



K.E.I. 2350 W. Commerce, Dallas, TX 75212

Alternator Model :

KDF240HI (Internal Regulation)

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

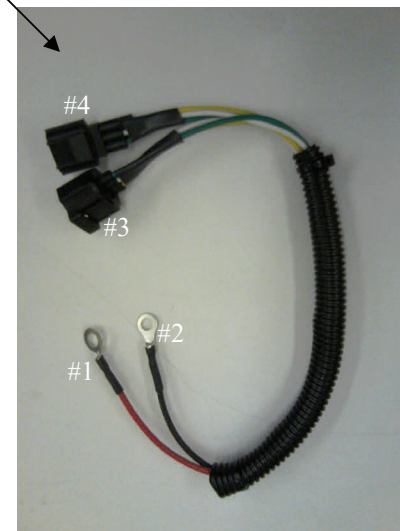
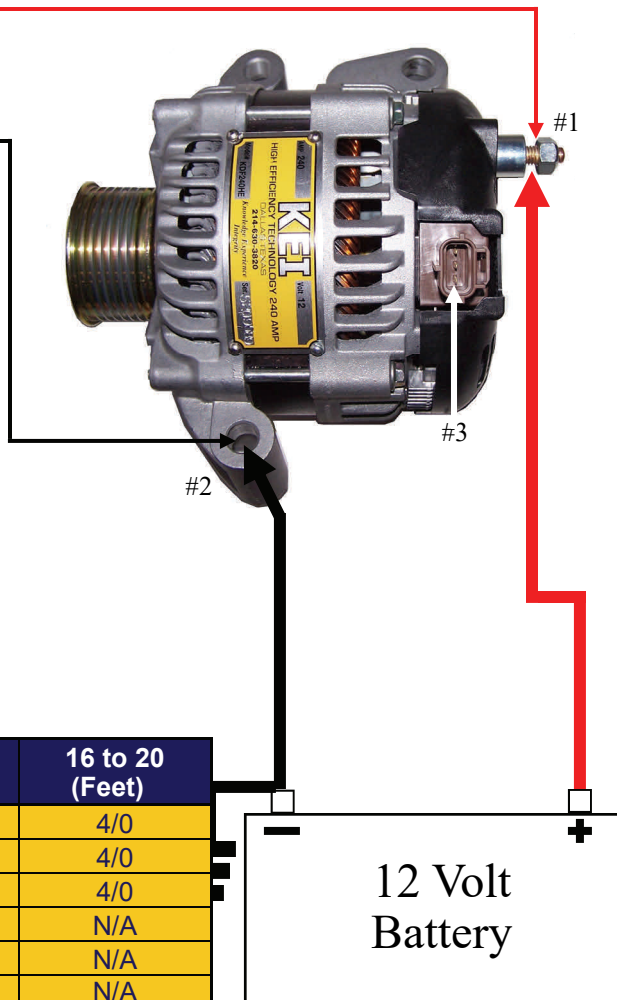
The Female Plug on harness gets inserted into the male terminal (Item #3) of the alternator.

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.



Included Wiring Harness

Tech Support
1.318.765.6855
1.214.630.3820

Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	2/0	3/0	4/0
250 amps	3/0	3/0	4/0
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

K.E.I. Installation Instructions	
Part# KDF240HI	Date: 9 May 2013
Style: 12 Volt / Internally Regulated	
Drawn By: DBA	Approved By: DK

