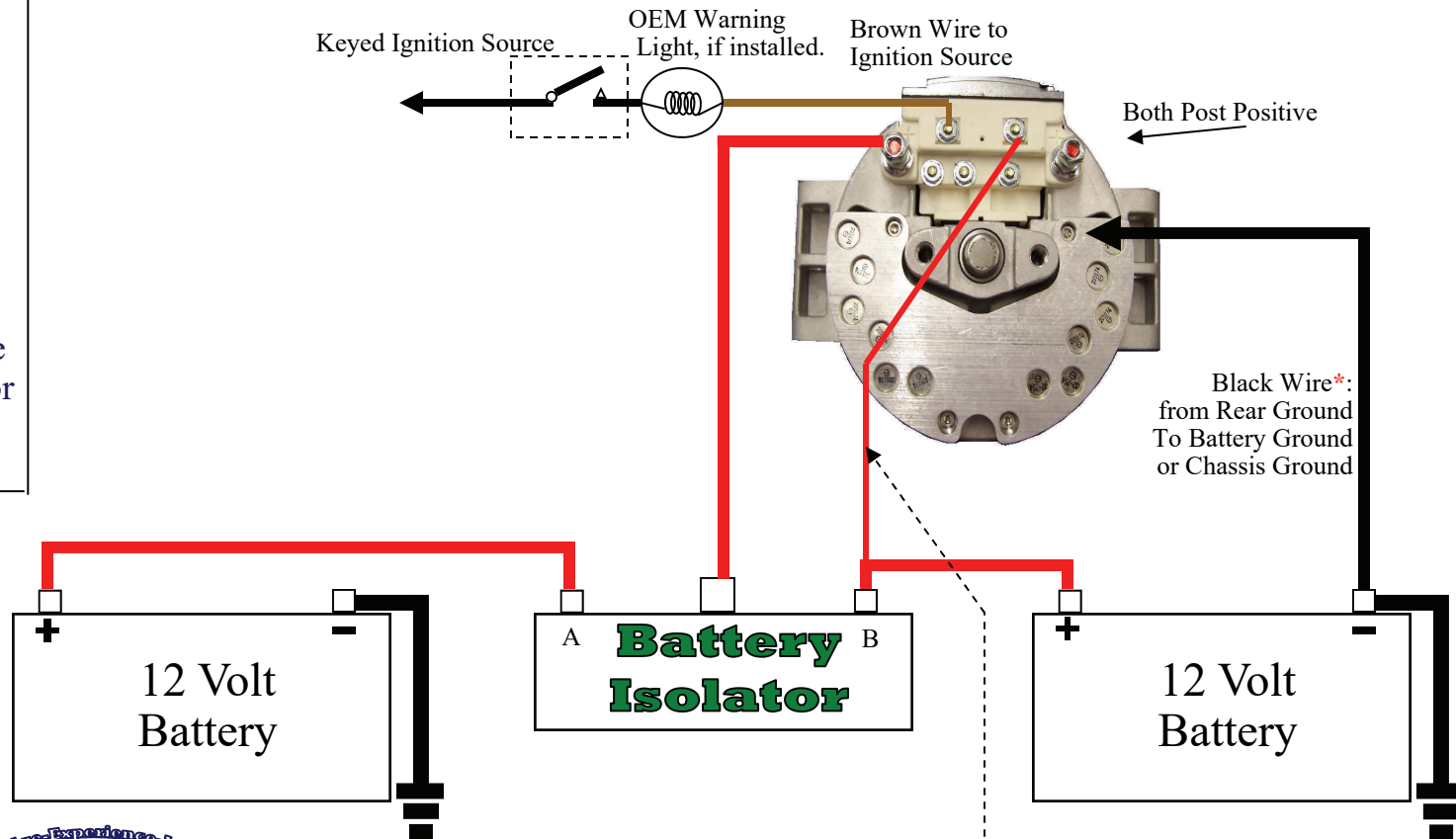


Alternator Models :
KP200IIRS
KP250IIRS
KP270IIRS
KP290IIRS
KP340IIRS
KP370IIRS
 (Ignition-Excite)
 with Remote Sense
 and Battery Isolator



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 | 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 |

