

## SERVICE PARTS LIST

|        |                               |
|--------|-------------------------------|
| GROUP: | W                             |
| FORM:  | 3531-275, Rev. G2/95          |
| FILE:  | Alternator Parts List Section |
| DATE:  | February, 1995                |

| MODEL                   | VOLTS | AMPS |
|-------------------------|-------|------|
| Various<br>See<br>Chart |       |      |

### The Following Alternators Are Covered:

| Unit # | Volts | Output Amp | Unit # | Volts | Output Amp | Unit # | Volts | Output Amp |
|--------|-------|------------|--------|-------|------------|--------|-------|------------|
| 2300JB | 14    | 65         | 2400JB | 14    | 80         | 2670JB | 14    | 115/130    |
| 2301JB | 28    | 20         | 2490JB | 14    | 90         | 2700JB | 14    | 130        |
| 2302JB | 37.5  | 60         | 2500JB | 14    | 100/105    | 2800JB | 14    | 160        |
| 2303JB | 28    | 45         | 2509JB | 28    | 60         | 2802JB | 14    | 160        |
| 2304JB | 28    | 65         | 2511JB | 28    | 90         | 2803JB | 14    | 145        |
| 2360JB | 14    | 75         | 2526JB | 14    | 108        | 2805JB | 14    | 145        |
|        |       |            | 2600JB | 14    | 105        |        |       |            |

### Listing of Packages Covered:

| Package # | Basic Unit #* | Package # | Basic Unit #* | Package # | Basic Unit #* | Package # | Basic Unit #* |
|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|
| 90514     | 2300JB        | 90557     | 2700JB        | 90649     | 2700JB        | 90718     | 2300JB        |
| 90515     | 2500JB        | 90558     | 2500JB        | 90650     | 2500JB        | 90719     | 2670JB        |
| 90516     | 2600JB        | 90562     | 2800JB        | 90656     | 2600JB        | 90724     | 2670JB        |
| 90517     | 2700JB        | 90568     | 2509JB        | 90661     | 2600JB        | 90725     | 2700JB        |
| 90521     | 2300JB        | 90569     | 2360JB        | 90666     | 2805JB        | 90726     | 2670JB        |
| 90522     | 2500JB        | 90570     | 2300JB        | 90668     | 2600JB        | 90727     | 2670JB        |
| 90523     | 2600JB        | 90571     | 2500JB        | 90670     | 2805JB        | 90738     | 2500JB        |
| 90524     | 2700JB        | 90572     | 2670JB        | 90676     | 2300JB        | 90739     | 2500JB        |
| 90546     | 2700JB        | 90573     | 2700JB        | 90677     | 2500JB        | 90741     | 2360JB        |
| 90547     | 2300JB        | 90574     | 2805JB        | 90678     | 2700JB        | 90742     | 2500JB        |
| 90548     | 2500JB        | 90575     | 2800JB        | 90682     | 2500JB        | 90743     | 2670JB        |
| 90549     | 2600JB        | 90595     | 2600JB        | 90686     | 2800JB        | 90744     | 2670JB        |
| 90550     | 2700JB        | 90596     | 2805JB        | 90591     | 2300JB        | 90749     | 2300JB        |
| 90552     | 2500JB        | 90604     | 2500JB        | 90695     | 2800JB        | 90752     | 2670JB        |
| 90553     | 2600JB        | 90635     | 2800JB        | 90696     | 2300JB        | 90753     | 2500JB        |
| 90555     | 2500JB        | 90637     | 2500JB        | 90697     | 2500JB        | 90763     | 2670JB        |
| 90556     | 2600JB        | 90648     | 2500JB        | 90710     | 2300JB        |           |               |

These are packages supplied for specific original equipment applications. Use parts list for basic alternator indicated. Only minor parts are different. The variations are shown on page 3.