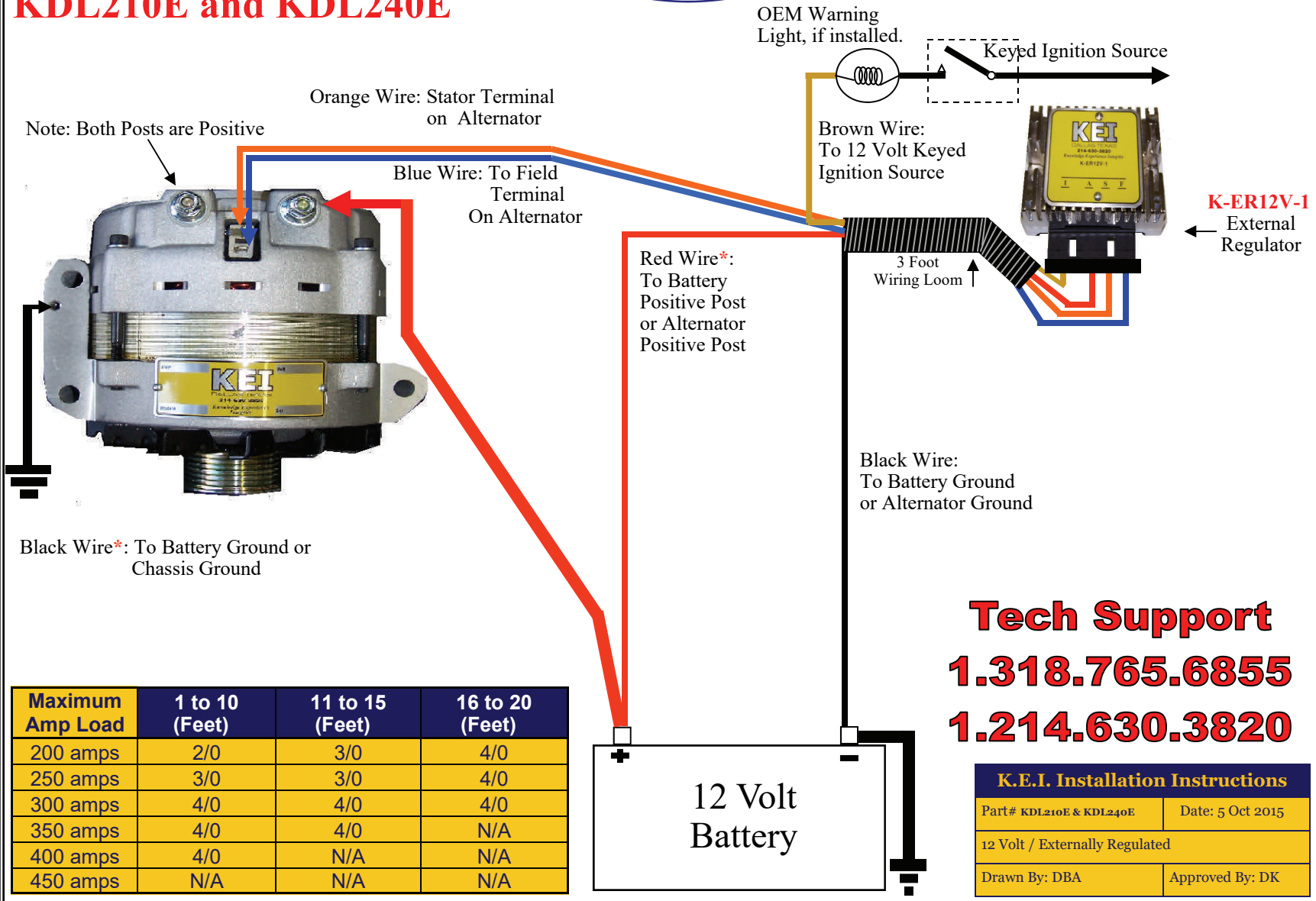
***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



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Alternator Models :

