



Precision Parts

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LIVE WIRE

Welcome

Greg Stuart
 Engineering Manager

Welcome to the July 2006 issue of our "Live Wire" newsletter.

Greg Stuart's **Technical** column this month addresses DAA314 testing and diagnostic procedures.

On page 4, 'Hot Stuff' addresses items of interest to our customers.

For more information on these articles or other information, I can be E-mailed directly at:

gstuart@pprok.com

I look forward to hearing from you.

THANKS.

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LIVEWIRE GOES ELECTRONIC

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This is the FINAL Livewire hardcopy to be distributed by PPR. Future distribution will be:

1. Future issues and archived issues will be available on line at www.pprok.com, by clicking the "News/Live" tab. The LiveWire, in pdf format, can be printed on command from your PC.

2. PPR will email the Live Wire to those on a group mailing list. To receive the Live Wire emails, send us your email address at: techsupport@pprok.com. **We also will email to installing shops that use PPR product who want to be on the list.**

Contact Us



By Phone: 1-800-654-3846 ext. 243
 Mon - Fri 7:00-4:30 Central Time
 Precision Parts Technical Support can answer your questions on cataloging and technical issues.



By Fax: **1-405-685-7215**
 Mon - Fri 7:00-4:30 Central Time

Precision Parts Technical Support can provide you with technical information via fax line. Call or fax in your request and we can respond by fax. We can supply catalog information, copies of technical articles and service bulletins.



By Email: techsupport@pprok.com

Combined, our technical staff has hundreds of years of experience diagnosing and correcting electrical system problems. We also have numerous resources available to help research and solve your toughest problems.