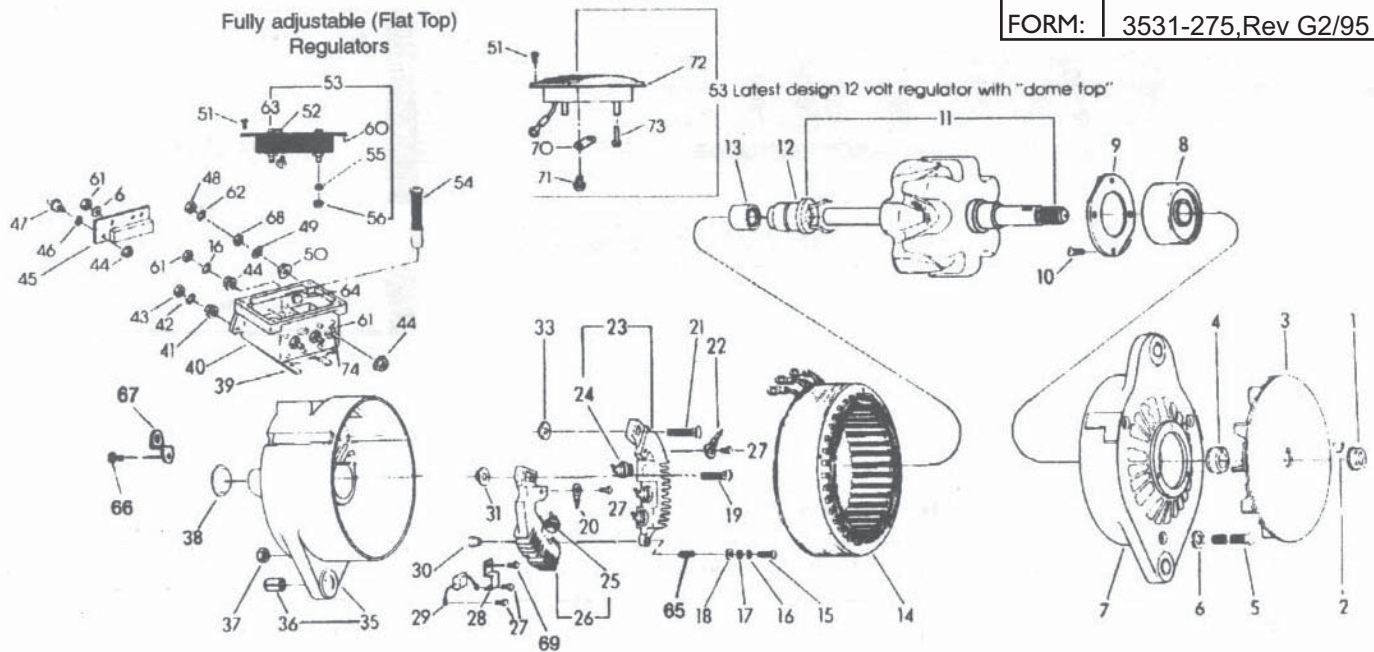
\*This number is also found on alternator nameplate under the "Service Parts Type No." heading.

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|        |                     |
|--------|---------------------|
| GROUP: | W                   |
| FORM:  | 3531-275, Rev G2/95 |