KDL210E and KDL240E



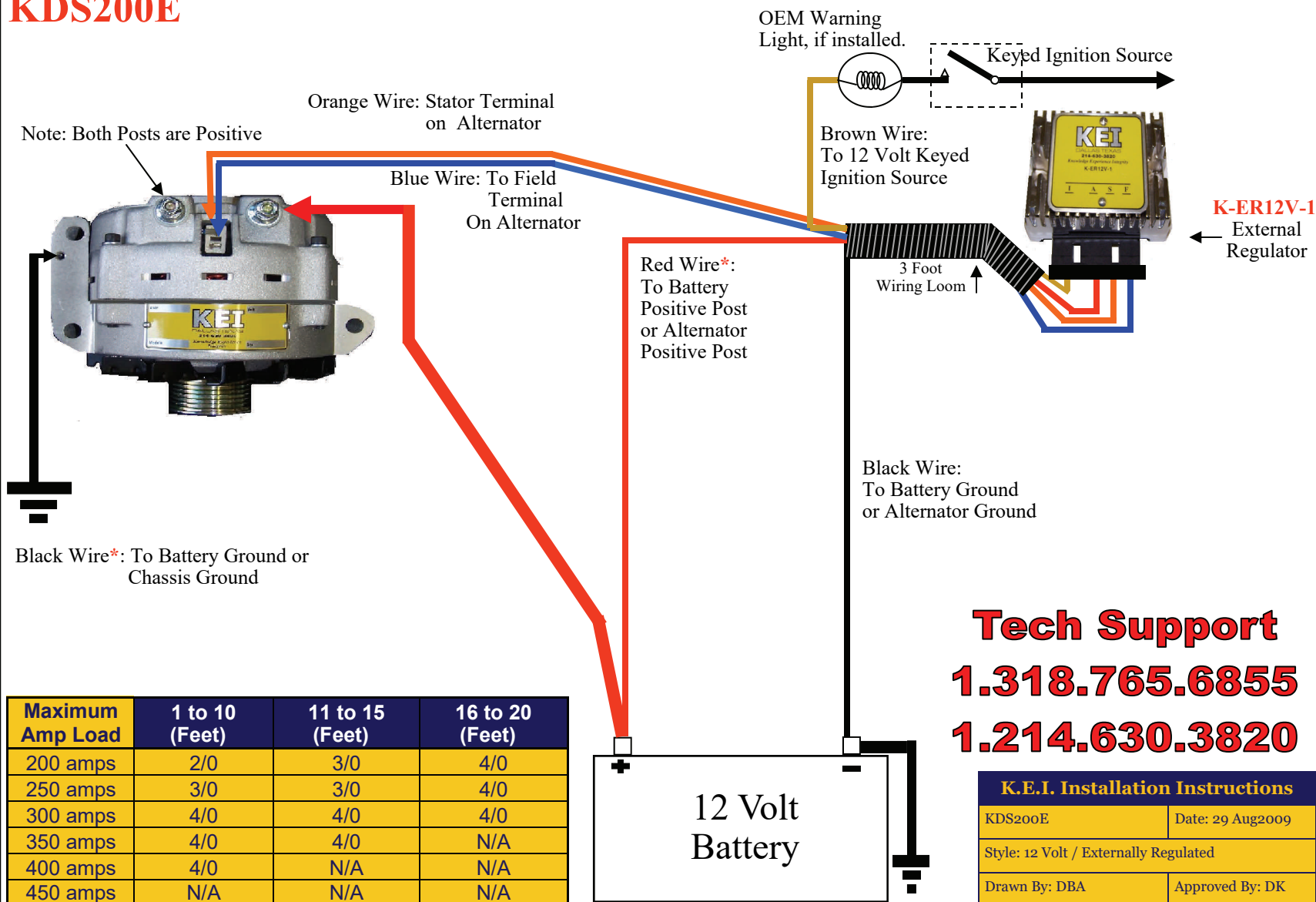
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Alternator Models :

KDS200E



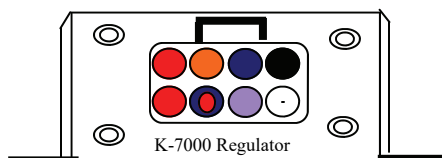
***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



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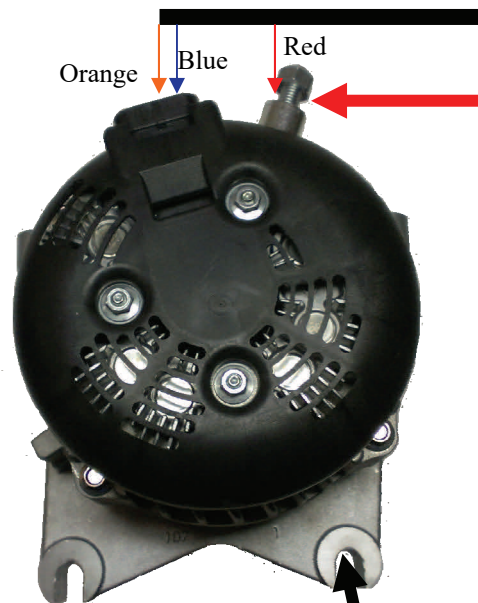
Alternator Models :

KGF240HE-K-7000

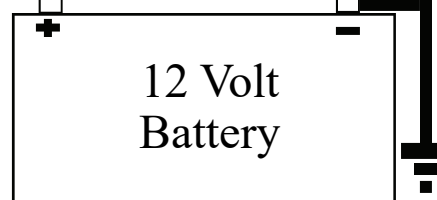


Color Key

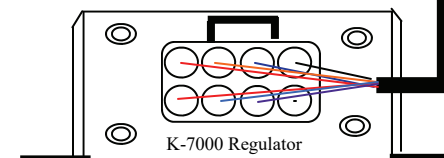
- Black
- Blue
- Orange
- Large Red
- Small red
- Blue/Red
- Purple
- None



