

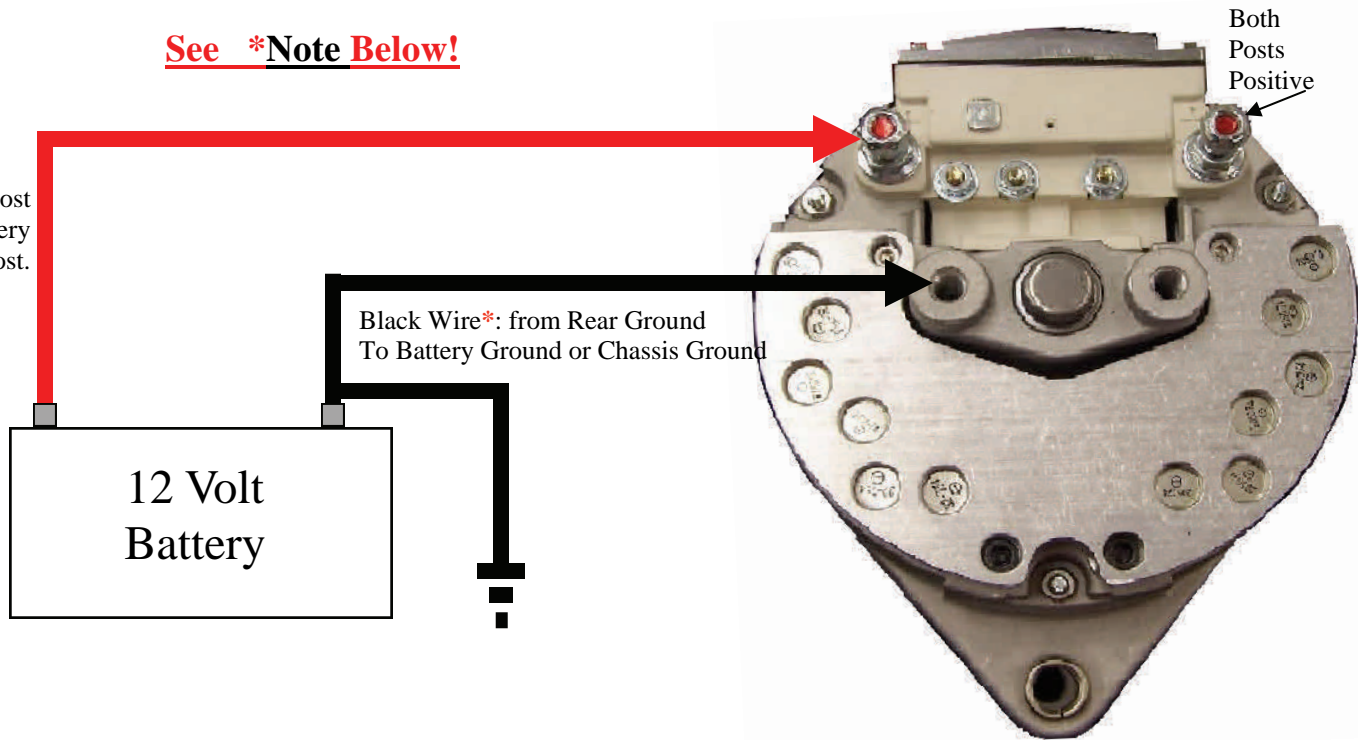
Alternator Models: **KJ200SI /KJ250SI /KJ270SI**

## Self-Excite Alternators

**See \*Note Below!**

Red Wire\*: from Rear Positive Post to Battery Positive Post.

Current follows the path of least resistance. If proper wiring is used, then the RPM output capability of the alternator will be available for the electrical load of the vehicle. The opposite is also true. Improper wiring will cause battery depletion, premature alternator issues, including the possibility of Failure.



Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A

**Tech Support**  
**1.214.630.3820**  
**After Hours**  
**1.214.796.6617**  
**1.817.994.3719**

K.E.I. Installation Instructions	
Part # KJ Series Above	Date: 24 Feb 2014
Style: Internally Regulated 12 Volt Alt. Self-Excite	
Drawn By: DBA	Approved By: MAL