Technical

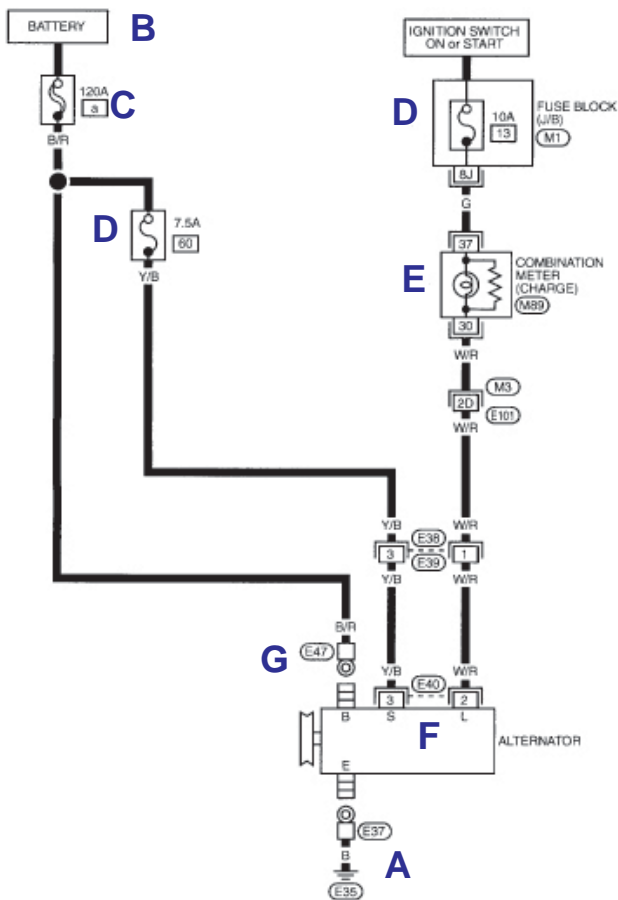
Greg Stuart
Engineering Manager

DAA314

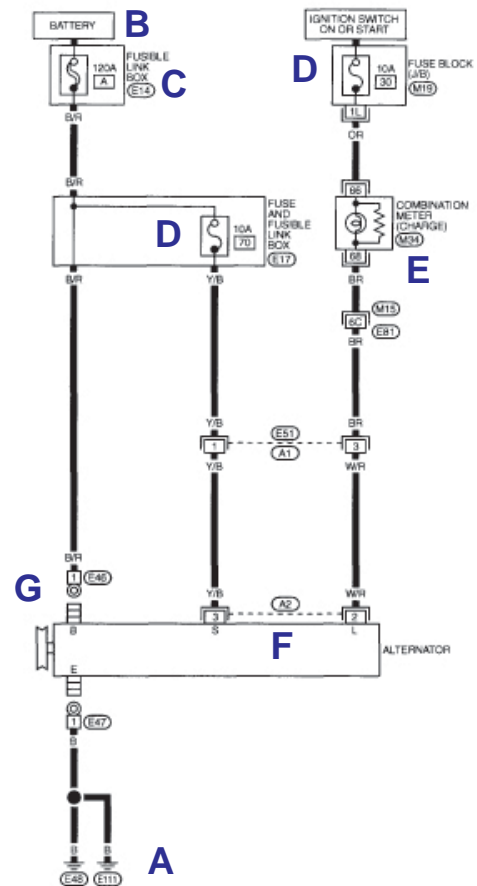
Application: 1998 - 2001 Infinity I30 3000cc
 2001 - 2005 Infinity I35 3500cc
 1995 - 1996 Nissan Maxima 3000cc
 2001 - 2003 Nissan Maxima 3500cc
 1996 - 2001 Nissan Maxima SE 3000cc
 2003 - 2005 Nissan Murano 3500cc

Typical Wiring Diagrams

1998 - 2000 Infinity I30 3000cc
 1995 - 1996 Nissan Maxima 3000cc
 1996 - 2000 Nissan Maxima SE 3000cc



2001 Infinity I30 3000cc
 2001 Infinity I35 3500cc
 2001 Nissan Maxima 3500cc



Trouble shooting information:

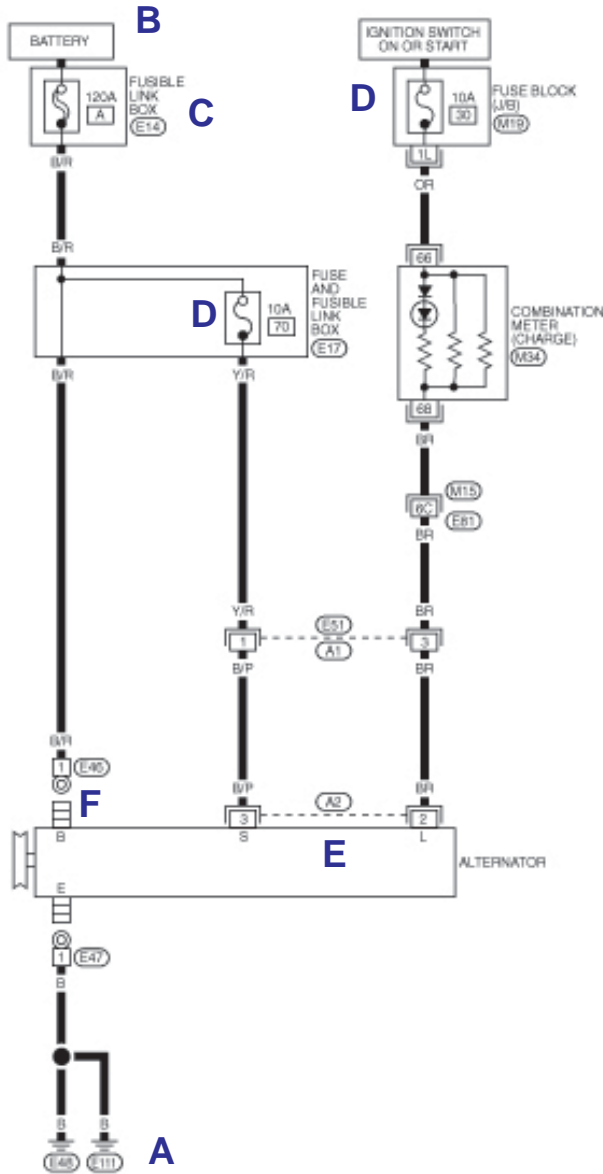
- A. Check ground connections, must be tight and corrosion free. Check for voltage drops in ground circuit.
- B. Check battery positive connection, must be tight and corrosion free.
- C. Check connections across the fusible like. Check for voltage drop across fusible link.
- D. Check fuses in Fuse block, fuse and fuselink box.
- E. Check Charge Warning Light.
- F. Check for voltage at alternator plug, Key on Engine off, voltage on "S" (Y/B) and "L" (W/R).
- G. Check battery connection to alternator, must be tight and corrosion free.