See: *Note Below



Plug into OEM Alternator Connector



To Chassis or Battery Ground

Tech Support
1.318.765.6855
1.214.630.3820

Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	2/0	3/0	4/0
250 amps	3/0	3/0	4/0
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

K.E.I. Installation Instructions

Part# KGF Series	Date: 2 Sept 2015
Style: 12 Volt w/ K-7000 External Regulator	
Drawn By: DBA	Approved By: DK

***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.



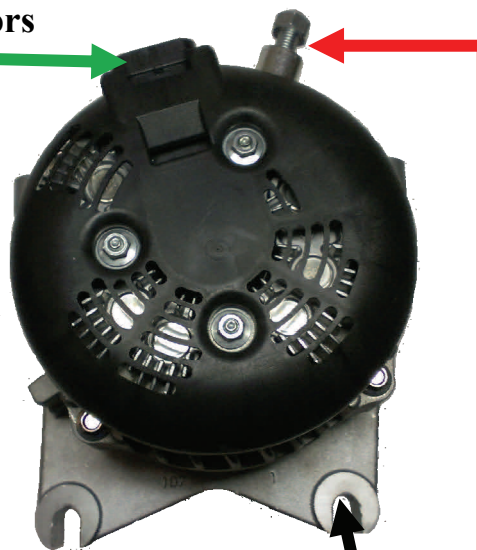
K.E.I. 2350 W. Commerce, Dallas, TX 75212

Alternator Models :

KGF240HI-T

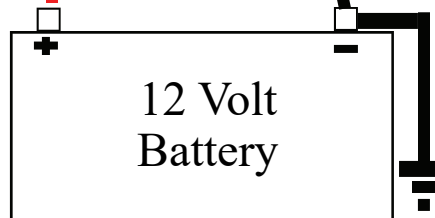
Direct Ford / OEM Replacement Alternators

Reconnect original OEM Electrical Plug Here



See: *Note Below

Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	2/0	3/0	4/0
250 amps	3/0	3/0	4/0
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



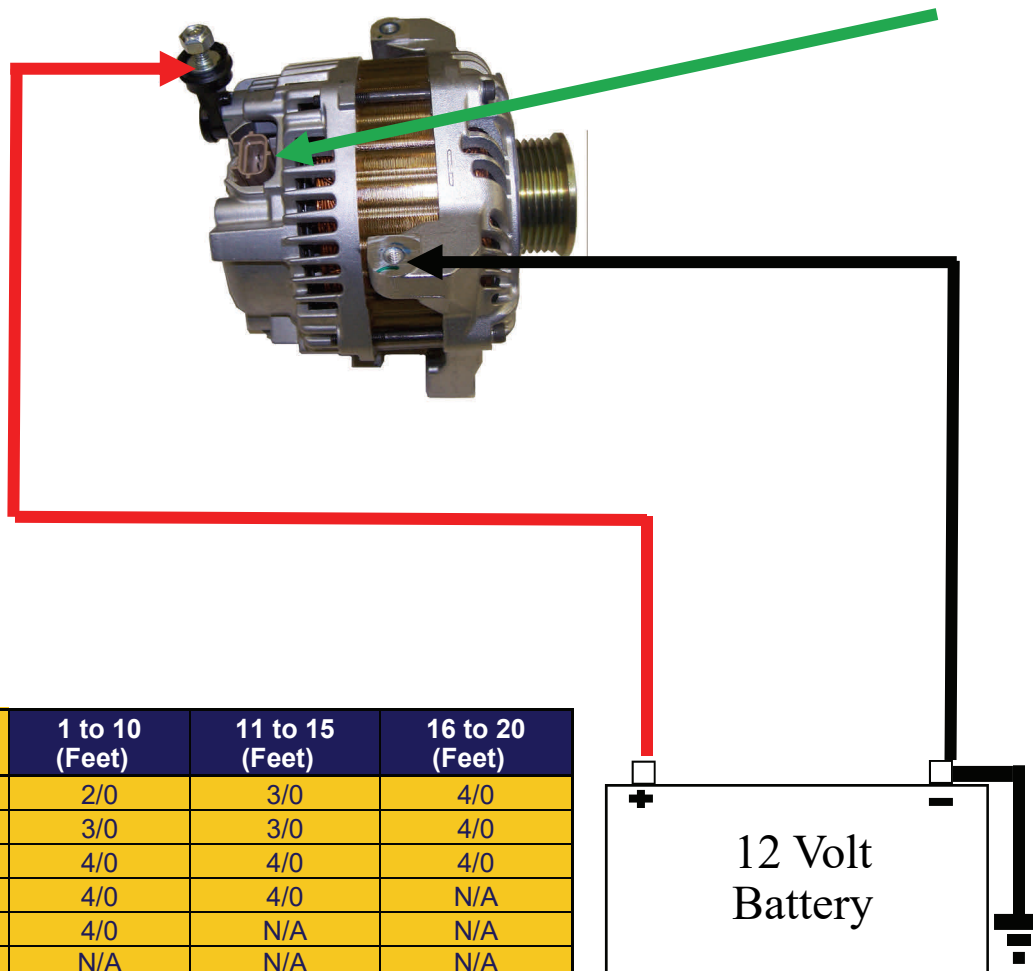
Tech Support
1.318.765.6855
1.318.664.7546
1.214.630.3820