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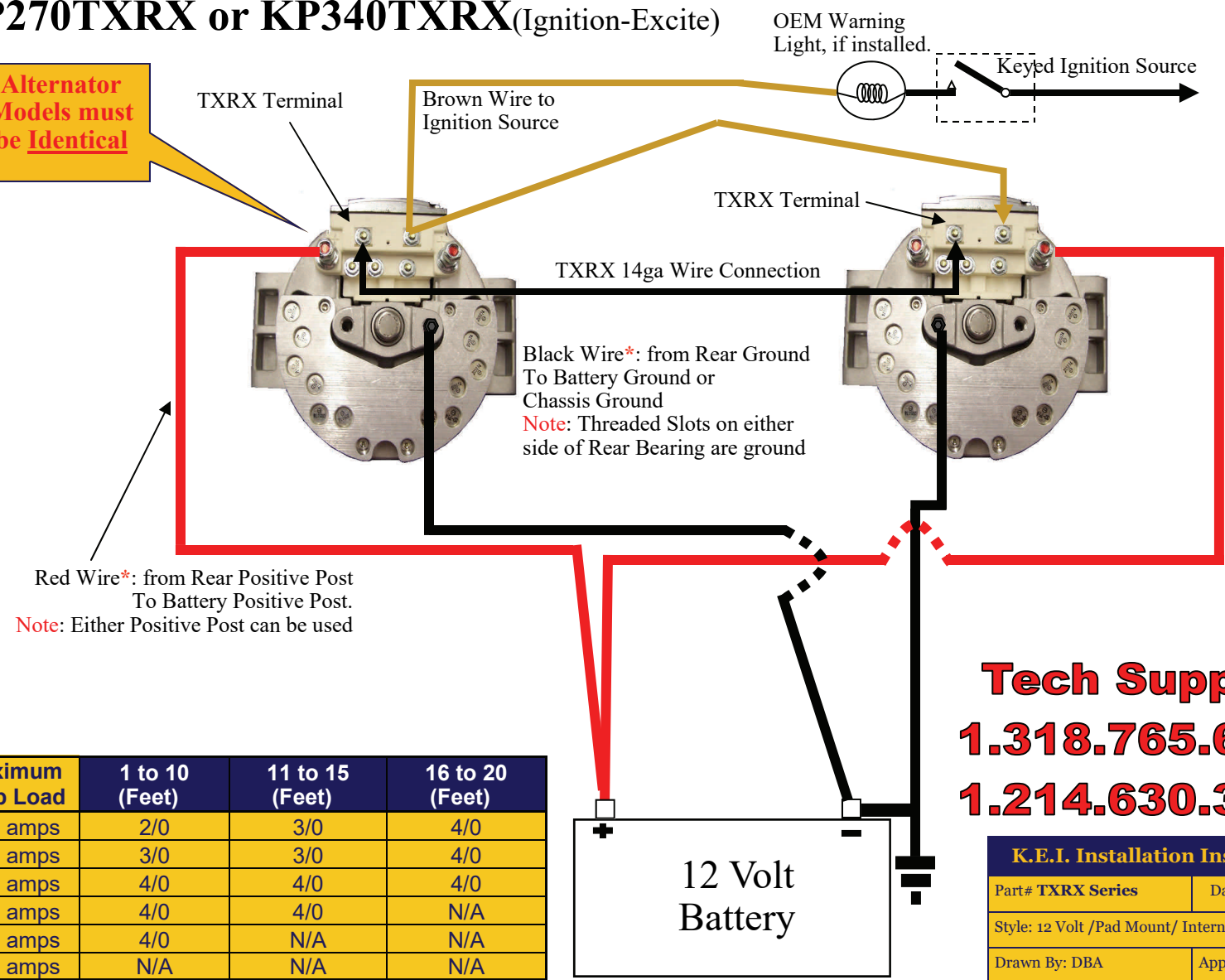
| K.E.I. Installation Instructions | |
|--|-------------------|
| Part# KP Series | Date: 30 Aug 2009 |
| Style: 12 Volt /Pad- Mount/ Internally Regulated | |
| Drawn By: DBA | Approved By: DK |