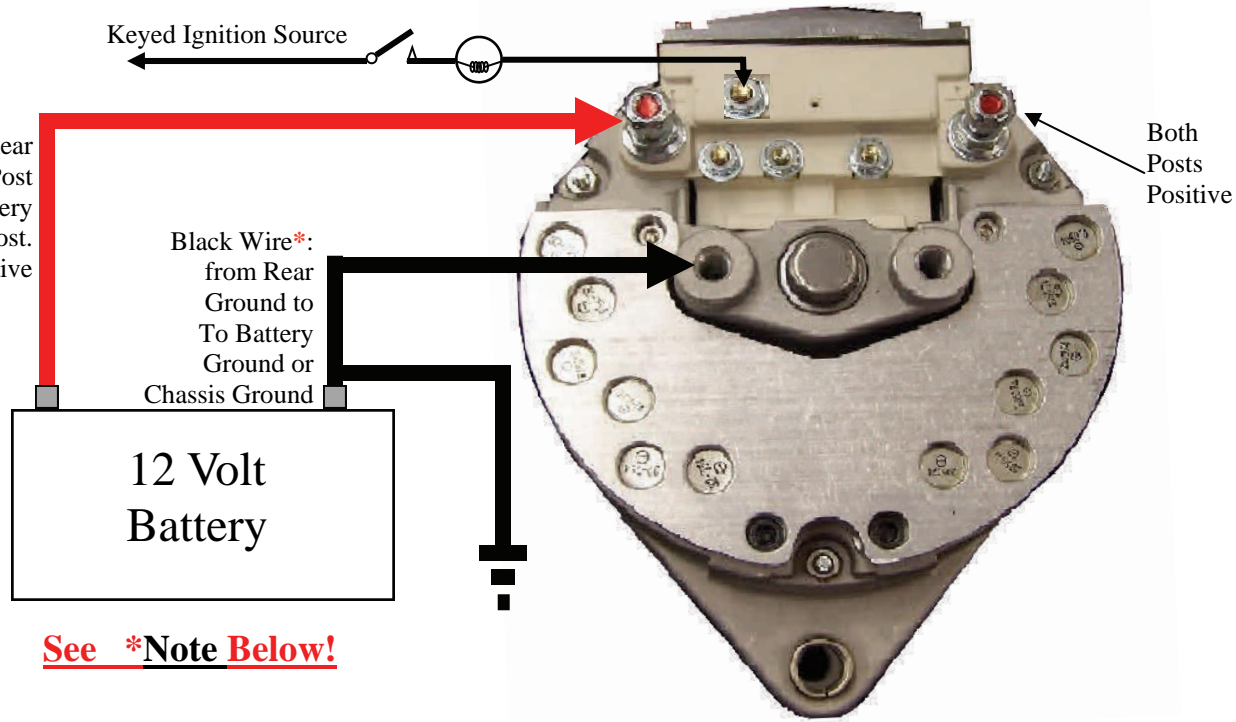
**\*Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.

Alternator Models: **KJ200SII /KJ250SII /KJ270SII**

## Ignition-Excite Alternators

Red Wire\*: from Rear  
Positive Post  
to Battery  
Positive Post.  
Note: Either Positive

Current follows the path of  
least resistance. If proper  
wiring is used, then the  
RPM output capability of  
the alternator  
will be available for the  
electrical load of the  
vehicle. The opposite is also  
true. Improper wiring will  
cause battery depletion,  
premature alternator issues,  
including the possibility of  
Failure.



**See \*Note Below!**

Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A

**Tech Support**  
**1.214.630.3820**  
**After Hours**  
**1.214.796.6617**  
**1.817.994.3719**

K.E.I. Installation Instructions	
Part # KJ Series Above	Date: 24 Feb 2014
Style: Internally Regulated 12 Volt Alt. Ignition-Excite	
Drawn By: DBA	Approved By: MAL

**\*Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.

Alternator Models: **KJ200SIIRS /KJ250SIIRS /KJ270SIIRS**

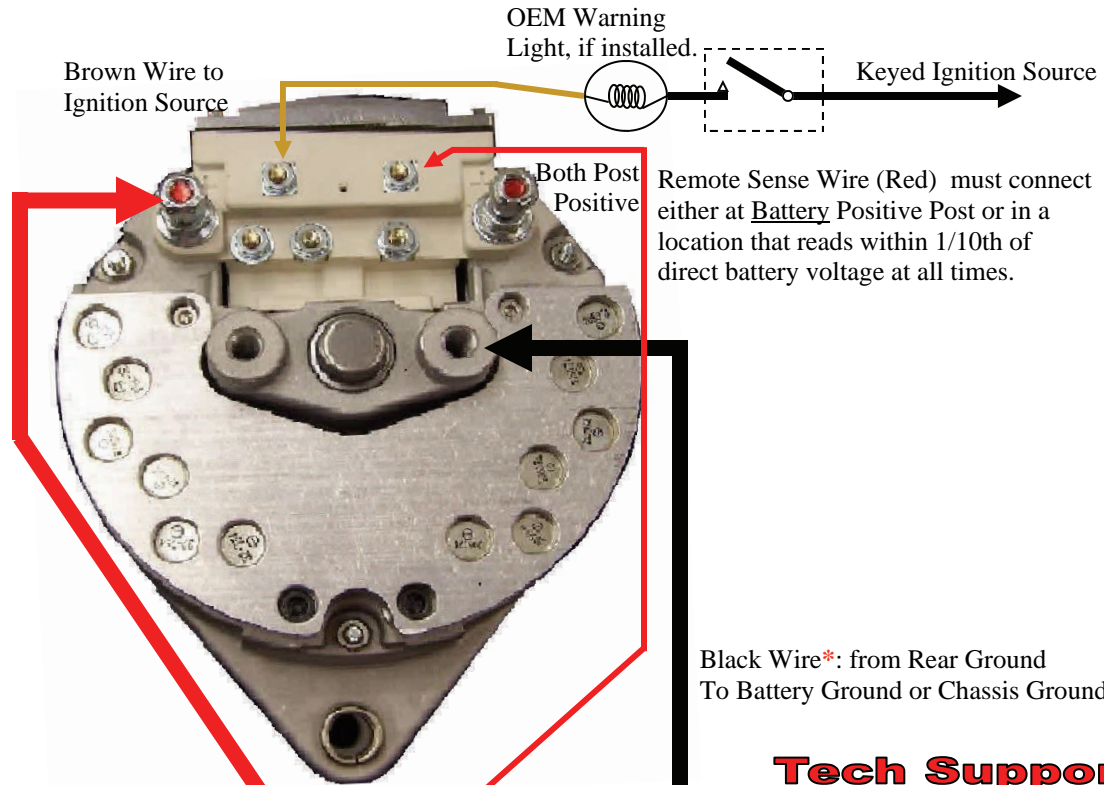
**Ignition-Excite  
w/Remote Sense  
Alternators**