**Parts - Not Common**

| Ref. No.    | 7          | 11       | 14      | ★19              | 21               | 23                | 26                | 35➤             | 40‡           | 53      |
|-------------|------------|----------|---------|------------------|------------------|-------------------|-------------------|-----------------|---------------|---------|
| Description | *D.E. Hsg. | *Rotor   | *Stator | Term. Screw Pos. | Term. Screw Neg. | *Neg. Rect. Assy. | *Pos. Rect. Assy. | *S.R.E. Housing | *Holder Assy. | *Reg.   |
| Qty.        | 1          | 1        | 1       | 1                | 1                | 1                 | 1                 | 1               | 1             | 1       |
| 2300J       | 78983\$    | 79011    | 78989\$ | 78997\$          | 71197\$          | 71181\$           | 71180\$           | 79022\$         | 79030\$       | 79000\$ |
| 2301J       | 71225      | 79356    | 79354   | 78997\$          | 71197\$          | 71191             | 71190             | 71222           | 79030\$       | 99400   |
| 2302J       | 71225      | 79713    | 79712   | 78997\$          | 71197\$          | 71191             | 71190             | 71222           | 79030\$       | 97050   |
| 2303J       | 71225      | 97547    | 97545   | 78997\$          | 71197\$          | 71191             | 71190             | 71222           | 79030\$       | 99400   |
| 2304J       | 78983\$    | 97547    | 97545   | 78997\$          | 71197\$          | 71191             | 71190             | 79022\$         | 79030\$       | 79350   |
| 2360J       | 78983\$    | 97608    | 97606   | 78997\$          | 71197\$          | 71181\$           | 71180\$           | 79022\$         | 79030\$       | 79000\$ |
| 2400J       | 78983\$    | 100199\$ | 95006   | 78997\$          | 71197\$          | 71181\$           | 71180\$           | 79022\$         | 79030\$       | 79000\$ |
| 2490J       | 78983\$    | 100199\$ | 95006   | 78997\$          | 71197\$          | 71181\$           | 71180\$           | 79022\$         | 79030\$       | 100650  |
| 2500J       | 78983\$    | 100199\$ | 100195  | 78997\$          | 71197\$          | 71181\$           | 71180\$           | 79022\$         | 79030\$       | 79000\$ |
| 2509J       | 71225      | 79575    | 78649   | 78997\$          | 71197\$          | 71191             | 71190             | 71222           | 79030\$       | 99400   |
| 2511J       | 78983\$    | 79575    | 97833   | 78997\$          | 71197\$          | 78753             | 78752             | 79022\$         | 79030\$       | 79350   |
| 2526J       | 78983\$    | 100199\$ | 77339   | 78997\$          | 71197\$          | 71181\$           | 71180\$           | 79022\$         | 79030\$       | 100650  |
| 2600J       | 78983\$    | 100199\$ | 77339   | 78997\$          | 71197\$          | 71181\$           | 71180\$           | 79022\$         | 79030\$       | 79000\$ |
| 2670J       | 78983\$    | 100199\$ | 100159  | 78997\$          | 71197\$          | 79415             | 79193             | 79022\$         | 79030\$       | 79000\$ |
| 2700J       | 78983\$    | 79192    | 77792   | 78997\$          | 71197\$          | 79415             | 79193             | 79022\$         | 79030\$       | 79000\$ |
| 2800J       | 78983\$    | 79192    | 97078   | 97086            | 97086            | 97085             | 97084             | 71223           | 71224         | 100650  |
| 2802J       | 78983\$    | 79192    | 97078   | 97086            | 97596            | 97085             | 97084             | 95002           | 97082         | 100650  |
| 2803J       | 78983\$    | 79192    | 97561   | 97086            | 97596            | 97085             | 97084             | 95002           | 97082         | 100650  |
| 2805J       | 78983\$    | 79192    | 97561   | 97086            | 97086            | 97085             | 97084             | 71223           | 71224         | 100650  |

\* Recommended Spare Parts

★ See Page 3 for Ref. No. 19, as used in packages

§ Items included in service parts assortment #50051

‡ Ref. No. 40 (Holder Assy.) Includes Ref. Nos. 61 and 74

➤ SRE Housing includes Roller Bearing (Ref. #13), and Slideable Bushing (Ref. #36)

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|        |                     |
|--------|---------------------|
| GROUP: | W                   |
| FORM:  | 3531-275, Rev G2/95 |