***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 :

KP270TXRX or KP340TXRX (Ignition-Excite)

Alternator Models must be Identical



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| 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# TXRX Series | Date: 27 Aug 2009 |
| Style: 12 Volt /Pad Mount/ Internally Regulated | |
| Drawn By: DBA | Approved By: DK |

*Note: Positive and Ground Cables from Each 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 : **KP200E / KP250E / KP270E / KP290E / KP340E / KP370E**

Externally Regulated

Both Posts Are Positive

Blue Wire: To Field Terminal
On Top of Alternator

Orange Wire: Stator
Terminal on Alternator

OEM Warning
Light, if installed

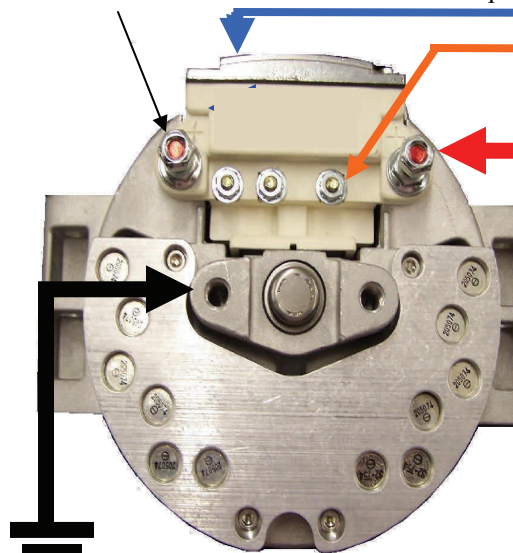
Brown Wire:
To 12 Volt Keyed
Ignition Source

Keyed Ignition Source

Red Wire:
To Battery
Positive Post
or Alternator
Positive Post

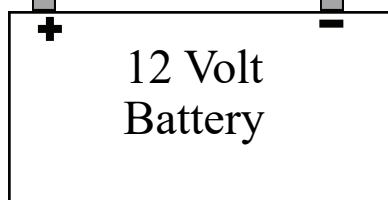
3 Foot
Wiring Loom ↑
Black Wire:
To Battery Ground
or Alternator
Ground

K-ER12V-1
External
Regulator



Black Wire*: To Battery Ground or
Chassis Ground

Output
Cable*



| 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 |

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| K.E.I. Installation Instructions | |
|---|-------------------|
| Part# KP Series | Date: 30 Aug 2009 |
| Style: 12 Volt /Pad-Mount/ Externally Regulated | |
| Drawn By: DBA | Approved By: DK |

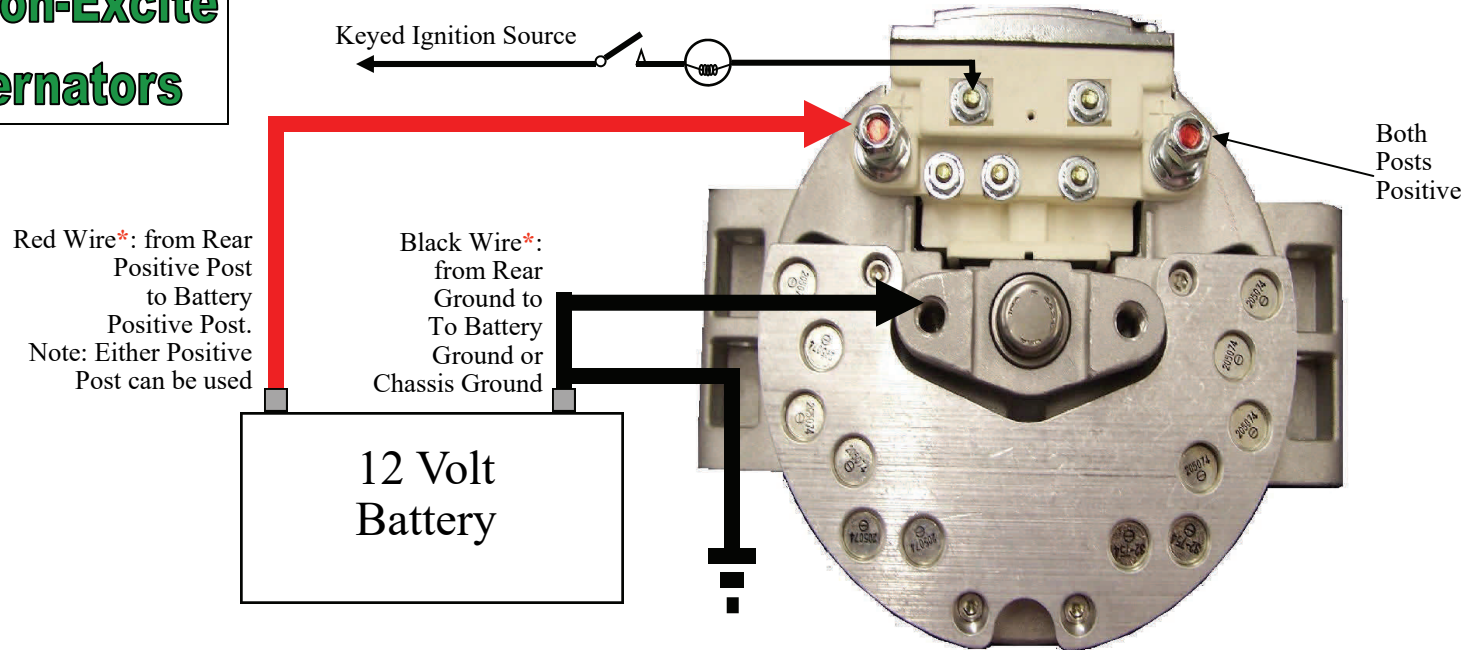
*Note: Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



