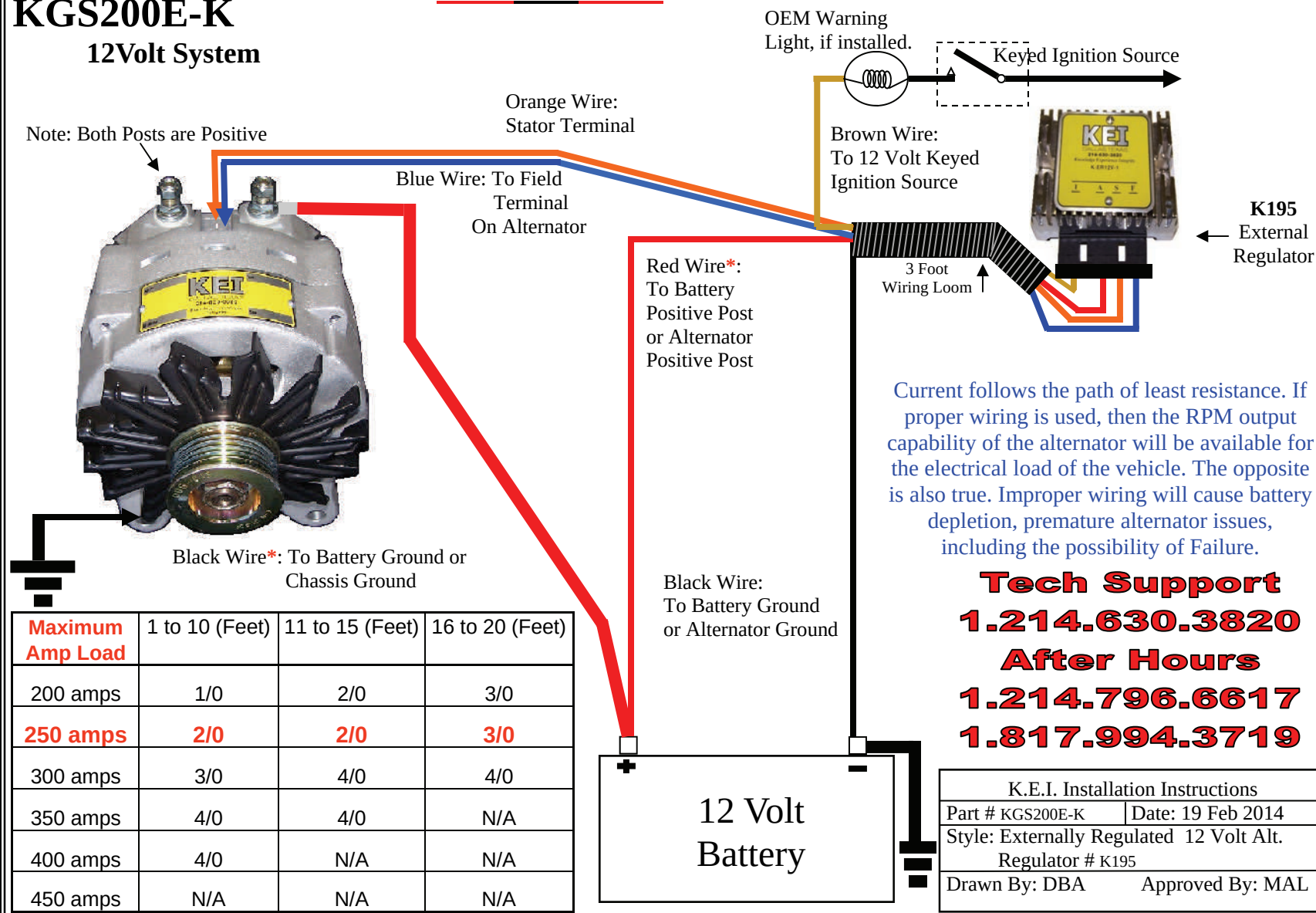
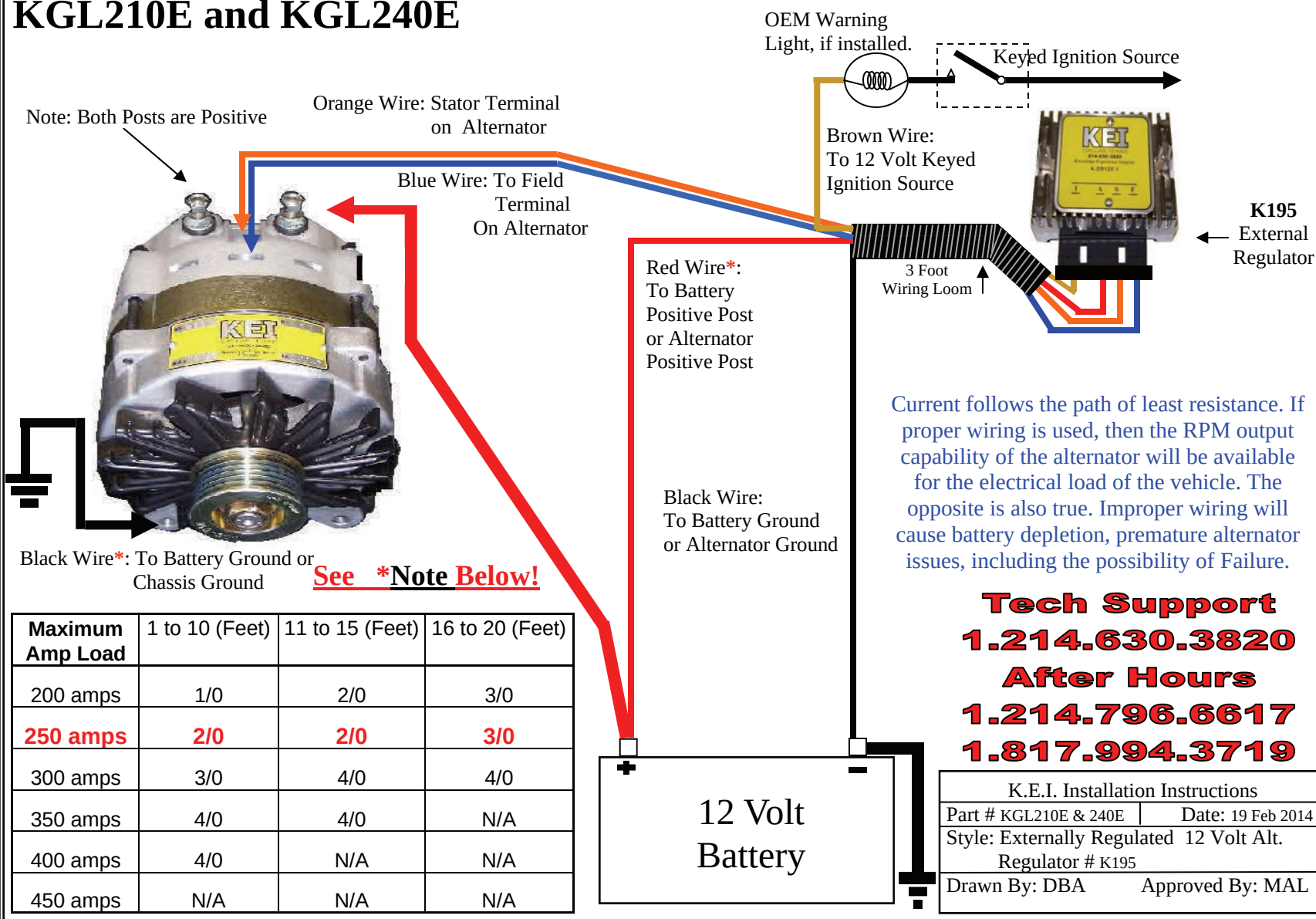