K.E.I. Installation Instructions

Part# KGF240HI-t	Date: 12 Nov 2014
Style: 12 Volt - Internally Regulated	
Drawn By: DBA	Approved By: DK

***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**Reconnect original OEM Electrical Plug
Here

Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	2/0	3/0	4/0
250 amps	3/0	3/0	4/0
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

Tech Support
1.318.765.6855
1.318.664.7546
1.214.630.3820

K.E.I. Installation Instructions

Part# KGF240 Series	Date: 5 Oct 2015
Style: 12 Volt / Internally Regulated	
Drawn By: DBA	Approved By: DK

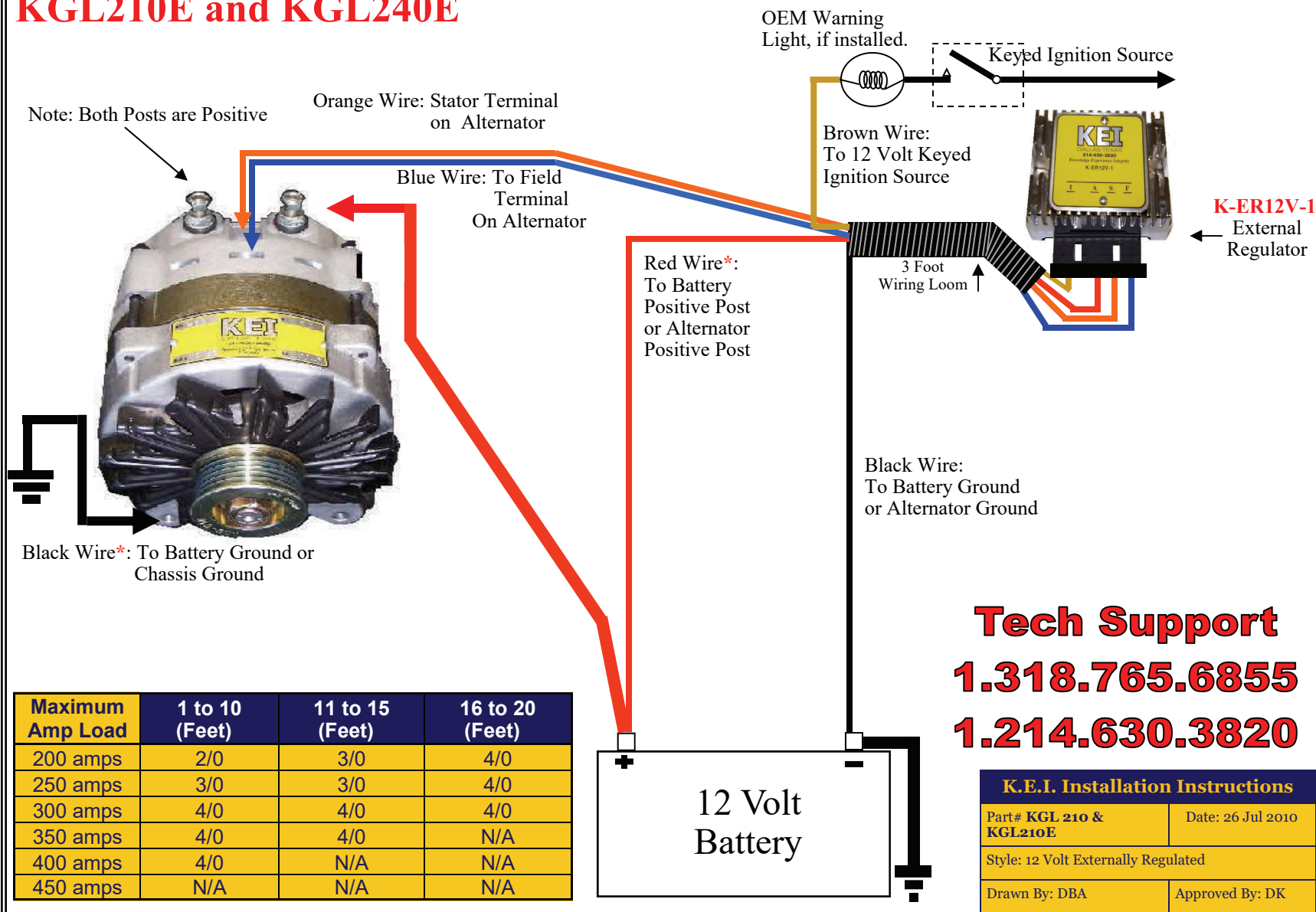
***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