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

Alternator Models: **KP200II / KP250II / KP270II / KP290II / KP340II / KP370II**

Ignition-Excite Alternators



| 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
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K.E.I. Installation Instructions

Part# Kp Series

Date: 30 Aug 2009

Style: 12 Volt /Pad-Mount/ Internally Regulated

Drawn By: DBA

Approved By: DK

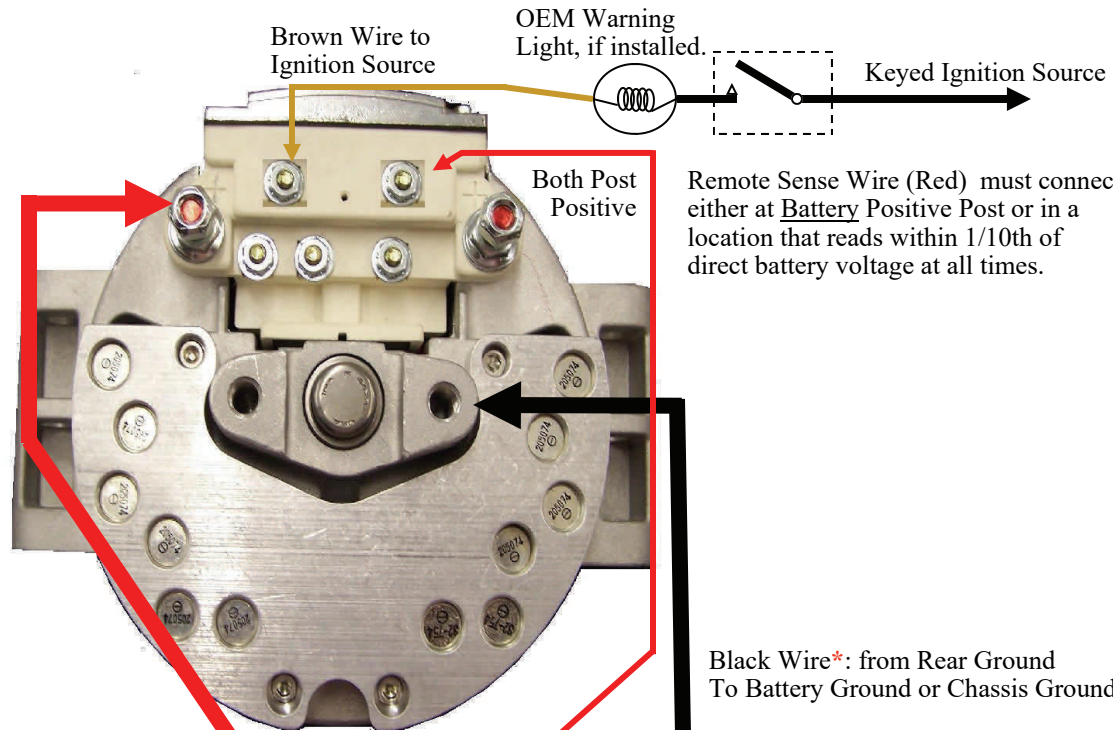
***Note:** Positive and Ground Cables from Alternator and Battery, must be upgraded to at least a minimum size Cable according to chart on this document.