Technical

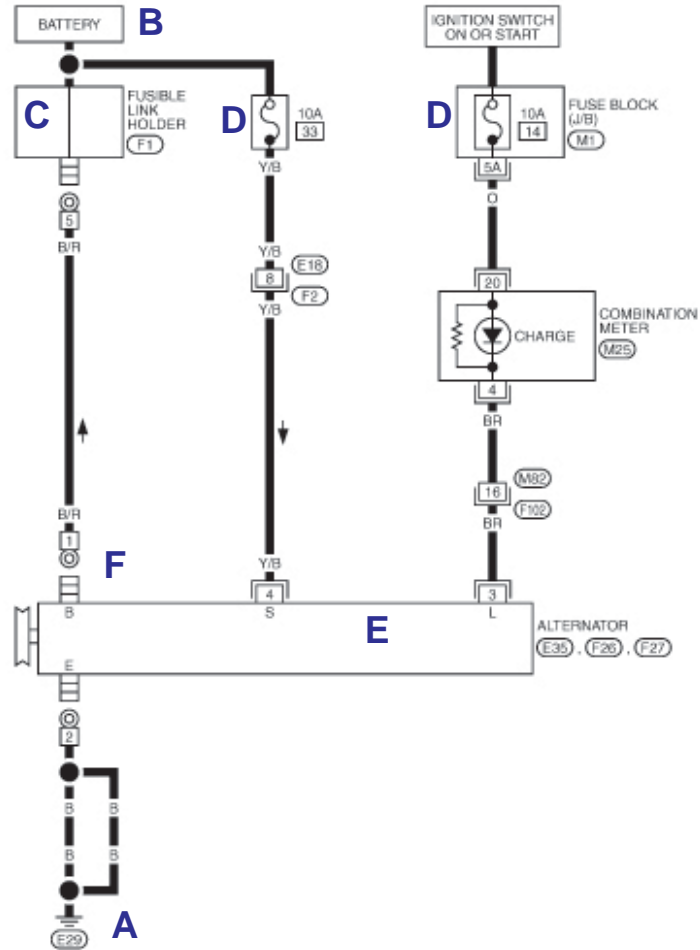
Greg Stuart
Engineering Manager

Typical Wiring Diagram:

2002 - 2004 Infinity I35 3500cc
2002 - 2003 Nissan Maxima 3500cc



2002 - 2003 Nissan
1995 - 1996 Nissan Maxima 3000cc
1996 - 2000 Nissan Maxima SE 3000cc



Trouble shooting information:

- A. Check ground connections, must be tight and corrosion free. Check for voltage drops in ground circuit.
- B. Check battery positive connection, must be tight and corrosion free.
- C. Check connections across the fusible link. Check for voltage drop across fusible link.
- D. Check fuses in Fuse block, fuse and fuselink box.
- E. Check for voltage at alternator plug, Key on Engine off, voltage on "S" (Y/B) and "L" (W/R).
- F. Check battery connection to alternator, must be tight and corrosion free.

HOT STUFF

DOA148 pulley diameter

We recently received a call from an installing shop regarding PPR PN DOA148, which fits 2002 through 2005 Kia Sedona mini-vans. Sedonas manufactured before February 28, 2003 were found to sometimes experience discharged batteries under the following conditions:

1. High ambient temperatures for extended time periods.
2. Low engine idle speed with A/C and other electrical loads for extended time periods.

This often results in a failure of the vehicle to be restarted on its own. A technical service bulletin was issued by Kia in May 2003. Actions taken by Kia on vehicles with this problem include installation of a battery heat cover, and revision of the ECM battery compensation values, and installing an alternator with a smaller pulley.

While PPR does not provide the heat cover, or the ECM revisions, we DO supply the alternator with the 55mm diameter pulley. The early production alternators used a 65mm pulley. **The technical service bulletin states that a change in drive belt size is not needed.**

Upon customer request, we can supply a copy of the technical service bulletin (Kia TSB 3EN010) to you. It is lengthy (16 pages) as it also covers the installation steps for all involved items. We can fax it, or send in via email as an attached pdf file. To request the TSB, contact PPR's engineering department.