Alternator Models :

KGS200E-K
12Volt System**See *Note Below!**

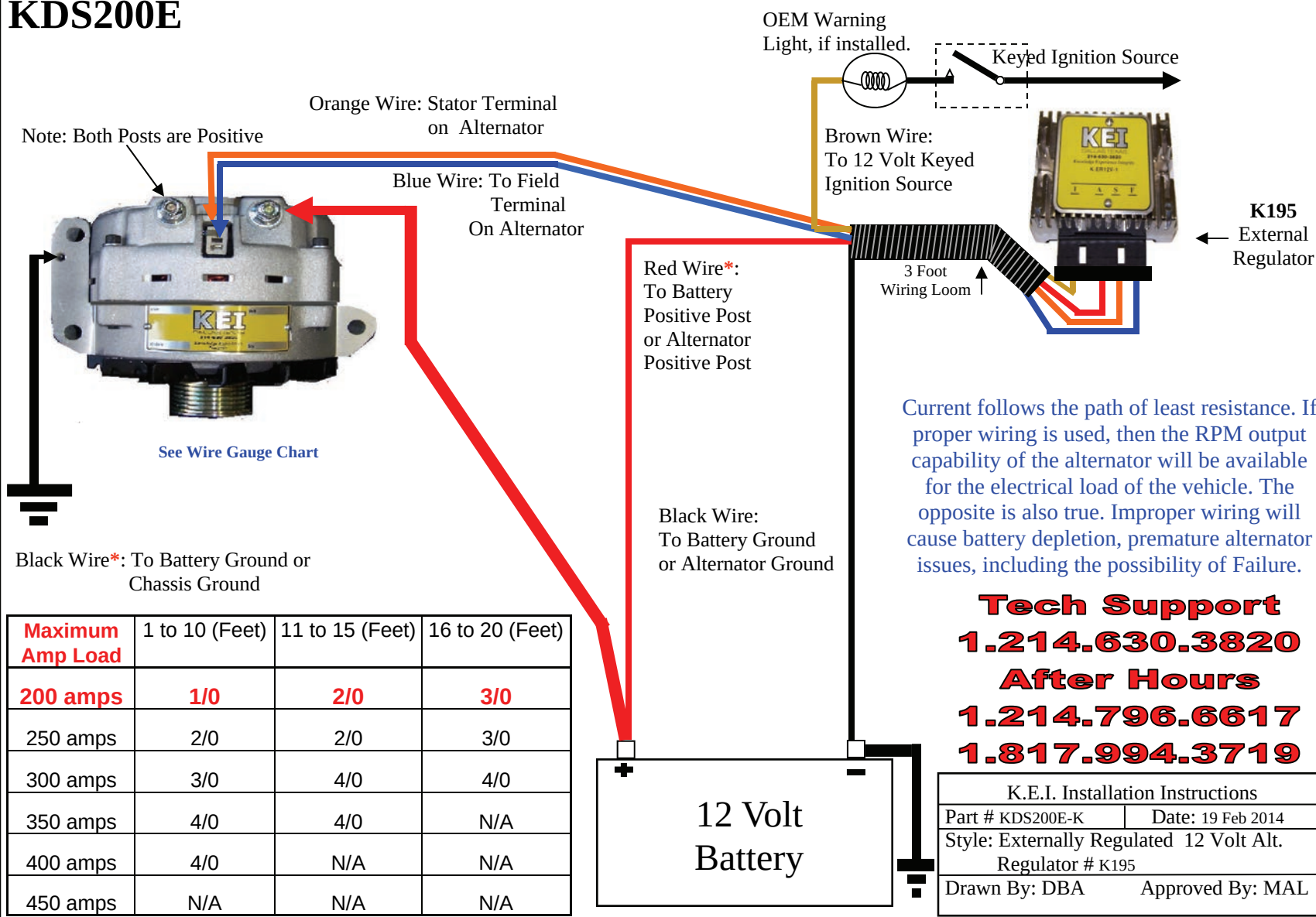
***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.

Alternator Models :