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

Alternator Models: **KP200IIRS /KP250IIRS /KP270IIRS /KP290IIRS /KP340IIRS /KP370IIRS**

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

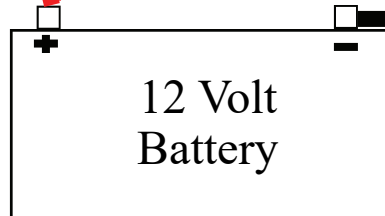


Red Wire*: from Rear Positive Post
To Battery Positive Post.
Note: Both Posts
are Positive

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

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

| 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
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1.214.630.3820

| K.E.I. Installation Instructions | |
|---|-------------------|
| Part# KP Series | Date: 30 Aug 2009 |
| Style: 12 Volt /Pad-Mount/ 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.



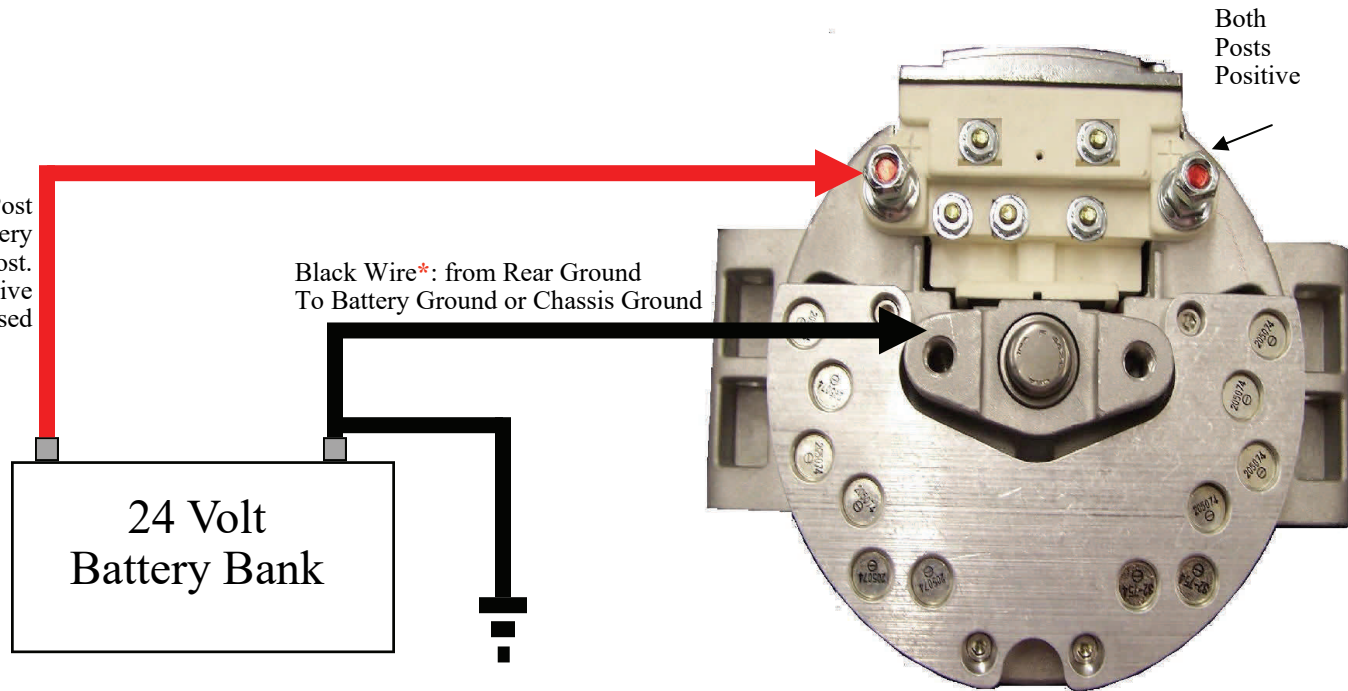
K.E.I. 2350 W. Commerce, Dallas, TX 75212

