

Source: Leece-Neville Heavy Duty Systems Division - Arcade, NY USA
 Date: June 27, 2017
 Bulletin No: TSB-1010
 Models: 2500, 2670, 2800, 4800 series of alternators
 Subject: Regulator change 102200 to 103450

Revised to include model numbers affected.

The new regulator R213103450 has replaced the current regulator R213102200 in the Leece-Neville alternators that have A/C excite, to solve the high turn-on speed problem. The 102200 regulator will still be offered in the aftermarket through Leece-Neville.

When replacing regulator 102200 with the new regulator 103450 you can order kit number 103450S.

This Kit contains:

- (1) 103450 - Regulator
- (1) 101711 - Brush holder
- (1) 79031 - Gasket
- (4) 96668 - Mounting screw
- (1) 95076 - Lead Assembly
- (1) 95080 - Lead Assembly
- (2) 77650 - Brushes

1. On alternator, remove hardware from output studs and disconnect regulator lead (Fig. 1).

1a. Remove 3 alternator through bolts. Remove front housing from alternator by tapping front housing adjusting ear and mounting foot lightly.

1b. Remove three nuts holding stator to rear housing, then remove stator (Fig. 2a).

1c. Remove screws holding regulator sense leads (95076,95080) to rectifier.

1d. Remove positive and negative studs.

1e. Remove regulator / brush assembly from alternator.

2. Assemble the leads to the 103450 regulator (Fig. 2b).

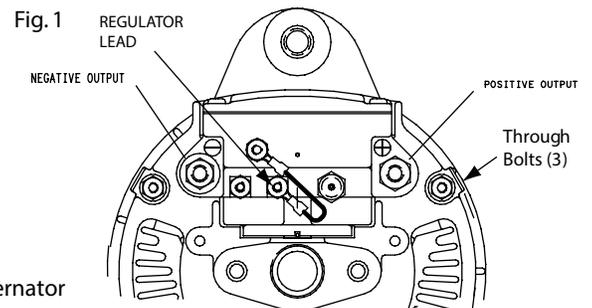


Fig.2a

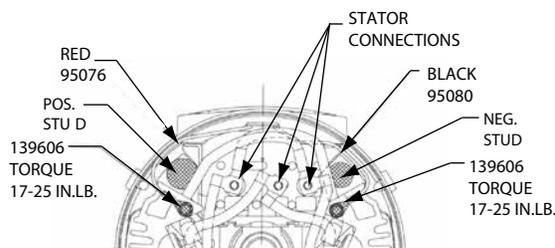
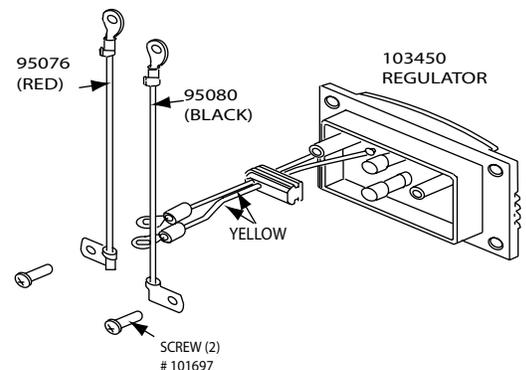


Fig.2b



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3. Assemble the regulator and leads to the brush holder, dress the leads grommet into the grommet slot of the holder (Fig.3). Secure regulator with screws.

3a. Note: Use caution not to pinch red and black (95076, 95080) leads when routing through regulator brush bay slots.

4. Remove nuts (#2313) from back of AC studs on old regulator/brush holder, remove studs from brush holder. Reassemble the AC studs to the new 103450 regulator/brush holder and tighten nuts.

4a. Install brushes. Make sure metal pad goes in first. Insert a pin to hold brushes in place.

5. Install the new regulator/brush holder assembly to alternator.

5a. Reverse procedure in steps 1d-1 to assemble alternator.

5b. Remove pin holding brushes.

6. Reassemble regulator leads (Fig.4).

Fig. 3

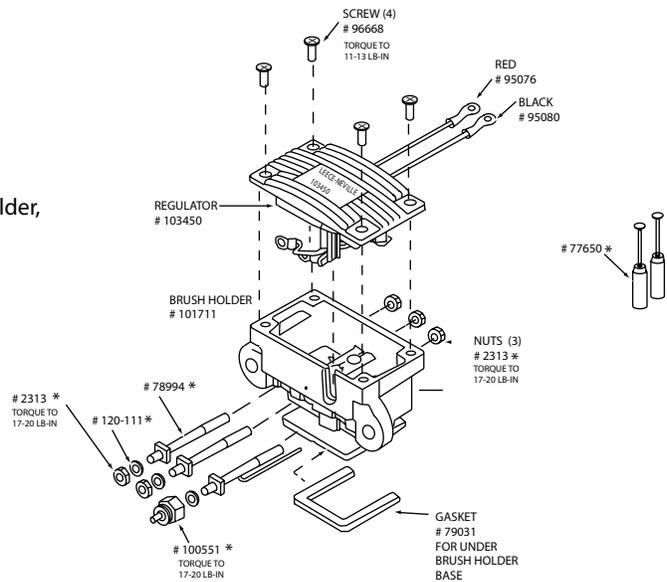
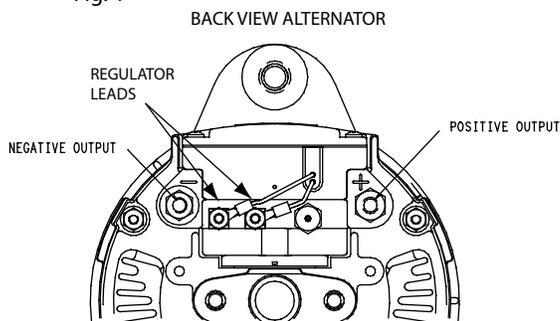
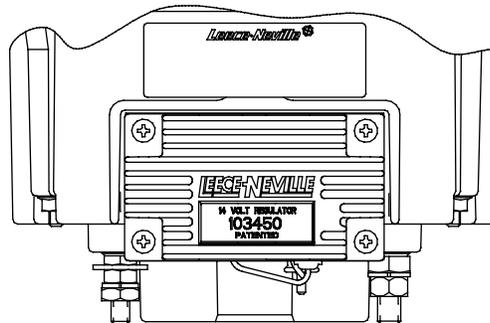