KGL210E and KGL240E

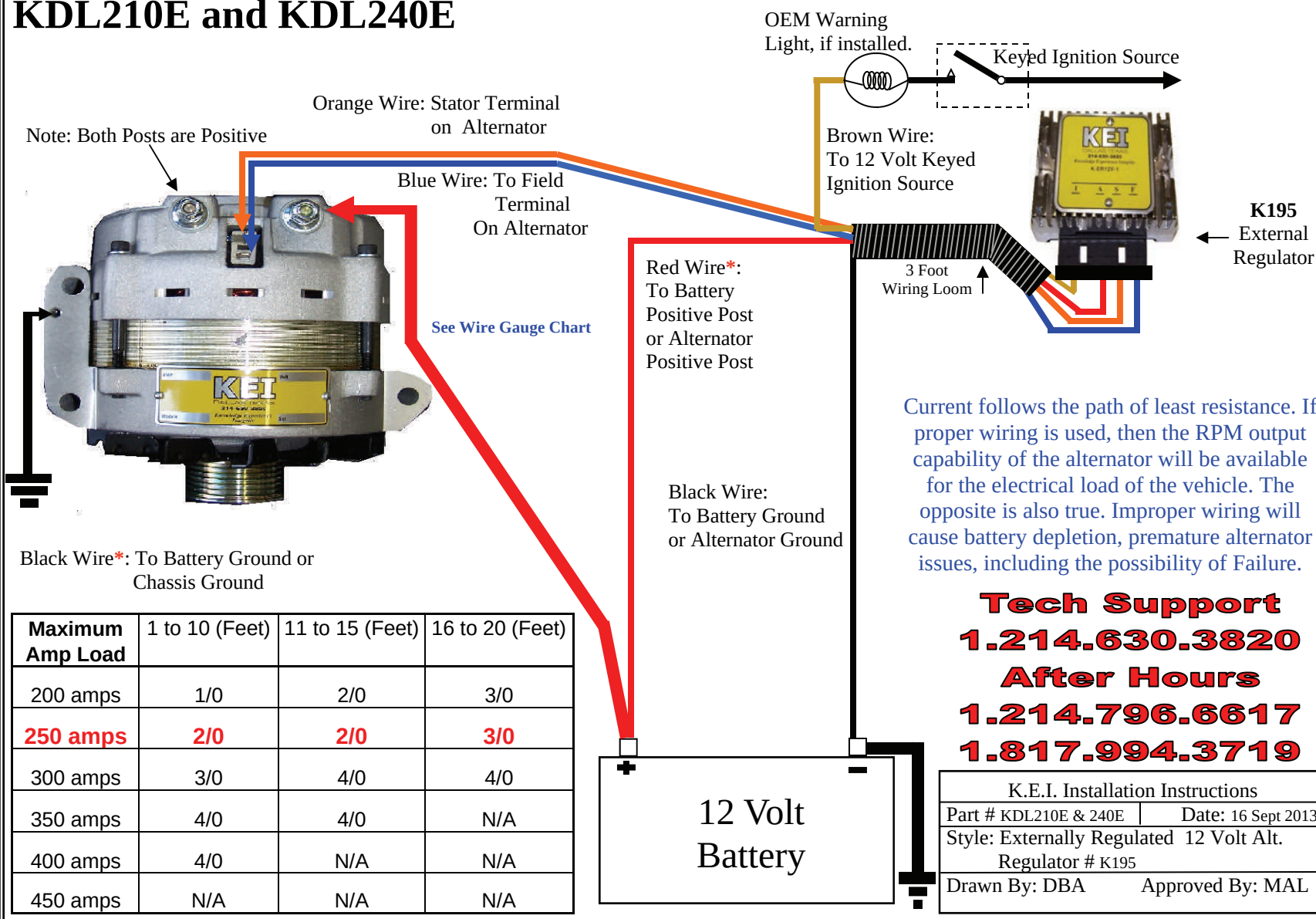
***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.

Alternator Models :

