None                 |
| 8.1    | 2001                                      | 1690   | 1.7kW  | None                 |

# GMC Suburban

## Alternator

| Engine | Year                    | Part#  | Idle Output | Max Output | Factory Output | Pulley     | Modifications Needed             |
|--------|-------------------------|--------|-------------|------------|----------------|------------|----------------------------------|
| 4.1    | 1973-1979               | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 4.1    | 1973-1979               | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 4.8    | 1973-1979               | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802K, Power Wire Upgrade  |
| 4.8    | 1973-1979               | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit# 462802G, Power Wire Upgrade |
| 5      | 1973-1987 exc. w/27SI   | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802K, Power Wire Upgrade  |
| 5      | 1973-1987 exc. w/27SI   | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit# 462802G, Power Wire Upgrade |
| 5.7    | 1973-1988 exc. w/27SI   | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit#462802K, Power Wire Upgrade  |
| 5.7    | 1973-1988 exc. w/27SI   | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 5S  | Kit# 462802G, Power Wire Upgrade |
| 5.7    | 1989-1995 exc. w/ CS144 | 1629   | 60A         | 120A       | 105A           | 6S         | None                             |
| 5.7    | 1989-1995 w/ CS144      | 1145   | 80A         | 150A       | 124A           | 6S         | None                             |
| 5.7    | 1996-1999 w/ CS130D     | 1995   | 60A         | 120A       | 105A           | 6S         | None                             |
| 5.7    | 1996-1999 w/ CS144      | 2036   | 80A         | 150A       | 124A           | 6S         | None                             |
| 6.2    | 1982-1990 exc. w/ 17SI  | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 6.2    | 1982-1990 exc. w/ 17SI  | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 6.2    | 1982-1990 w/ 17SI       | 1145   | 80A         | 150A       | 108A           | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 6.2    | 1991                    | 1895A  | 60A         | 120A       | 105A           | 1-V        | None                             |
| 6.5    | 1995-1995               | 1629   | 60A         | 120A       | 105A           | 6S         | None                             |
| 6.5    | 1996-1998 w/ CS130D     | 1995   | 60A         | 120A       | 105A           | 6S         | None                             |
| 6.5    | 1996-1998 w/ CS144      | 2036   | 80A         | 150A       | 124A           | 6S         | None                             |
| 6.6    | 1975-1980 exc. w/ 27SI  | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 6.6    | 1975-1980 exc. w/ 27SI  | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 7.4    | 1973-1989 exc. w/ 27SI  | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit#462802K, Power Wire Upgrade  |
| 7.4    | 1973-1989 exc. w/ 27SI  | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit# 462802G, Power Wire Upgrade |
| 7.4    | 1989 w/ CS144           | 1145   | 80A         | 150A       | 120A           | 6S         | None                             |
| 7.4    | 1990-1993 exc. w/ CS144 | 1895A  | 60A         | 120A       | 105A           | 6S         | None                             |
| 7.4    | 1994-1995               | 1629   | 60A         | 120A       | 105A           | 6S         | None                             |
| 7.4    | 1996-1999 w/ CS130D     | 1995   | 60A         | 120A       | 105A           | 6S         | None                             |
| 7.4    | 1996-1999 w/ CS144      | 2036   | 80A         | 150A       | 140A           | 6S         | None                             |