Red Wire\*: from Rear Positive Post  
To Battery Positive Post.

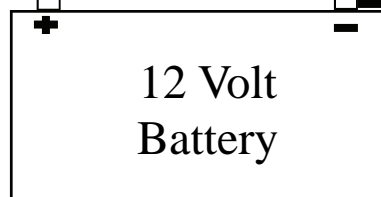
**Note: Both Posts are Positive**

Current follows the path of least resistance. If proper wiring is used, then the RPM output capability of the alternator will be available for the electrical load of the vehicle. The opposite is also true. Improper wiring will cause battery depletion, premature alternator issues, including the possibility of Failure.

**See \*Note Below!**



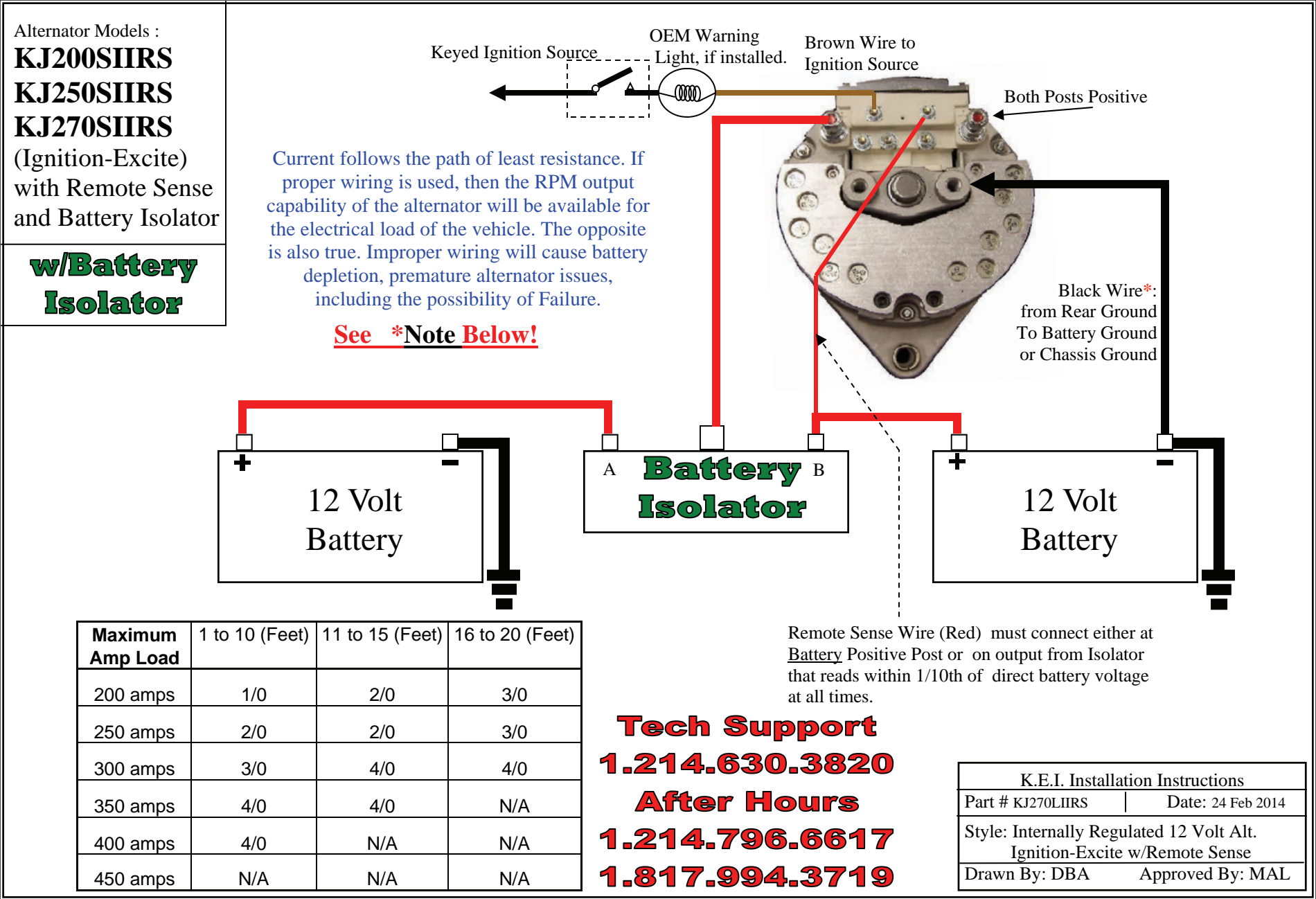
Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A