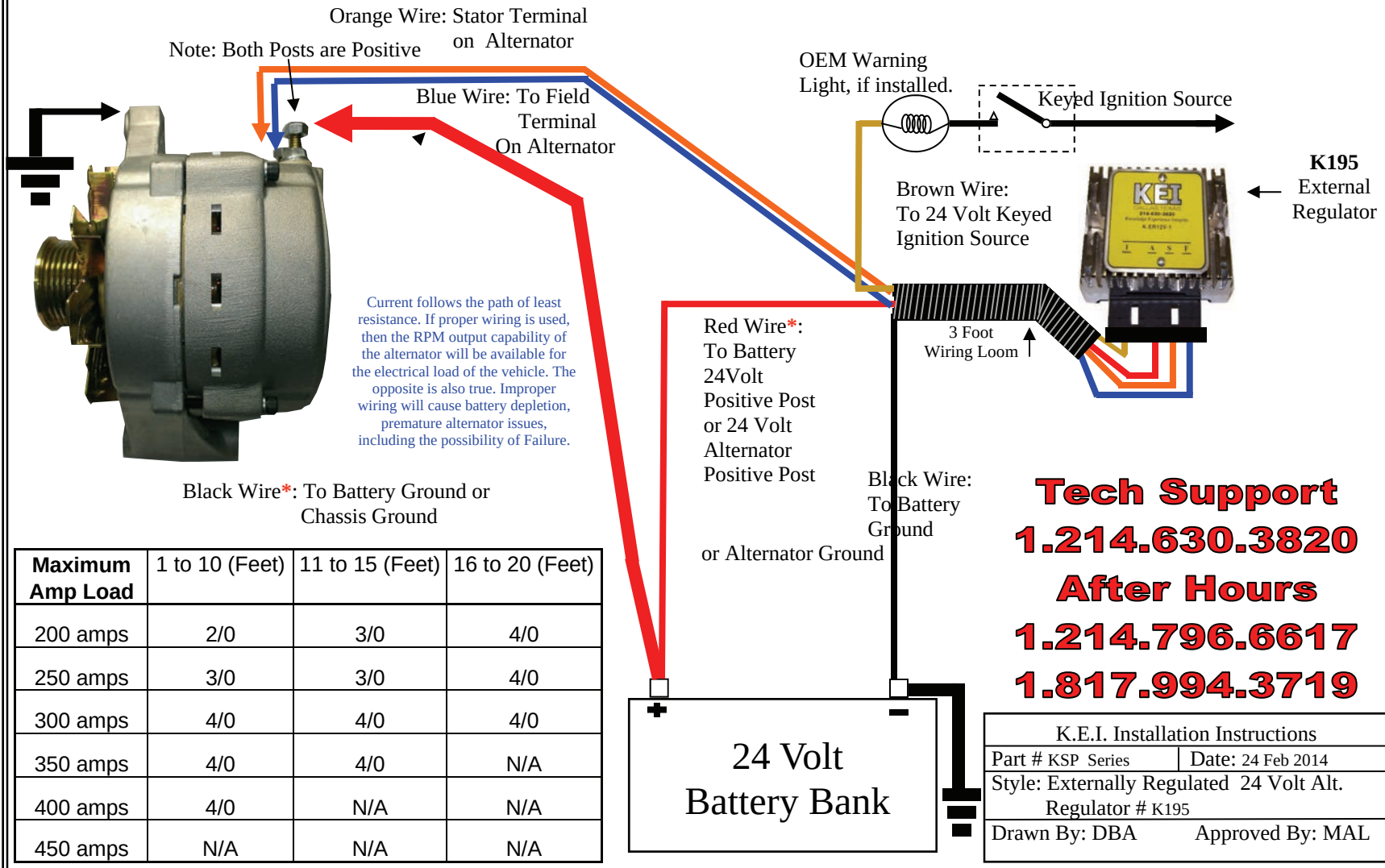
KDS200E

***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 :

KDL210E and KDL240E

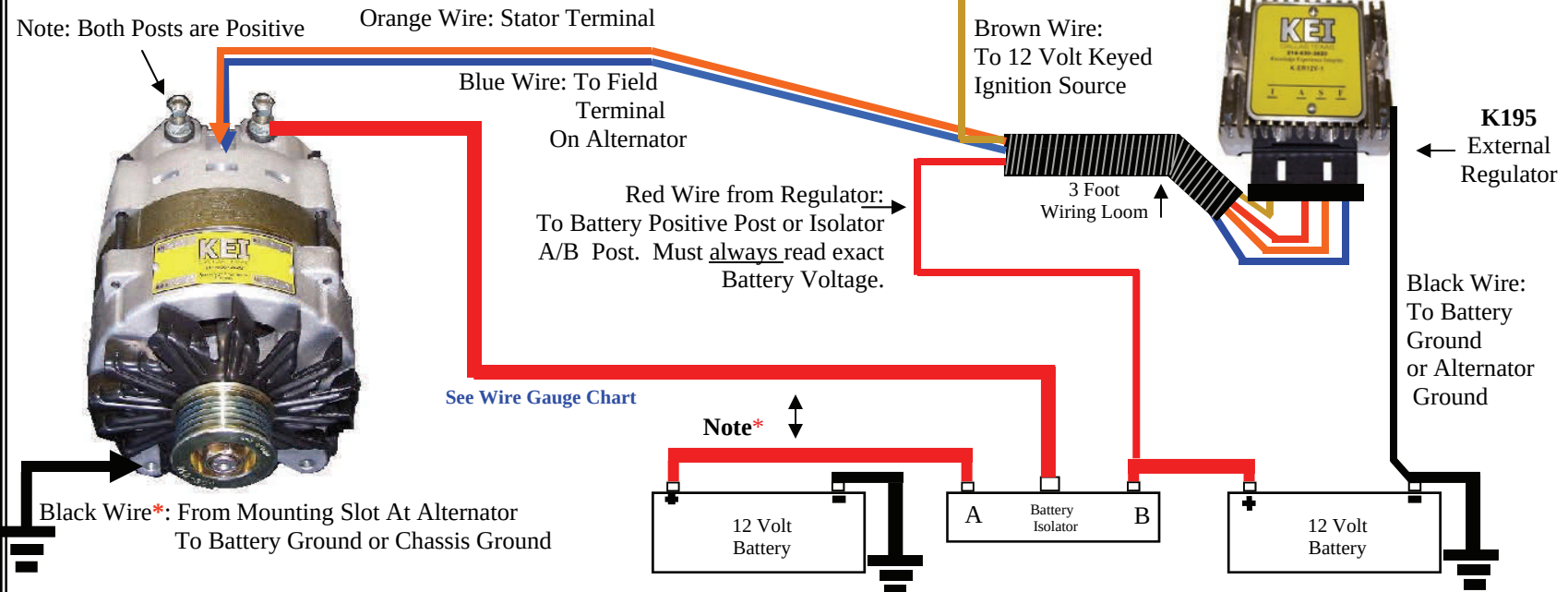
***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.

Alternator Models : **KSP200E2 / KSP200E3** (SHORT CASE)**KSP210E2 / KSP210E3 / KSP240E2 / KSP240E3** (LONG CASE)

***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 :

External Regulation with Remote Sense And Battery Isolator



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

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

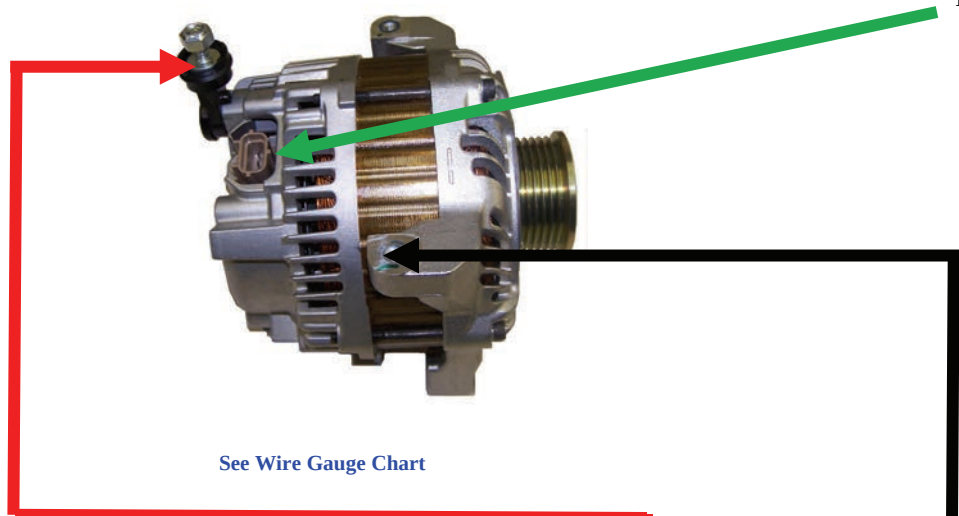
1.214.796.6617

1.817.994.3719

K.E.I. Installation Instructions	
Part #	Date: 24 Feb 2014
Style: Externally Regulation with Battery Isolator	
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 :

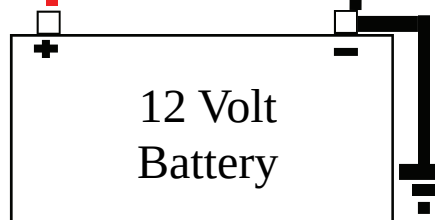
KGF240I & KGF240I-1**Direct Ford / OEM Replacement Alternators****See *Note Below!**Reconnect original OEM Electrical Plug
Here

See Wire Gauge Chart

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

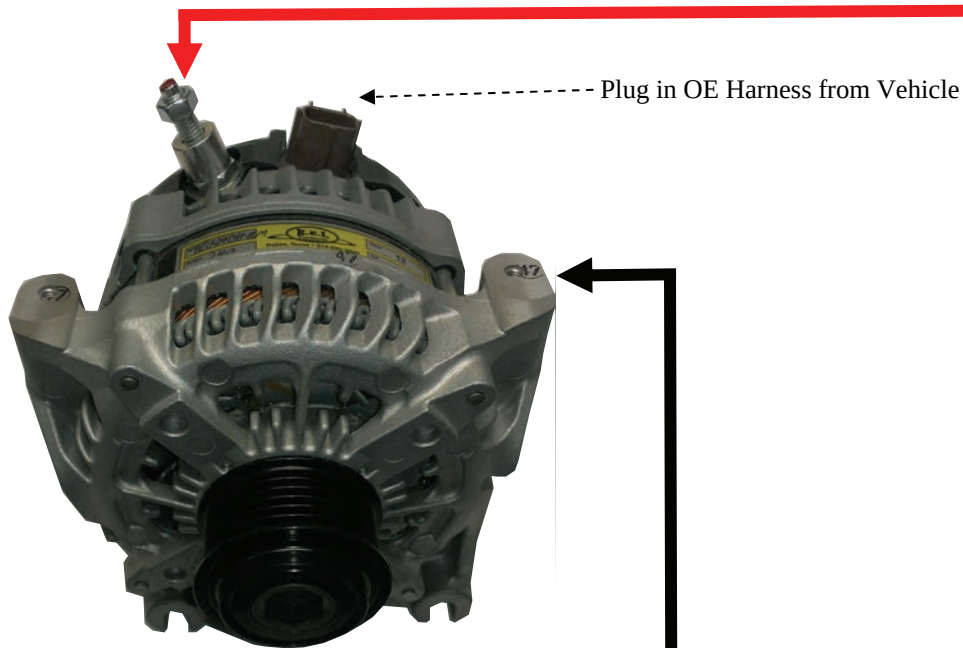


K.E.I. Installation Instructions	
Part # KGF Series	Date: 19 Feb 2014
Style: Internally Regulated 12 Volt Alt.	
Regulator : INTERNAL	
Drawn By: DBA	Approved By: MAL

***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.

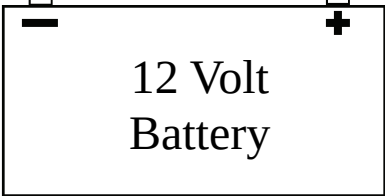
Alternator Model :

KGF240HI-PCM (PCM Controlled)



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	4/0	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

See Wire Gauge Chart



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.