Alternator Models: **KP160I - 24/KP200I - 24/KP250I - 24**

Self-Excite Alternators

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

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



| 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
1.214.630.3820

K.E.I. Installation Instructions

| | |
|---|-----------------|
| Part# KP Series | Date: 21 NOV 15 |
| Style: 24 Volt /Pad Mount/ 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.



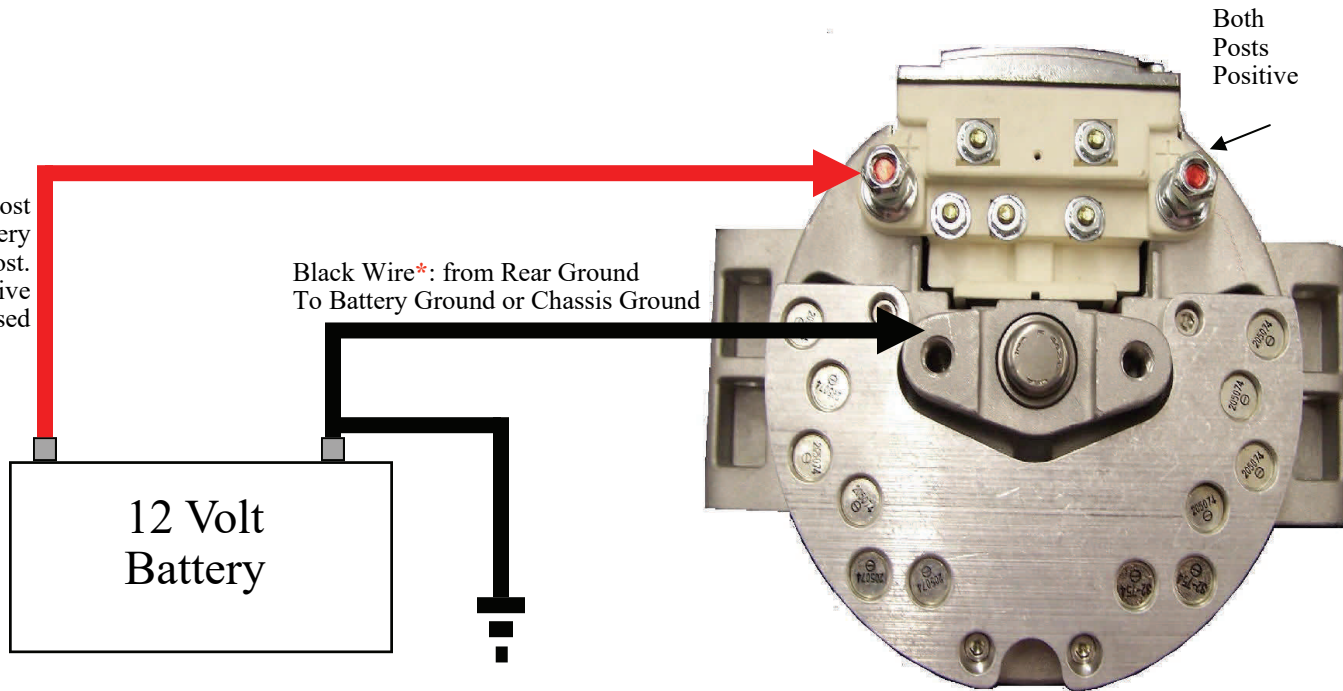
K.E.I. 2350 W. Commerce, Dallas, TX 75212

Alternator Models: **KP200I /KP250I /KP270I /KP290I /KP340I**

Self-Excite Alternators

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

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



| 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
1.214.630.3820

K.E.I. Installation Instructions

| | |
|---|-------------------|
| Part# KP Series | Date: 30 Aug 2009 |
| Style: 12 Volt /Pad Mount/ 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.