## Starter

| Engine | Year                                            | Part# | Output | Modifications Needed |
|--------|-------------------------------------------------|-------|--------|----------------------|
| 4.1    | 1973-1979 w/168 tooth flywheel, staggered mount | 1593  | 1.7kW  | None                 |
| 4.1    | 1973-1979 w/153 tooth flywheel, straight mount  | 1590  | 1.7kW  | None                 |
| 4.8    | 1973-1979                                       | 1593  | 1.7kW  | None                 |
| 5      | 1973-1987                                       | 1593  | 1.7kW  | None                 |
| 5.7    | 1973-1994                                       | 1593  | 1.7kW  | None                 |
| 5.7    | 1994 w/ 8mm solenoid post                       | 1690  | 1.7kW  | None                 |
| 5.7    | 1995-1997                                       | 1690  | 1.7kW  | None                 |
| 5.7    | 1998                                            | 1796  | 1.7kW  | None                 |
| 5.7    | 1999                                            | 1690  | 1.7kW  | None                 |
| 6.2    | 1982-1983                                       | 8402  | 2.9kW  | None                 |
| 6.2    | 1984-1991 w/ Auto                               | 1580  | 2.9kW  | None                 |
| 6.2    | 1984-1991 w/ Man                                | 8402  | 2.9kW  | None                 |
| 6.5    | 1994-1999 w/ Auto                               | 1580  | 2.9kW  | None                 |
| 6.5    | 1994-1999 w/ Man                                | 8402  | 2.9kW  | None                 |
| 6.6    | 1975-1980                                       | 1593  | 1.7kW  | None                 |
| 7.4    | 1973-1994                                       | 1593  | 1.7kW  | None                 |
| 7.4    | 1994-1999                                       | 1690  | 1.7kW  | None                 |

# Yukon

## Alternator

| Engine | Year             | Part# | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|------------------|-------|-------------|------------|----------------|--------|----------------------|
| 4.8    | 2000-2004 w/ Std | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 4.8    | 2000-2004 w/ Opt | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 4.8    | 2005-2009        | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 5.3    | 2000-2004 w/ Std | 2320  | 60A         | 120A       | 105A           | 6S     | None                 |
| 5.3    | 2000-2004 w/ Opt | 2419  | 80A         | 150A       | 130A           | 6S     | None                 |
| 5.3    | 2005-2009        | 2555  | 80A         | 150A       | 145A           | 6S     | None                 |
| 5.7    | 1992-1995 w/ Std | 1629  | 60A         | 120A       | 105A           | 6S     | None                 |

|     |                        |      |     |      |      |    |      |
|-----|------------------------|------|-----|------|------|----|------|
| 5.7 | 1992-1995 w/ Opt       | 1145 | 80A | 150A | 124A | 6S | None |
| 5.7 | 1996-2000 w/ CS130D    | 1995 | 60A | 120A | 105A | 6S | None |
| 5.7 | 1996-2000 w/ CS144     | 2036 | 80A | 150A | 140A | 6S | None |
| 6   | 2001-2005 w/ Std 4 Pin | 2320 | 60A | 120A | 105A | 6S | None |
| 6   | 2001-2005 w/ Opt 4 Pin | 2419 | 80A | 150A | 130A | 6S | None |
| 6   | 2005-2009 w/ 2 Pin     | 2555 | 80A | 150A | 145A | 6S | None |
| 6.2 | 2007-2009              | 2555 | 80A | 150A | 145A | 6S | None |
| 6.5 | 1994-1995              | 1629 | 60A | 120A | 105A | 6S | None |
| 6.5 | 1996-1999 w/ CS130D    | 1995 | 60A | 120A | 105A | 6S | None |
| 6.5 | 1996-1999 w/ CS144     | 2036 | 80A | 150A | 124A | 6S | None |

## Starter

| Engine | Year                                 | Part# | Output | Modifications Needed |
|--------|--------------------------------------|-------|--------|----------------------|
| 4.8    | 2000-2001                            | 2211  | 1.5kW  | None                 |
| 5.3    | 2000-2001                            | 2211  | 1.5kW  | None                 |
| 5.7    | 1994-1997                            | 1690  | 1.7kW  | None                 |
| 5.7    | 1998                                 | 1796  | 1.6kW  | None                 |
| 5.7    | 1999-2000                            | 1690  | 1.7kW  | None                 |
| 6      | 2001 w/ Equal Length Mounting Ears   | 2095  | 1.7kW  | None                 |
| 6      | 2001 w/ Unequal Length Mounting Ears | 1811  | 1.7kW  | None                 |
| 6      | 2002-2005                            | 2200  | 1.6kW  | None                 |
| 6      | 2006-2008                            | 2381  | 1.4kW  | None                 |
| 6      | 2009                                 | 6942  | 1.4kW  | None                 |
| 6.2    | 2007-2008                            | 2381  | 1.4kW  | None                 |
| 6.2    | 2009                                 | 6942  | 1.4kW  | None                 |
| 6.5    | 1994-1999                            | 8402  | 2.9kW  | None                 |
| 6.5    | 1994-1999                            | 8402  | 2.9kW  | None                 |