**Tech Support**  
**1.214.630.3820**  
**After Hours**  
**1.214.796.6617**  
**1.817.994.3719**

K.E.I. Installation Instructions	
Part # KJ Series Above	Date:24 Feb2014Style:
Internally Regulated 12 Volt Alt.	
Ignition-Excite w/Remote Sense	
Drawn By: DBA	Approved By: MAL

**\*Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



**\*Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



Alternator Models : **KJ200SE / KJ250SE / KJ270SE**

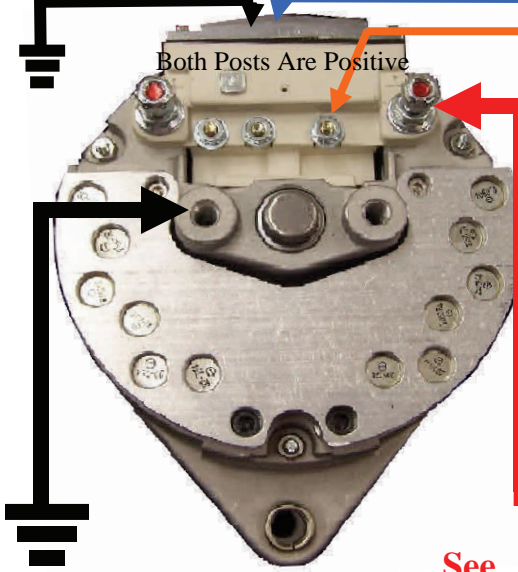
**Externally Regulated**

Black Wire: From Field Terminal (-) to Chassis ground

Blue Wire: To Field Positive Terminal On Top of Alternator

OEM Warning Light, if installed

Keyed Ignition Source



Brown Wire: To 12 Volt Keyed Ignition Source

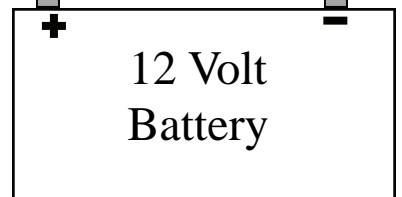
Red Wire: To Battery Positive Post or Alternator Positive Post

3 Foot Wiring Loom  
Black Wire: To Field Ground On top of Alternator

**K195**  
External Regulator

Black Wire\*: To Battery Ground or Chassis Ground

**See \*Note Below!**



Current follows the path of least resistance. If proper wiring is used, then the RPM output capability of the alternator will be available for the electrical load of the vehicle. The opposite is also true. Improper wiring will cause battery depletion, premature alternator issues, including the possibility of Failure.

Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A

**Tech Support**  
**1.214.630.3820**  
**After Hours**  
**1.214.796.6617**  
**1.817.994.3719**

K.E.I. Installation Instructions	
Part # KJ Series Above	Date: 24 Feb 2014
Style: Externally Regulated 12 Volt Alt. Regulator # K195	
Drawn By: DBA	Approved By: MAL

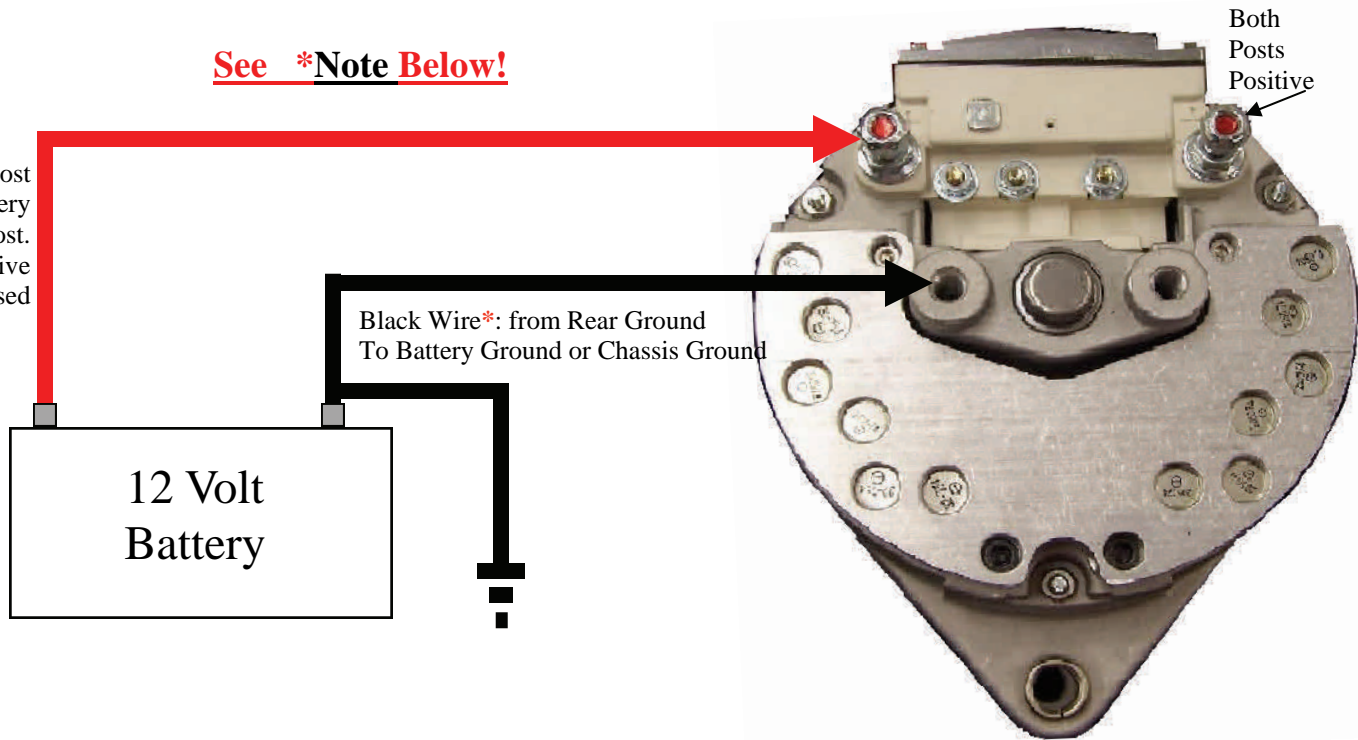
**\*Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.