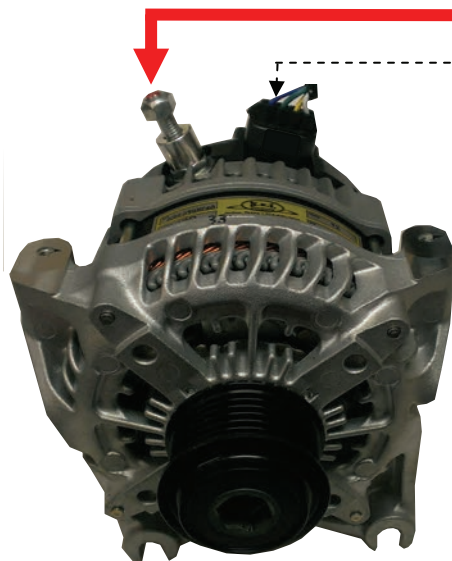
Tech Support
1.214.630.3820
After Hours
1.214.796.6617
1.817.994.3719

K.E.I. Installation Instructions	
Part # KDF240HI	Date: 19 Feb 2014
Style: Internally Regulated 12 Volt Alt.	
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 : **KGF240HI-3G-6G****Note:** Yellow = Ignition (From Regulator Plug)

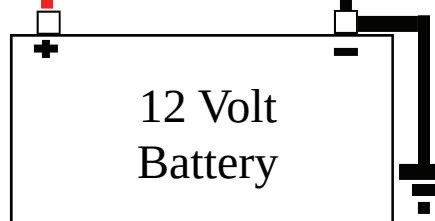
Must use a 5/16 Eyelet

**See *Note Below!**K193A
3G harnessK193B
6G harness

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

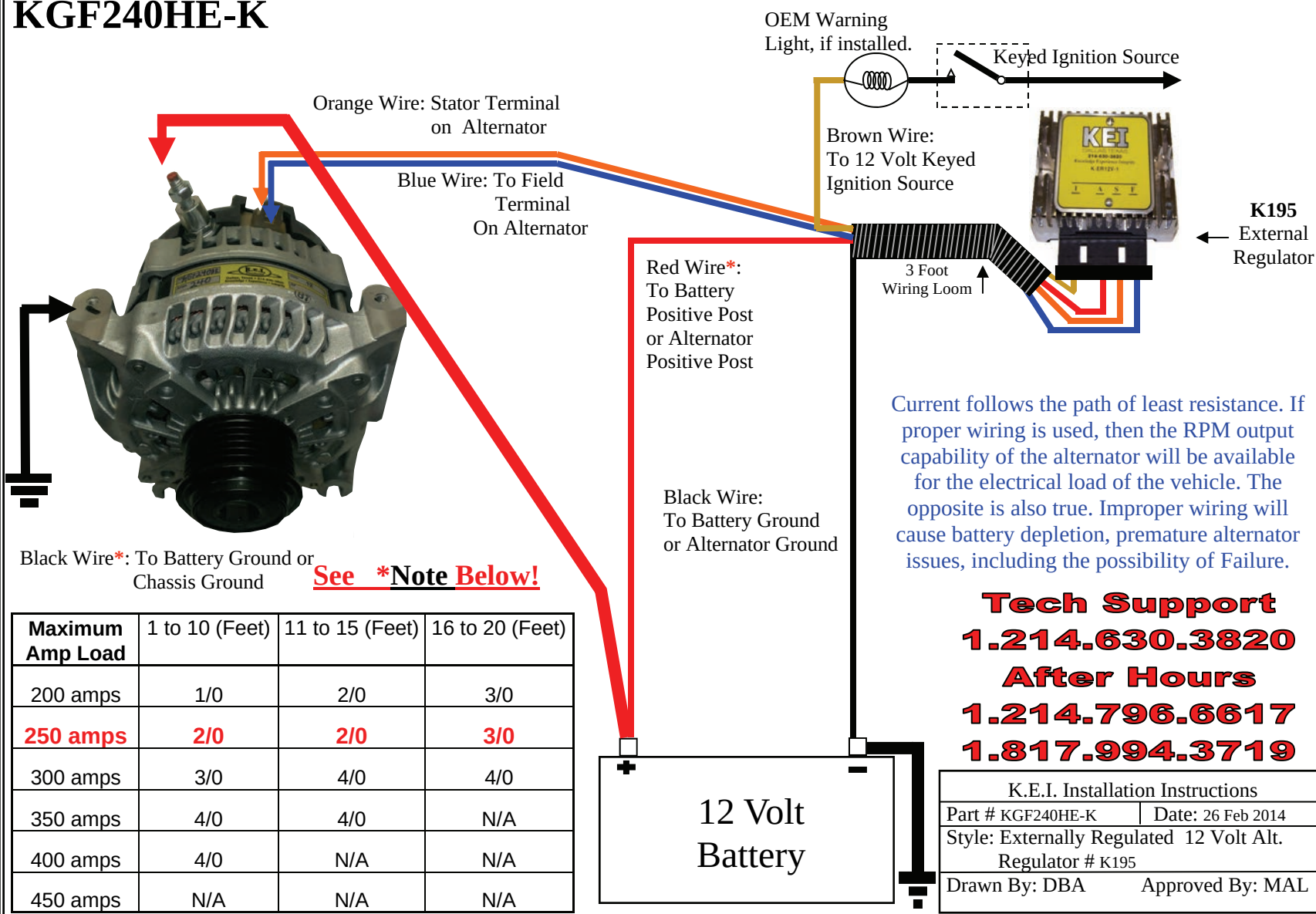
Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A



K.E.I. Installation Instructions	
Part #KGF240HI Series	Date: 26 Feb 2014
Style: 12 Volt Alt.	
Regulator : INTERNAL	
Drawn By: MAL	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 :

KGF240HE-K

***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 Model :

KDF240HI-PCM (PCM Controlled)

This alternator comes with a specialized Wiring harness allowing for direct Plug and Play function as well as ECU/ PCM recognition if needed

Item#1

The **Red Wire** (positive) with eyelet goes on alternator positive post (Item #1)

Item#2

The **Black Wire** (negative) with eyelet goes to chassis ground or can be positioned on one of the mounting bolts (Item #2) used on the alternator.