# Cherokee

## Alternator

| Engine | Year                  | Part#  | Idle Output | Max Output | Factory Output | Pulley     | Modifications Needed             |
|--------|-----------------------|--------|-------------|------------|----------------|------------|----------------------------------|
| 2.5    | 1984-1986             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit#462802K, Power Wire Upgrade  |
| 2.5    | 1984-1986             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit# 462802G, Power Wire Upgrade |
| 2.5    | 1987-1990             | 8137   | 60A         | 120A       | 105A           | 6S         | None                             |
| 2.5    | 1991-1998             | 1511   | 60A         | 120A       | 90A            | 6S         | None                             |
| 2.5    | 1999-2000             | 2224   | 60A         | 120A       | 117A           | 6S         | None                             |
| 2.8    | 1984-1986             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 2.8    | 1984-1986             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 4      | 1987-1990             | 1766   | 60A         | 120A       | 105A           | 6S         | None                             |
| 4      | 1991-1998             | 1511   | 60A         | 120A       | 90A            | 6S         | None                             |
| 4      | 1999-2000             | 2224   | 60A         | 120A       | 117A           | 6S         | None                             |
| 4      | 2001                  | 2388   | 60A         | 120A       | 117A           | 6S         | None                             |
| 4.2    | 1975-1983 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit#462802K, Power Wire Upgrade  |
| 4.2    | 1975-1983 exc. w/15SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit# 462802G, Power Wire Upgrade |
| 4.2    | 1975-1983 w/15SI      | 1145   | 80A         | 150A       | 70A            | 1-V or 6S  | Kit#462802K, Power Wire Upgrade  |
| 5.9    | 1976-1977             | 1614E  | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802B, Power Wire Upgrade  |
| 5.9    | 1978-1983 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802K, Power Wire Upgrade  |
| 5.9    | 1978-1983 exc. w/15SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit# 462802G, Power Wire Upgrade |
| 5.9    | 1978-1983 w/15SI      | 1145   | 80A         | 150A       | 70A            | 2-V        | Kit#462802K, Power Wire Upgrade  |
| 6.6    | 1976-1977             | 1614E  | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802B, Power Wire Upgrade  |
| 6.6    | 1978                  | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802B, Power Wire Upgrade  |
| 6.6    | 1978                  | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |

## Starter

| Engine | Year          | Part# | Output | Modifications Needed |
|--------|---------------|-------|--------|----------------------|
| 2.5    | 1986-1993     | 1231  | 1.4kW  | None                 |
| 2.5    | 1994 w/ Mitsu | 1782  | 1.4kW  | None                 |
| 2.5    | 1994 w/ Bosch | 1231  | 1.4kW  | None                 |
| 2.5    | 1995-1998     | 1782  | 1.4kW  | None                 |
| 2.5    | 1999-2000     | 2213  | .7kW   | None                 |
| 2.8    | 1984-1986     | 1593  | 1.7kW  | None                 |
| 4      | 1987-1998     | 1232  | 1.7kW  | None                 |
| 4      | 1999-2001     | 1966  | .7kW   | None                 |
| 4.2    | 1974-1983     | 1687  | .7kW   | None                 |
| 5.9    | 1974-1983     | 1687  | .7kW   | None                 |
| 6.6    | 1974-1978     | 1687  | .7kW   | None                 |