Alternator Models: **KJ200LI /KJ250LI /KJ270LI /KJ290LI /KJ340LI**

## Self-Excite Alternators

Red Wire\*: from Rear Positive Post to Battery Positive Post.  
Note: Either Positive Post can be used

Current follows the path of least resistance. If proper wiring is used, then the RPM output capability of the alternator will be available for the electrical load of the vehicle. The opposite is also true. Improper wiring will cause battery depletion, premature alternator issues, including the possibility of Failure.



Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A

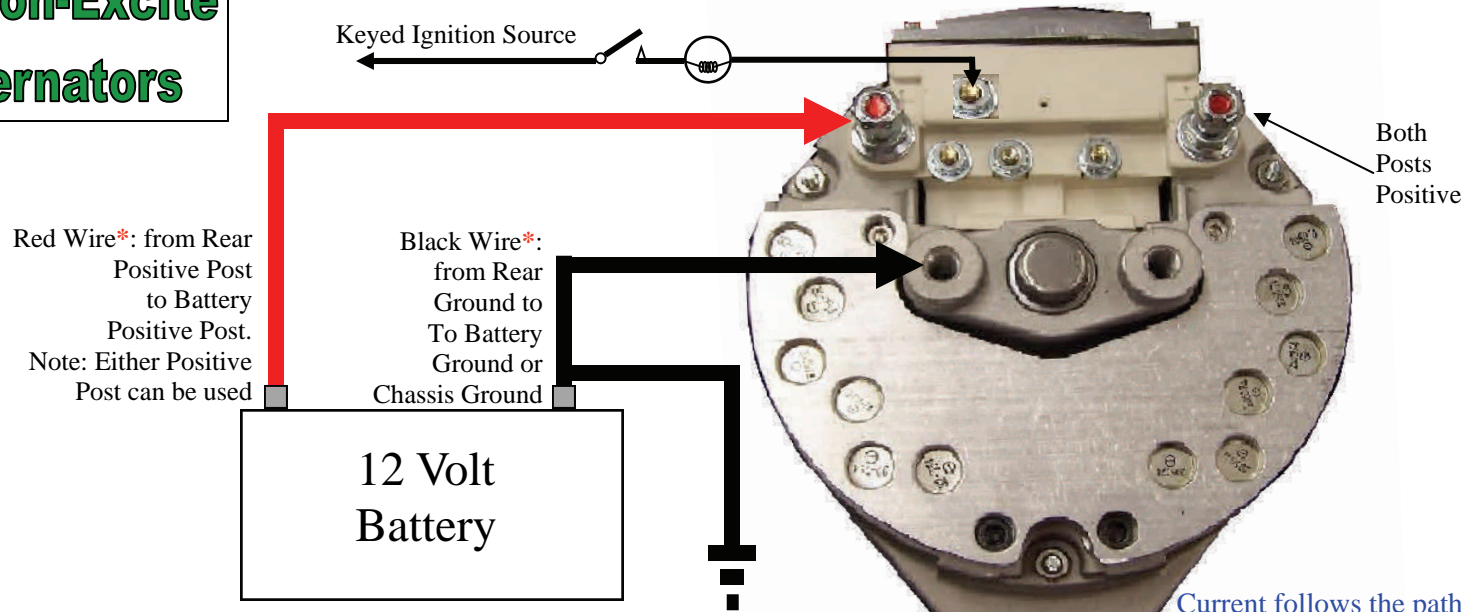
**Tech Support**  
**1.214.630.3820**  
**After Hours**  
**1.214.796.6617**  
**1.817.994.3719**

K.E.I. Installation Instructions	
Part # KJ Series Above	Date: 24 Feb 2014
Style: Internally Regulated 12 Volt Alt. Self-Excite	
Drawn By: DBA	Approved By: MAL

**\*Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.

Alternator Models: **KJ200LII /KJ250LII /KJ270LII /KJ290LII /KJ340LII**

## Ignition-Excite Alternators



**See \*Note Below!**

Current follows the path of least resistance. If proper wiring is used, then the RPM output capability of the alternator will be available for the electrical load of the vehicle. The opposite is also true. Improper wiring will cause battery depletion, premature alternator issues, including the possibility of Failure.

Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A

**Tech Support**  
**1.214.630.3820**  
**After Hours**  
**1.214.796.6617**  
**1.817.994.3719**

K.E.I. Installation Instructions	
Part # KJ Series Above	Date: 24 Feb 2014
Style: Internally Regulated 12 Volt Alt. Ignition-Excite	
Drawn By: DBA	Approved By: MAL

**\*Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.

Alternator Models: **KJ200LIIRS /KJ250LIIRS /KJ270LIIRS /KJ290LIIRS /KJ340LIIRS**

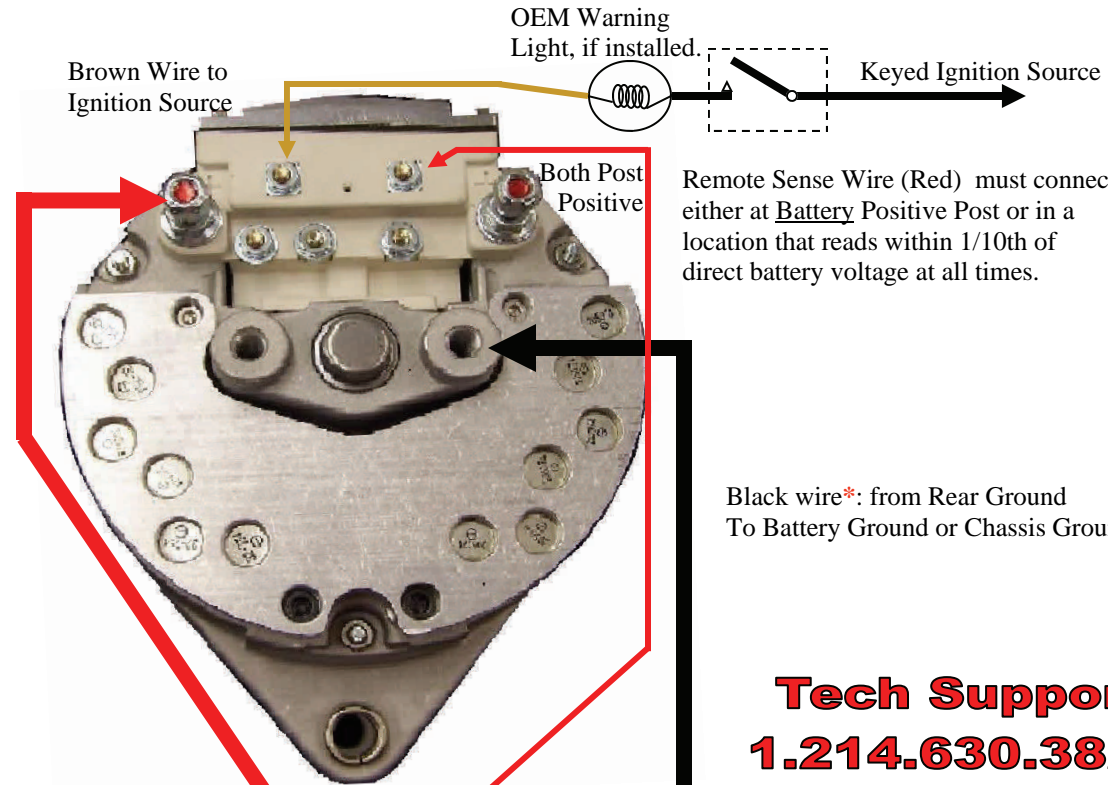
**Ignition-Excite  
w/Remote Sense  
Alternators**

**See \*Note Below!**

Red Wire\*: from Rear Positive Post  
To Battery Positive Post.

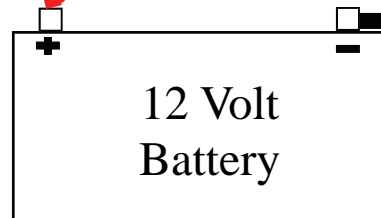
**Note: Both Posts  
are Positive**

Current follows the path of least resistance. If proper wiring is used, then the RPM output capability of the alternator will be available for the electrical load of the vehicle. The opposite is also true. Improper wiring will cause battery depletion, premature alternator issues, including the possibility of Failure.