Item#3

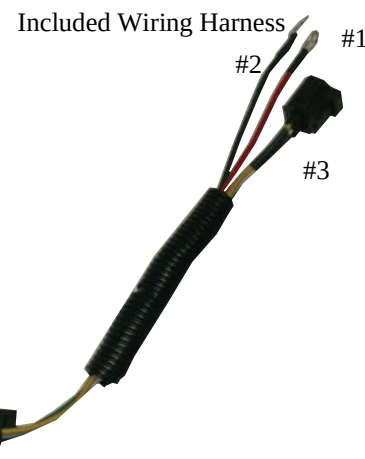
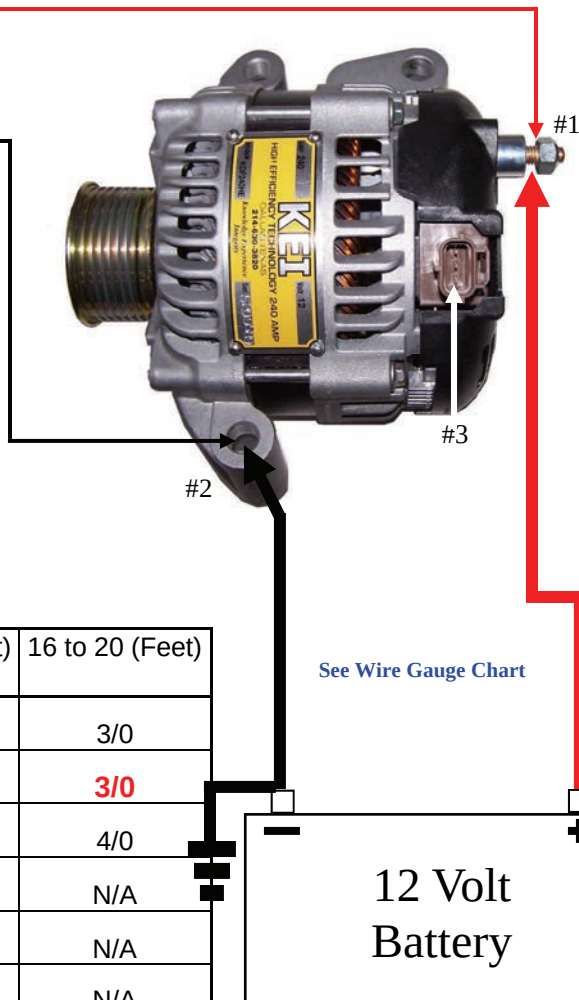
The Female Plug on harness gets inserted into the male terminal (Item #3) of the alternator.

Item#4

The Male Plug (Item #4) on harness gets plugged into Original Ford alternator harness.

The **F-Series truck** is normally direct connect from OEM harness into alternator.

The **E-Series van** normally requires the below harness to be connected.



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	4/0	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

See Wire Gauge Chart

12 Volt Battery

K.E.I. Installation Instructions	
Part # KDF240HI	Date: 19 Feb 2014
Style: Internally Regulated 12 Volt Alt.	
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 : **KDF240HI-3G-6G****Note:** Yellow = Ignition (From Regulator Plug)

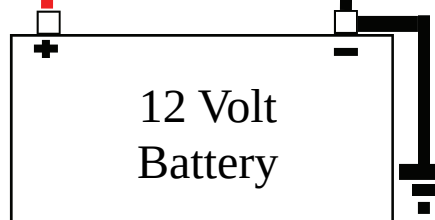
Must use a 5/16 Eyelet

**See *Note Below!**K193A
3G harnessK193B
6G harness

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

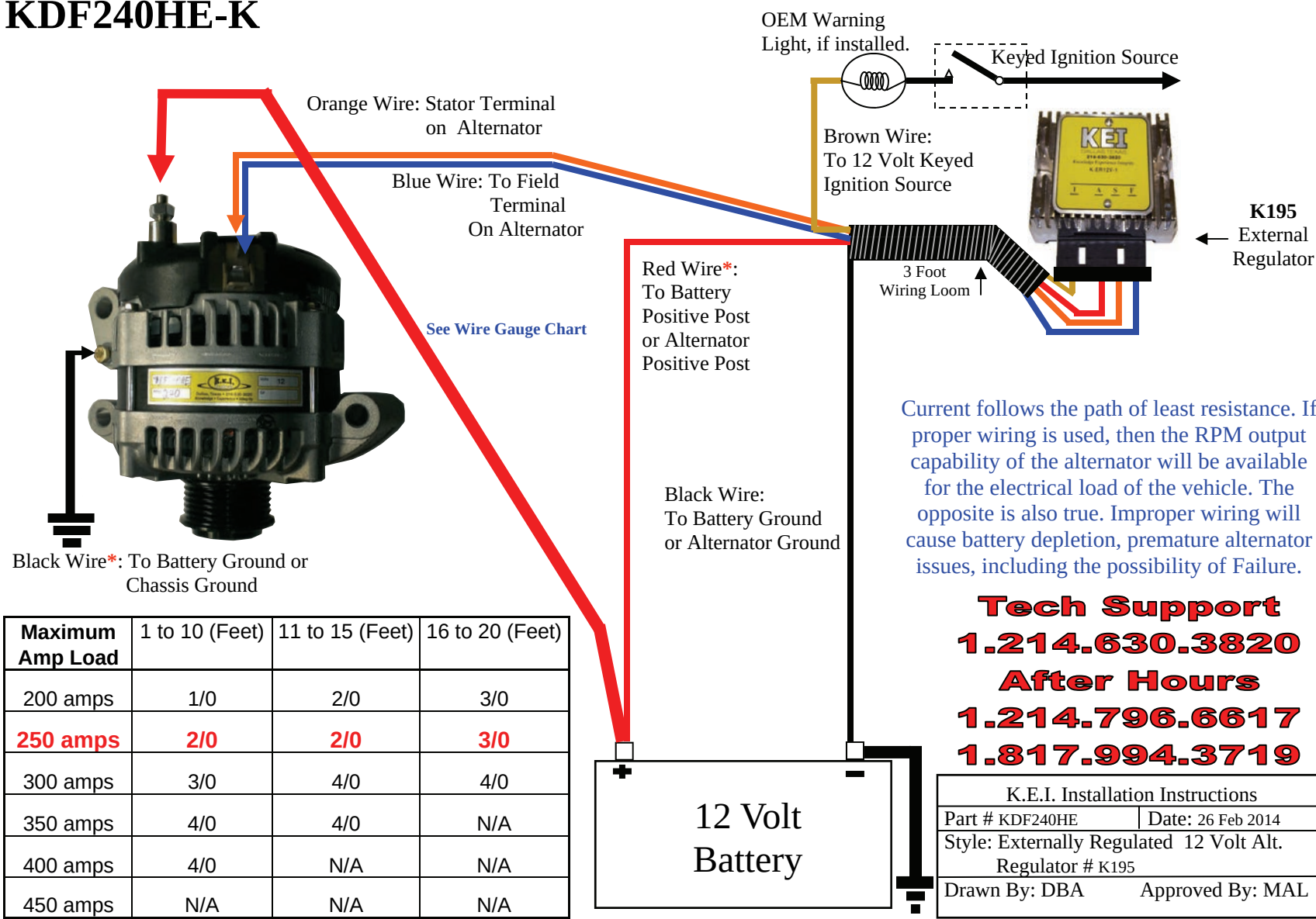
Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	1/0	2/0	3/0
250 amps	2/0	2/0	3/0
300 amps	3/0	4/0	4/0
350 amps	4/0	4/0	N/A
400 amps	4/0	N/A	N/A
450 amps	N/A	N/A	N/A