# CJ Series

## Alternator

| Engine | Year                  | Part#  | Idle Output | Max Output | Factory Output | Pulley     | Modifications Needed             |
|--------|-----------------------|--------|-------------|------------|----------------|------------|----------------------------------|
| 2.5    | 1980-1986             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit#462802K, Power Wire Upgrade  |
| 2.5    | 1980-1986             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit# 462802G, Power Wire Upgrade |
| 3.8    | 1975-1978             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade  |
| 3.8    | 1975-1978             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V        | Kit# 462802G, Power Wire Upgrade |
| 4.2    | 1975-1986 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit#462802K, Power Wire Upgrade  |
| 4.2    | 1975-1986 exc. w/15SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit# 462802G, Power Wire Upgrade |
| 4.2    | 1975-1986 w/15SI      | 1145   | 80A         | 150A       | 70A            | 1-V or 6S  | Kit#462802K, Power Wire Upgrade  |
| 5      | 1976-1977             | 1614E  | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802B, Power Wire Upgrade  |
| 5      | 1978-1981             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802K, Power Wire Upgrade  |
| 5      | 1978-1981             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit# 462802G, Power Wire Upgrade |

## Starter

| Engine | Year      | Part# | Output | Modifications Needed |
|--------|-----------|-------|--------|----------------------|
| 2.5    | 1980-1982 | 1590  | 1.7kW  | None                 |
| 3.8    | 1975-1978 | 1687  | .7kW   | None                 |
| 4.2    | 1975-1986 | 1687  | .7kW   | None                 |
| 5      | 1976-1981 | 1687  | .7kW   | None                 |

# Comanche

## Alternator

| Engine | Year               | Part#  | Idle Output | Max Output | Factory Output | Pulley    | Modifications Needed             |
|--------|--------------------|--------|-------------|------------|----------------|-----------|----------------------------------|
| 2.5    | 1986               | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S | Kit#462802K, Power Wire Upgrade  |
| 2.5    | 1986               | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 6S | Kit# 462802G, Power Wire Upgrade |
| 2.8    | 1986               | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S | Kit#462802K, Power Wire Upgrade  |
| 4      | 1987-1990 w/ CS130 | 1766   | 60A         | 120A       | 105A           | 6S        | None                             |

## Starter

| Engine | Year               | Part# | Output | Modifications Needed |
|--------|--------------------|-------|--------|----------------------|
| 2.5    | 1986-1987 w/ Bosch | 1231  | 1.4kW  | None                 |
| 2.5    | 1988-1992          | 1231  | 1.4kW  | None                 |
| 2.8    | 1986               | 1593  | 1.7kW  | None                 |
| 4      | 1987-1992          | 1232  | 1.4kW  | None                 |

# Grand Cherokee

## Alternator

| Engine | Year              | Part#  | Idle Output | Max Output | Factory Output | Pulley | Modifications Needed |
|--------|-------------------|--------|-------------|------------|----------------|--------|----------------------|
| 4      | 1999-2001         | 2422   | 80A         | 160A       | 132A           | 6S     | None                 |
| 4      | 2002-2004 w/Bosch | 2422BO | 80A         | 160A       | 132A           | 6S     | None                 |
| 4      | 2002-2004 w/Denso | 2422   | 80A         | 160A       | 132A           | 6S     | None                 |
| 3.7    | 2005-2006         | 2541   | 80A         | 160A       | 160A           | 6S     | None                 |
| 3.7    | 2007-1009         | 2854   | 80A         | 160A       | 160A           | 6S     | None                 |
| 4.7    | 1999-2000         | 2286   | 80A         | 160A       | 136A           | 6S     | None                 |
| 4.7    | 2001-2004         | 2541   | 80A         | 160A       | 136A           | 6S     | None                 |
| 4.7    | 2005-2006         | 2541   | 80A         | 160A       | 160A           | 6S     | None                 |
| 4.7    | 2007-2009         | 2854   | 80A         | 160A       | 160A           | 6S     | None                 |