K.E.I. 2350 W. Commerce Dallas, TX 75212

Alternator Models :

KGL210E and KGL240E



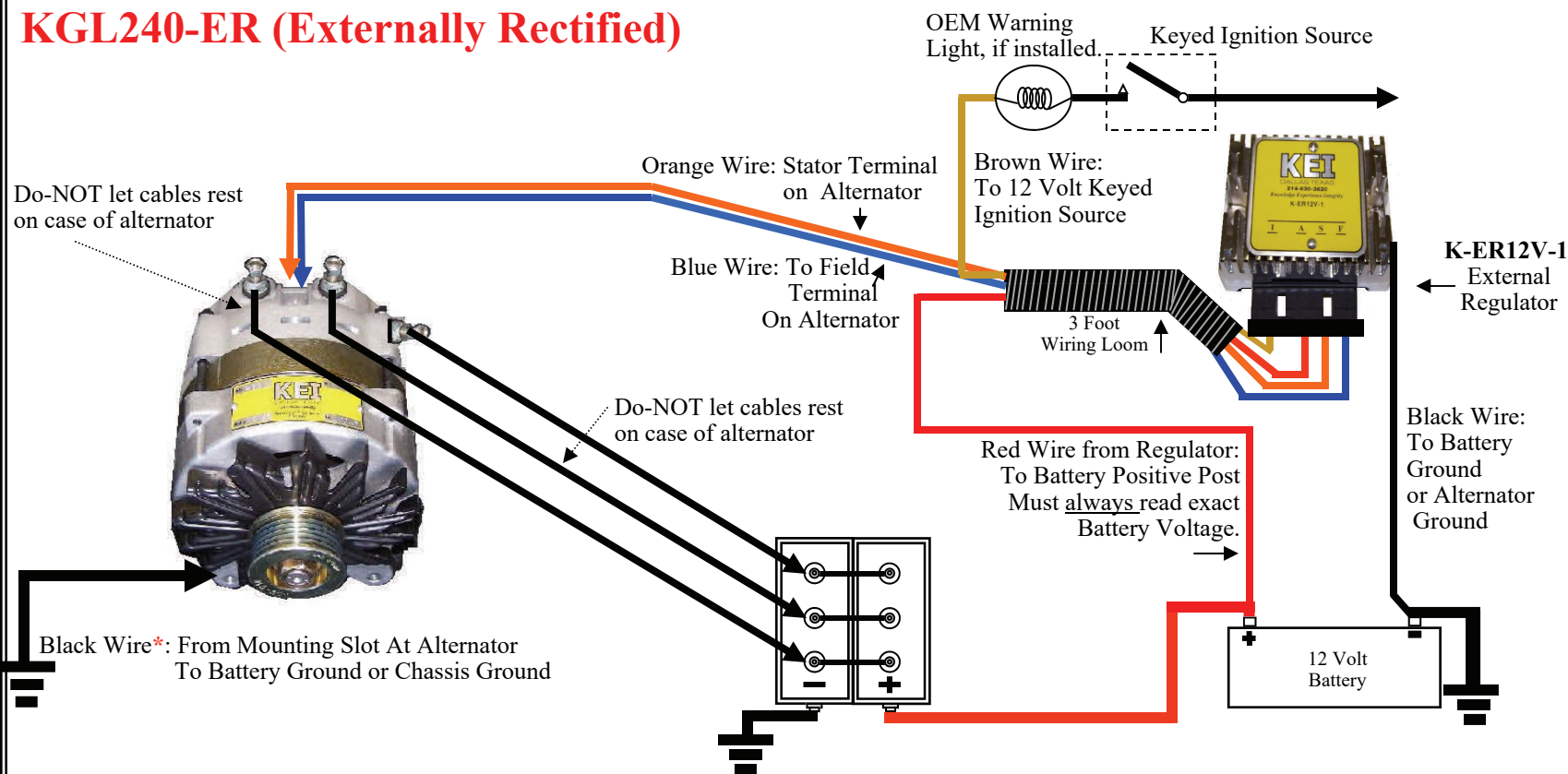
***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



K.E.I. 2350 W. Commerce Dallas, TX 75212

Alternator Models :

KGL240-ER (Externally Rectified)



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.