**Tech Support  
1.214.630.3820  
After Hours  
1.214.796.6617  
1.817.994.3719**

Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A



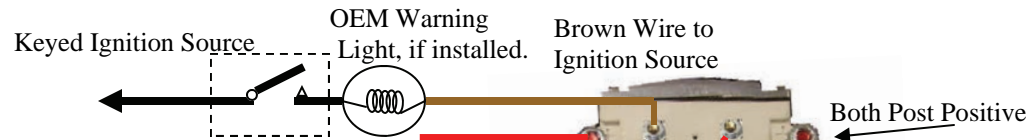
K.E.I. Installation Instructions	
Part # KJ Series Above	Date: 24 Feb 2014
Style: Internally Regulated 12 Volt Alt. Ignition-Excite w/Remote Sense	
Drawn By: DBA	Approved By: MAL

\***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



Alternator Models :  
**KJ200LIIRS**  
**KJ250LIIRS**  
**KJ270LIIRS**  
**KJ290LIIRS**  
**KJ340LIIRS**  
 (Ignition-Excite)  
 with Remote Sense  
 and Battery Isolator

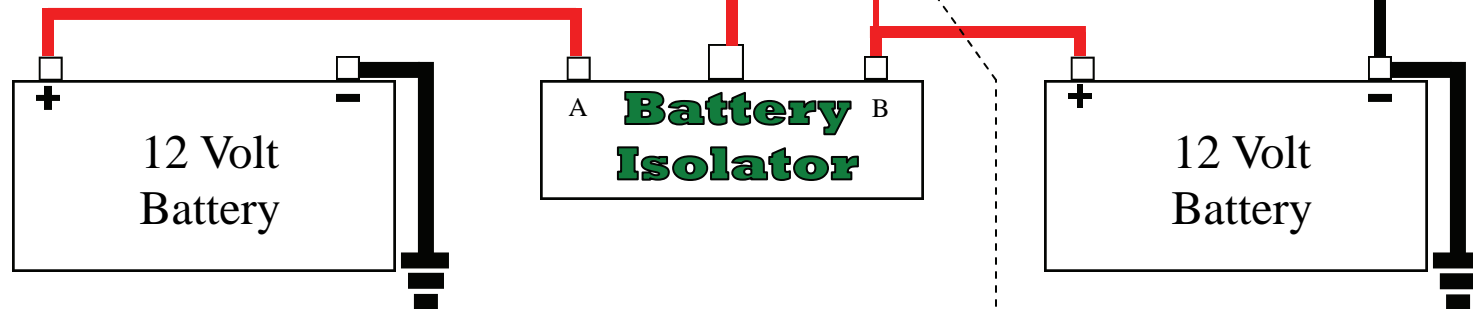
**w/Battery Isolator**



Current follows the path of least resistance. If proper wiring is used, then the RPM output capability of the alternator will be available for the electrical load of the vehicle. The opposite is also true. Improper wiring will cause battery depletion, premature alternator issues, including the possibility of Failure.

**See \*Note Below!**

Black Wire\*:  
 from Rear Ground  
 To Battery Ground  
 or Chassis Ground



Remote Sense Wire (Red) must connect either at Battery Positive Post or on output from Isolator that reads within 1/10th of direct battery voltage at all times.

Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A

**Tech Support**  
**1.214.630.3820**  
**After Hours**  
**1.214.796.6617**  
**1.817.994.3719**

K.E.I. Installation Instructions	
Part # KJ270LII RS	Date: 24 Feb 2014
Style: Internally Regulated 12 Volt Alt. Ignition-Excite w/Remote Sense	
Drawn By: DBA	Approved By: MAL

**\*Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.

Alternator Models : **KJ200LE / KJ250LE / KJ270LE / KJ290LE / KJ340LE**

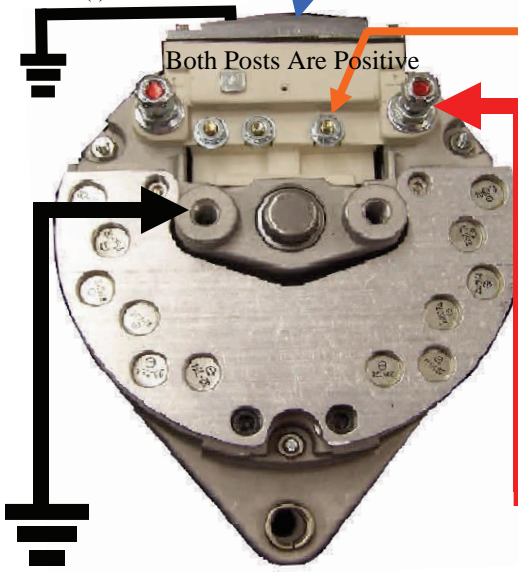
**Externally Regulated**

Black Wire: From Field Terminal (-) to Chassis

Blue Wire: To Field Terminal (+) On Top of Alternator

OEM Warning Light, if installed

Keyed Ignition Source



Orange Wire: Stator Terminal on Alternator

Brown Wire: To 12 Volt Keyed Ignition Source

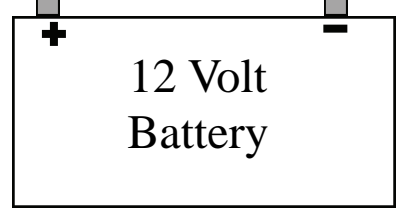
Red Wire: To Battery Positive Post or Alternator Positive Post