## Starter

| Engine | Year      | Part# | Output | Modifications Needed |
|--------|-----------|-------|--------|----------------------|
| 3.7    | 2005-2009 | 2661  | 1.2kW  | None                 |
| 4      | 1992-1998 | 1232  | 1.4kW  | None                 |
| 4      | 1999-2002 | 1966  | 1.4kW  | None                 |
| 4      | 2003-2004 | 2651  | 1.2kW  | None                 |
| 4.7    | 1999-2002 | 2003  | 1.4kW  | None                 |
| 4.7    | 2003-2004 | 2720  | 1.2kW  | None                 |
| 4.7    | 2005-2008 | 2392  | 1.2kW  | None                 |
| 5.2    | 1993-1998 | 1547  | 1.4kW  | None                 |
| 5.9    | 1998      | 1547  | 1.4kW  | None                 |

# Grand Wagoneer

## Alternator

| Engine | Year                  | Part#  | Idle Output | Max Output | Factory Output | Pulley    | Modifications Needed             |
|--------|-----------------------|--------|-------------|------------|----------------|-----------|----------------------------------|
| 4.2    | 1984-1986             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S | Kit#462802K, Power Wire Upgrade  |
| 4.2    | 1984-1986             | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 6S | Kit# 462802G, Power Wire Upgrade |
| 5.9    | 1984-1991 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 2-V       | Kit#462802K, Power Wire Upgrade  |
| 5.9    | 1984-1991 exc. w/15SI | 1798H  | 60A         | 120A       | 40A-100A       | 2-V       | Kit# 462802G, Power Wire Upgrade |
| 5.9    | 1984-1991 w/15SI      | 1145   | 80A         | 150A       | 70A            | 2-V       | Kit#462802K, Power Wire Upgrade  |

## Starter

| Engine | Year      | Part# | Output | Modifications Needed |
|--------|-----------|-------|--------|----------------------|
| 4.2    | 1984-1986 | 1687  | .7kW   | None                 |
| 5.9    | 1974-1987 | 1687  | .7kW   | None                 |
| 6.6    | 1974-1975 | 1687  | .7kW   | None                 |

# J Series Pickup

## Alternator

| Engine | Year                  | Part#  | Idle Output | Max Output | Factory Output | Pulley     | Modifications Needed             |
|--------|-----------------------|--------|-------------|------------|----------------|------------|----------------------------------|
| 4.2    | 1975-1987 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit#462802K, Power Wire Upgrade  |
| 4.2    | 1975-1987 exc. w/15SI | 1798H  | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit# 462802G, Power Wire Upgrade |
| 4.2    | 1975-1987 w/15SI      | 1145   | 80A         | 150A       | 40A-100A       | 1-V or 6S  | Kit#462802K, Power Wire Upgrade  |
| 5.9    | 1976-1977             | 1614E  | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802B, Power Wire Upgrade  |
| 5.9    | 1978-1987 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802K, Power Wire Upgrade  |
| 5.9    | 1978-1987 w/15SI      | 1145   | 80A         | 150A       | 70A            | 1-V or 2-V | Kit#462802K, Power Wire Upgrade  |

|     |           |        |     |      |          |            |                                 |
|-----|-----------|--------|-----|------|----------|------------|---------------------------------|
| 6.6 | 1976-1977 | 1614E  | 60A | 120A | 40A-100A | 1-V or 2-V | Kit#462802B, Power Wire Upgrade |
| 6.6 | 1978      | 1895AE | 60A | 120A | 40A-100A | 1-V        | Kit#462802K, Power Wire Upgrade |

### Starter

| Engine | Year      | Part# | Output | Modifications Needed |
|--------|-----------|-------|--------|----------------------|
| 4.2    | 1975-1987 | 1687  | .7kW   | None                 |
| 5.9    | 1976-1987 | 1687  | .7kW   | None                 |
| 6.6    | 1976-1978 | 1687  | .7kW   | None                 |