12 Volt
Battery

K.E.I. Installation Instructions	
Part #KDF240HI Series	Date: 26 Feb 2014
Style: 12 Volt Alt.	
Regulator : INTERNAL	
Drawn By: MAL	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 :

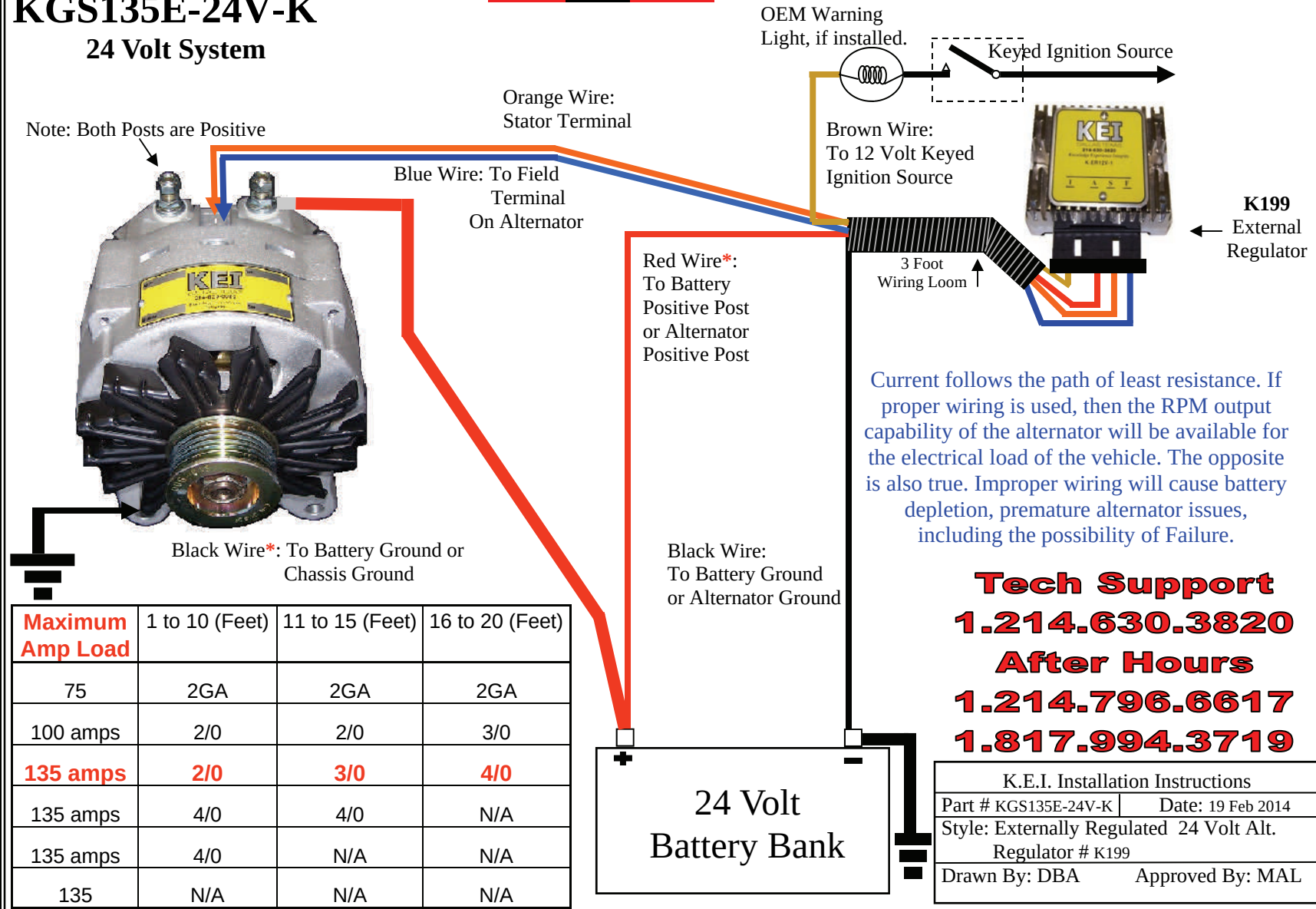
KDF240HE-K

***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 :

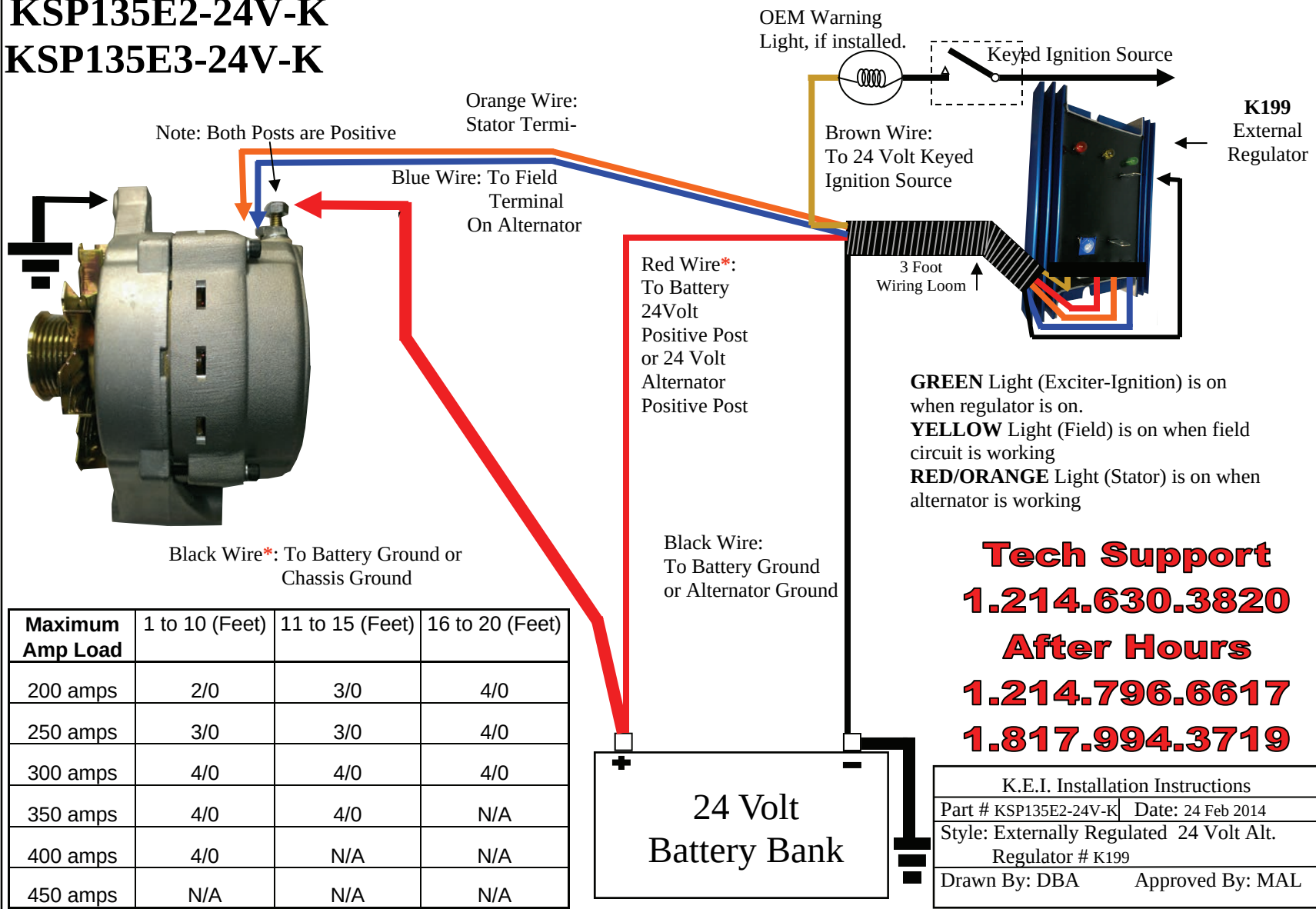
KGS135E-24V-K

24 Volt System

See *Note Below!

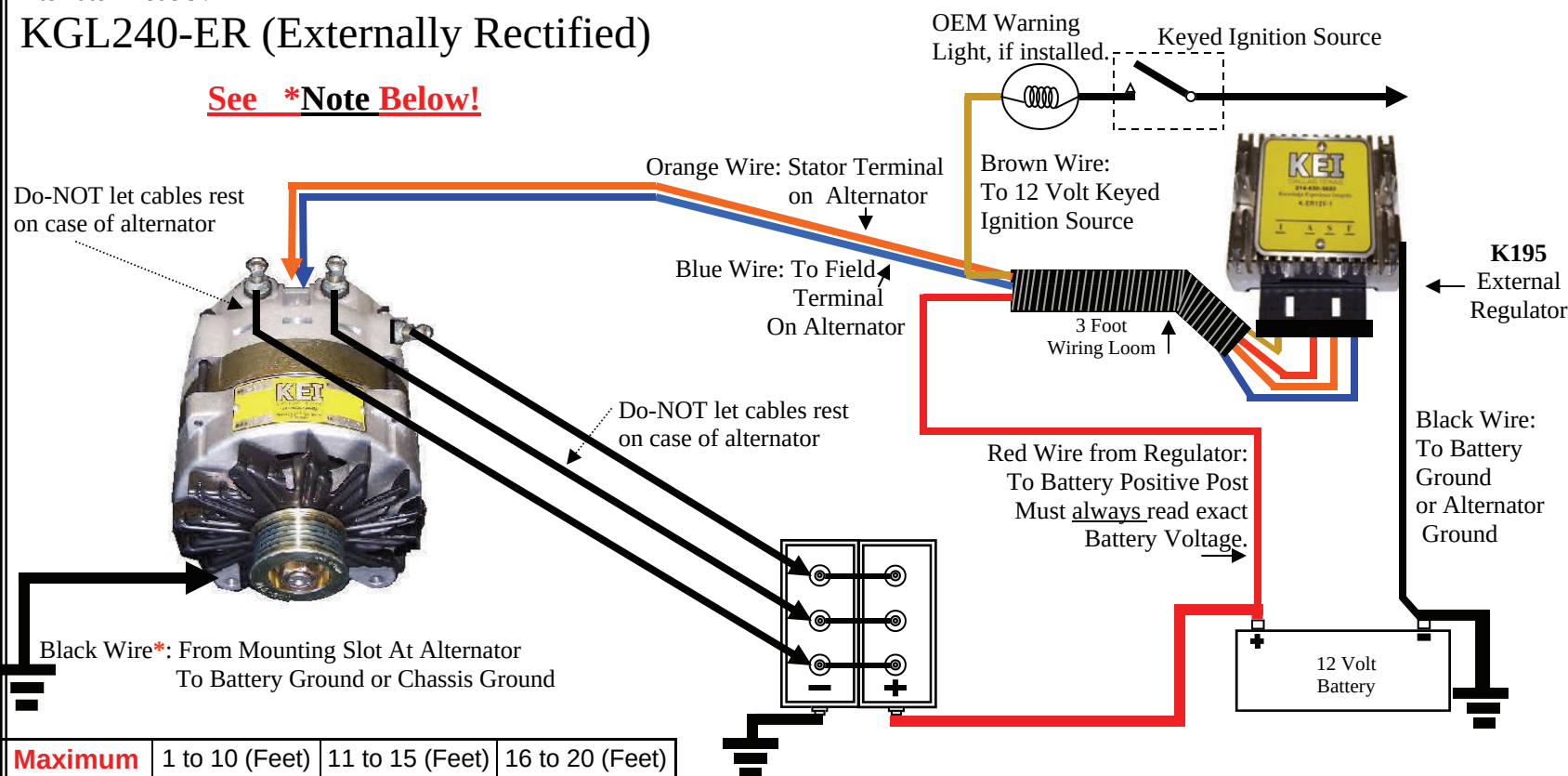
***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.

Alternator Models :

KSP135E2-24V-K**KSP135E3-24V-K**

***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 :

KGL240-ER (Externally Rectified)**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

IMPORTANT: This drawing is generic, although we think it fits almost all externally regulated applications, call us and we'll help determine your specific installation requirement.

Tech Support
1.214.630.3820
After Hours
1.214.796.6617
1.817.994.3719

K.E.I. Installation Instructions	
Part # KGL240ER	Date: 19 Feb 2014
Style: Externally Rectified	
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.