3 Foot Wiring Loom  
Black Wire: To Battery Ground or Alternator Ground

**K195**  
External Regulator

Black Wire\*: To Battery Ground or Chassis Ground

**See \*Note Below!**



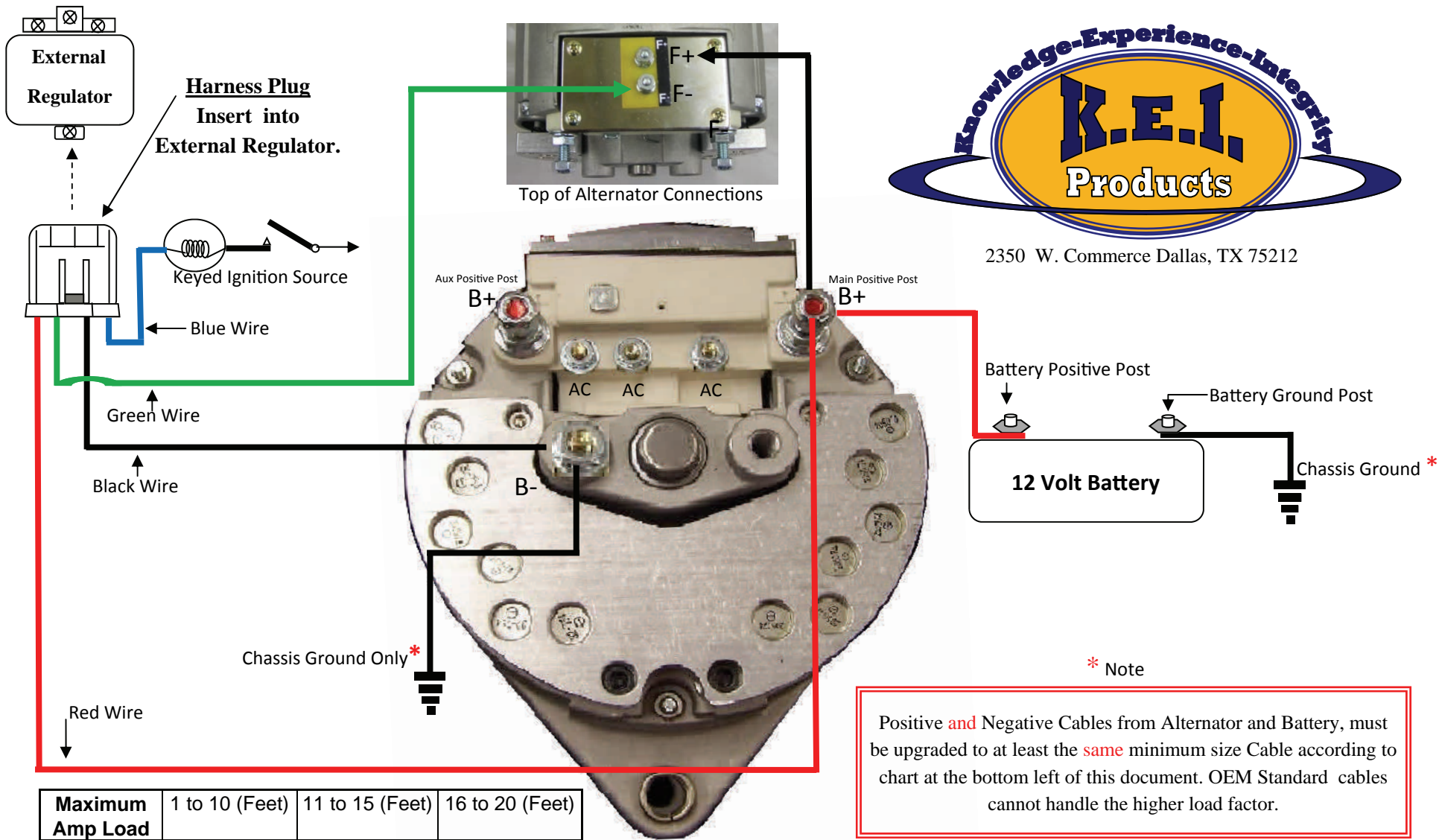
Current follows the path of least resistance. If proper wiring is used, then the RPM output capability of the alternator will be available for the electrical load of the vehicle. The opposite is also true. Improper wiring will cause battery depletion, premature alternator issues, including the possibility of Failure.

Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A

**Tech Support**  
**1.214.630.3820**  
**After Hours**  
**1.214.796.6617**  
**1.817.994.3719**

K.E.I. Installation Instructions	
Part # KJ Series Above	Date: 19 Feb 2014
Style: Externally Regulated 12 Volt Alt. Regulator # K195	
Drawn By: DBA	Approved By: MAL

**\*Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A

**K.E.I. Installation Instructions**

Part# KJ-LEA Series	Date: 16 Sept 2013
Style: 12 Volt / Externally Regulated / A-Circuit	

**Tech Support**  
**1.214.630.3820**  
**After Hours**  
**1.214.796.6617**  
**1.817.994.3719**

**\*Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least the "same" minimum size Cable, according to chart on this document.