Maximum Amp Load	1 to 10 (Feet)	11 to 15 (Feet)	16 to 20 (Feet)
200 amps	2/0	3/0	4/0
250 amps	3/0	3/0	4/0
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

Tech Support
1.318.765.6855
1.214.630.3820

K.E.I. Installation Instructions

Part# KGL240ER	Date: 4 Sept 2009
Style: 12 Volt—Externally Rectified—Ext. Reg.	
Drawn By: DBA	Approved By: DK

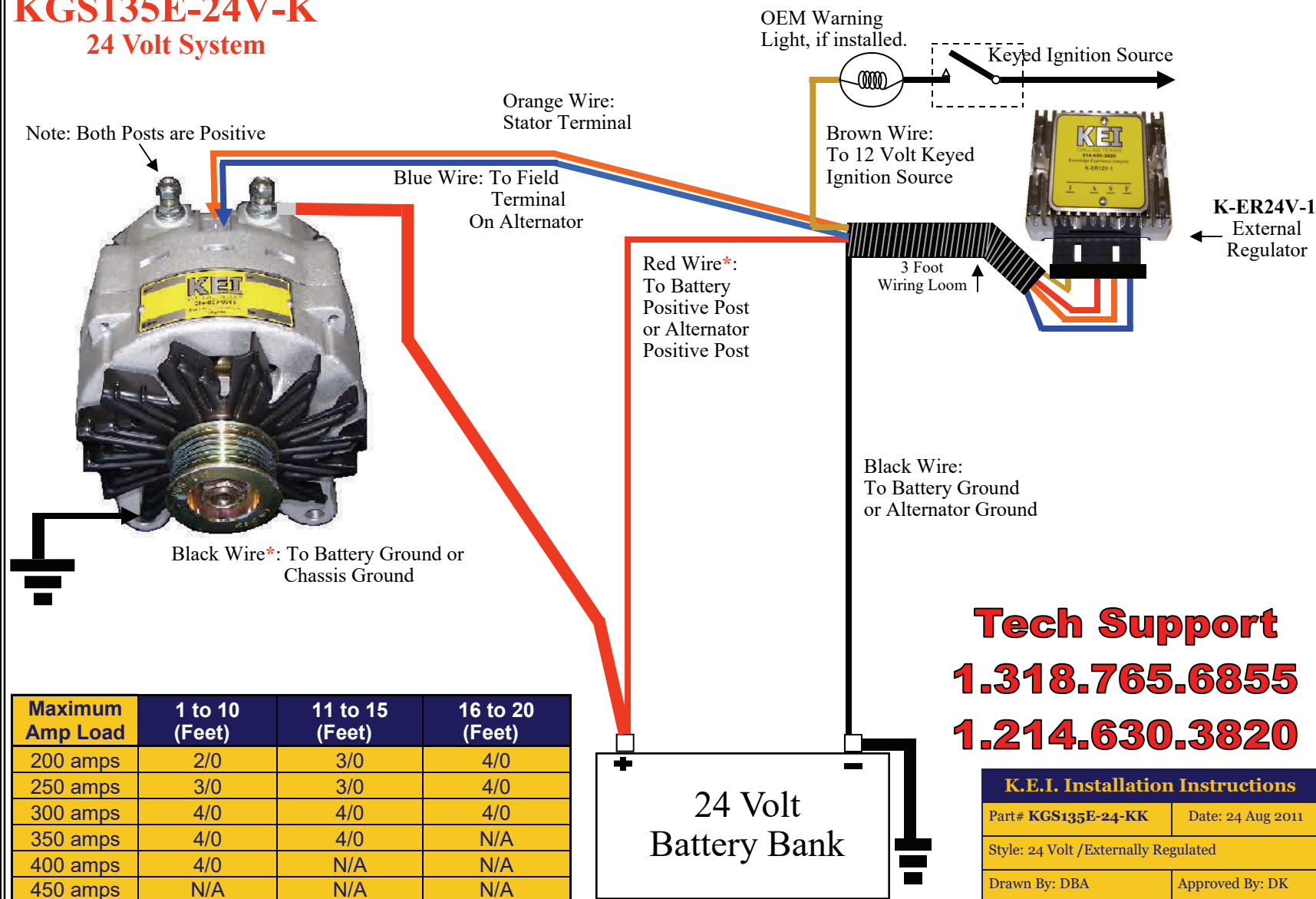
***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