## Wagoneer

### Alternator

| Engine | Year                  | Part#  | Idle Output | Max Output | Factory Output | Pulley     | Modifications Needed            |
|--------|-----------------------|--------|-------------|------------|----------------|------------|---------------------------------|
| 2.5    | 1984-1986             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit#462802K, Power Wire Upgrade |
| 2.8    | 1984-1986             | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit#462802K, Power Wire Upgrade |
| 4      | 1987-1990 w/ CS130    | 1766   | 60A         | 120A       | 105A           | 6S         | None                            |
| 4.2    | 1980-1983 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S  | Kit#462802K, Power Wire Upgrade |
| 4.2    | 1980-1983 w/15SI      | 1145   | 80A         | 150A       | 70A            | 1-V or 6S  | Kit#462802K, Power Wire Upgrade |
| 5.9    | 1976-1977             | 1614E  | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802B, Power Wire Upgrade |
| 5.9    | 1978-1983 exc. w/15SI | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802K, Power Wire Upgrade |
| 5.9    | 1978-1983 w/15SI      | 1145   | 80A         | 150A       | 70A            | 1-V or 2-V | Kit#462802K, Power Wire Upgrade |
| 6.6    | 1976-1977             | 1614E  | 60A         | 120A       | 40A-100A       | 1-V or 2-V | Kit#462802B, Power Wire Upgrade |
| 6.6    | 1978                  | 1895AE | 60A         | 120A       | 40A-100A       | 1-V        | Kit#462802K, Power Wire Upgrade |

### Starter

| Engine | Year      | Part# | Output | Modifications Needed |
|--------|-----------|-------|--------|----------------------|
| 2.5    | 1986-1990 | 1231  | 1.4kW  | None                 |
| 2.8    | 1984-1986 | 1593  | 1.7kW  | None                 |
| 4      | 1987-1990 | 1232  | 1.7kW  | None                 |
| 4.2    | 1980-1983 | 1687  | .7kW   | None                 |
| 5.9    | 1976-1983 | 1687  | .7kW   | None                 |
| 6.6    | 1976-1978 | 1687  | .7kW   | None                 |

## Wrangler

### Alternator

| Engine | Year      | Part#  | Idle Output | Max Output | Factory Output | Pulley    | Modifications Needed            |
|--------|-----------|--------|-------------|------------|----------------|-----------|---------------------------------|
| 2.5    | 1987-1990 | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S | Kit#462802K, Power Wire Upgrade |
| 2.5    | 1991-1998 | 1511   | 60A         | 120A       | 90A            | 6S        | None                            |
| 3.8    | 2007-2009 | 1295   | 80A         | 160A       | 160A           | 6S        | None                            |
| 4      | 1991-1998 | 1511   | 60A         | 120A       | 90A            | 6S        | None                            |
| 4      | 1999      | 2224   | 60A         | 120A       | 117A           | 6S        | None                            |
| 4      | 2000-2006 | 2422   | 80A         | 160A       | 75A-117A       | 6S        | None                            |
| 4.2    | 1987-1990 | 1895AE | 60A         | 120A       | 40A-100A       | 1-V or 6S | Kit#462802K, Power Wire Upgrade |

### Starter

| Engine | Year               | Part# | Output | Modifications Needed |
|--------|--------------------|-------|--------|----------------------|
| 2.5    | 1987-1994          | 1231  | 1.4kW  | None                 |
| 2.5    | 1994-1998 w/ Mitsu | 1782  | 1.4kW  | None                 |
| 2.5    | 1999-2000          | 2213  | 1.4kW  | None                 |
| 2.5    | 2001 w/ Man        | 2053  | 1.4kW  | None                 |
| 2.5    | 2001 w/ Auto       | 2213  | 1.4kW  | None                 |
| 3.8    | 2007-2009          | 3045  | 1.2kW  | None                 |
| 4      | 1991-1998          | 1232  | 1.7kW  | None                 |
| 4      | 1999-2001          | 1966  | 1.7kW  | None                 |
| 4.2    | 1987               | 1687  | .7kW   | None                 |
| 4.2    | 1988-1990          | 1232  | 1.7kW  | None                 |

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