Fig. 4



TOP VIEW
ASSEMBLED REGULATOR



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Alternators and Parts that are affected by this regulator change:

MODEL NO.	DESCRIPTION		MODEL NO.	DESCRIPTION	
A001090775	14V 100A ALTERNATOR		A0012807LC	14V 145A ALTERNATO	R
A001090776	14V 130A ALTERNATOR		A0012813LC	14V 145A ALTERNATO	R
A001090778	14V 145A ALTERNATOR		A0012913LC	14V 160A ALTERNATO	R
A001090783	14V 100A ALTERNATOR		A0014830LC	14V 175A ALTERNATO	R
A001090784	14V 130A ALTERNATOR		A007103452	14V 175A ALTERNATO	R
A001090786	14V 145A ALTERNATOR		A007103460	REG & BRUSH HOLDER ASSY	
A001090787	14V 115A ALTERNATOR		A011101809	REG & BRUSH HOLDER ASSY	
A001090788	14V 115A ALTERNATOR		A011101923	REG & BRUSH HOLDER ASSY	
A001090795	14V 115A ALTERNATOR		A011101988	REG & BRUSH HOLDER ASSY	
A001090796	14V 115A ALTERNATOR		A011101994	REG & BRUSH HOLDER ASSY	
A001090798	14V 85A ALTERNATOR		A011102004	REG & BRUSH HOLDER ASSY	
A001090799	14V 85A ALTERNATOR		A011102025	REG & BRUSH HOLDER ASSY	
A001090806	ALTERNATOR PACKAG	E	A011102049	REG & BRUSH HOLDER ASSY	
A001090819	14V 115A ALTERNATOR		A011102223	REG & BRUSH HOLDER ASSY	
A001090821	14V 105A ALTERNATOR		A011102234	REG & BRUSH HOLDER ASSY	
A001090822	14V 105A ALTERNATOR		A011102236	REG & BRUSH HOLDER ASSY	
A001090825	14V 85A ALTERNATOR		A011102807	REG & BRUSH HOLDER ASSY	
A001090827	14V 100A ALTERNATO	R	A200101795	REG & BRUSH HOLDER ASSY	
A001090829	14V 115A ALTERNATOR		A200101796	REG & BRUSH HOLDER ASSY	
A001090831	14V 130A ALTERNATO	R	A200101797	REG & BRUSH HOLDER ASSY	
A001090833	14V 145A ALTERNATO	R	A200101798	REG & BRUSH HOLDER ASSY	
A0012360JC	ALTERNATO	R	A200101800	REG & BRUSH HOLDER ASSY	
A0012402LC	ALTERNATO	R	A200101931	REG & BRUSH HOLDER ASSY	
A0012500JC	ALTERNATO	R	A200101932	REG & BRUSH HOLDER ASSY	
A0012500LC	14V 105A ALTERNATO	R	A200101935	REG & BRUSH HOLDER ASSY	
A0012502LC	14V 100A ALTERNATO	R	A200101989	REG & BRUSH HOLDER ASSY	
A0012513LC	14V 105A ALTERNATO	R	A200101995	REG & BRUSH HOLDER ASSY	
A0012526LC	14V 105A ALTERNATO	R	A200102026	REG & BRUSH HOLDER ASSY	
A0012552LC	14V 105A ALTERNATO	R	A200102050	REG & BRUSH HOLDER ASSY	
A0012670LC	14V 130A ALTERNATO	R	A200102051	REG & BRUSH HOLDER ASSY	
A0012676LC	14V 115A ALTERNATO	R	A200102052	REG & BRUSH HOLDER ASSY	
A0012680LCF	14V 130A ALTERNATO	R	A200102224	REG & BRUSH HOLDER ASSY	
A0012700LC	14V 130A ALTERNATO	R	A200102235	REG & BRUSH HOLDER ASSY	
A0012702LC	14V 130A ALTERNATO	R	A200102237	REG & BRUSH HOLDER ASSY	
A0012800LC	14V 160A ALTERNATOR		A200102238	REG & BRUSH HOLDER ASSY	
A0012802LC	14V 160A ALTERNATO	R	A200102808	REG & BRUSH HOLDER ASSY	
A0012805LC	14V 145A ALTERNATO	R	R213103450S	REGULATOR KI	T
			R240103451	REGULATOR W/LEAD	S

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