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Alternator Models :

KGS135E-24V-K 24 Volt System



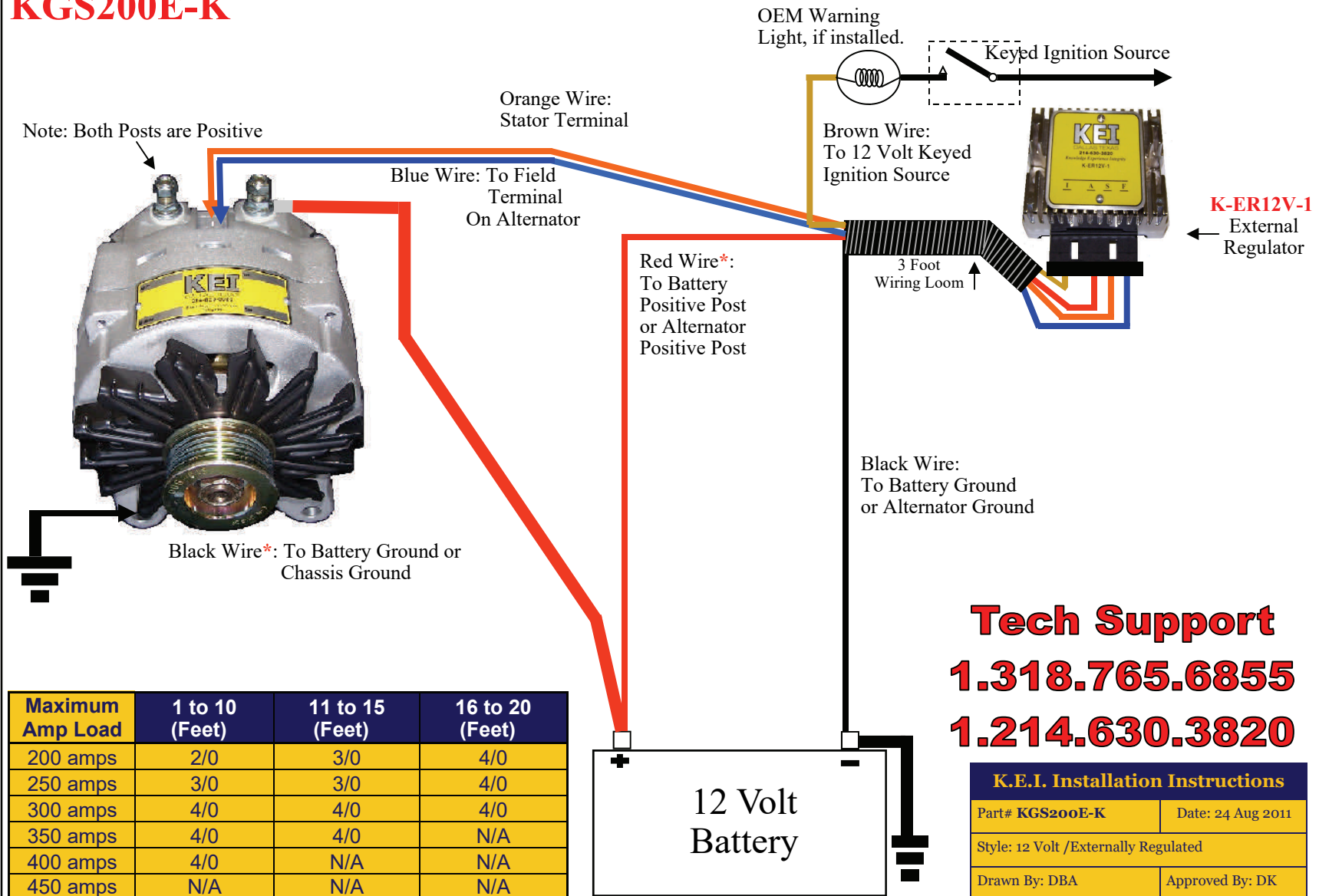
***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



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Alternator Models :

KGS200E-K



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