| Ref. No. | Part No. | Qty. | Description                                               | Ref. No. | Part No. | Qty. | Description                                                    |
|----------|----------|------|-----------------------------------------------------------|----------|----------|------|----------------------------------------------------------------|
| 1        | 76985\$  | 1    | Nut, 5/8-18 Hex. Flange                                   | 43       | 2364     | 1    | Nut, Hex. 5/16-18                                              |
| 2        | 6399\$   | 1    | Key, No. 8 Woodruff                                       | 44       | 79024\$  | 5    | Nut, 10-32 Tenz                                                |
| 3        | *79035\$ | 1    | Fan Assembly (Note 5)                                     | 45       | *79027\$ | 1    | Diode Trio                                                     |
| 4        | 59225\$  | 1    | Spacer, Fan (Note 5)                                      | 46       | 29968    | 1    | Lockwasher, #10 Ext. S'proof                                   |
| 5        | 78991\$  | 3    | Screw, 10-32 x 5.38" Hex.                                 | 47       | *79036   | 1    | Terminal Assembly                                              |
| 6        | *75451\$ | 6    | Washer, Belleville                                        | 48       | 2364     | 1    | Nut, 5/16-18 (2800J & 2805J only)                              |
| 8        | *35624\$ | 1    | Bearing                                                   | 48       | 2771\$   | 1    | Nut, 1/4-20 Hex.                                               |
| 9        | *59234\$ | 1    | Retainer Bearing                                          | 49       | 62394    | 1    | Plain Washer (2800J & 2805J only)                              |
| 10       | 58754\$  | 4    | Screw, 10-32 x .44" Fl. Hd.                               | 49       | 26228    | 1    | Plain Washer                                                   |
| 12       | 71189    | 1    | Slip Ring                                                 | 50       | 73009\$  | 1    | Nut, 5/16-18 (2800J & 2805J only)                              |
| 13       | *78625\$ | 1    | Roller Bearing                                            | 50       | 59982\$  | 1    | Nut, 1/4-20                                                    |
| 15       | 6423     | 2    | Screw (2800J, 2802J, 2803J, & 2805J only)                 | 51       | 96668\$  | 4    | Screw, 8-32 x .44" Pan Hd.                                     |
| 15       | 100550   | 2    | Screw, 10-32 x .75" (except 2800J, 2802J, 2803J, & 2805J) | 52       | 97287\$  | 1    | Plug, Nylon Screw (See Note 3)                                 |
| 16       | 2434     | 3    | Lockwasher, #10 (2800J, 2802J, 2803J, & 2805J)            | 54       | *77650\$ | 2    | Brush                                                          |
| 17       | 5291     | 2    | Washer, Guard (2800J, 2802J, 2803J, & 2805J)              | 55       | 74133    | 2    | Lockwasher, #6 (See Note 3)                                    |
| 18       | 13657\$  | 2    | Washer, Insulation                                        | 56       | 79394    | 2    | Nut, 6-32 Hex. (See Note 3)                                    |
| 20       | *79029   | 1    | Lead Assembly (+)                                         | 60       | 97706\$  | 1    | Regulator Gasket (See Note 3)                                  |
| 22       | *79028   | 1    | Lead Assembly (-)                                         | 61       | 2313     | 7    | Nut, 10-32 Hex. St.                                            |
| 27       | 73543    | 4    | Screw, 6-32 Hex. Hd. S'tap                                | 62       | 3231     | 1    | Lockwasher, 5/16" (2800J & 2805J only)                         |
| 28       | 73760    | 1    | Clamp (See Note 2)                                        | 62       | 2523     | 1    | Lockwasher, 1/4"                                               |
| 29       | *96545\$ | 1    | Capacitor (See Note 2)                                    | 63       | 78527    | 2    | Protector Cap (See Note 3)                                     |
| 30       | *73547\$ | 2    | Bushing, Insulation                                       | 64       | 79033    | 1    | Screw, 10-32 Square Hd.                                        |
| 31       | *96851\$ | 1    | Bushing, Insulation                                       | 65       | 97087    | 2    | Bushing, Insulation (2670J, 2800J, 2802J, 2803J, & 2805J only) |
| 33       | *96851\$ | 1    | Bushing, Insulation (2800J & 2805 only)                   | 68       | 59040    | 1    | Nut, 5/16 Hex. St. (2800J & 2805J only)                        |
| 33       | *96850   | 1    | Bushing, Insulation                                       | 68       | 2771\$   | 1    | Nut, 1/4" Hex. St.                                             |
| 36       | *77916\$ | 1    | Bushing, Slideable                                        | 69       | 96031    | 1    | Screw, 10-32 S'Tap (See Note 2)                                |
| 37       | 26175\$  | 3    | Nut, 10-32 Elastic Stop                                   | 70       | 96257    | 1    | Strap (See Note 4)                                             |
| 38       | 78990\$  | 1    | Cap. Dust (Note 6) 2)                                     | 71       | 100110   | 2    | Screw, 6-32 x .32 Pan Hd. Sems (See Note 4)                    |
| 39       | *79031\$ | 1    | Gasket                                                    | 72       | 95086    | 1    | Gasket, Regulator (See Note 4)                                 |
| 41       | 73009    | 1    | Nut, 5/16-18 Tenz                                         | 73       | 100111   | 2    | Screw, 6-32 x .5" Pan Hd. Sems (See Note 4)                    |
| 42       | 3231     | 1    | Lockwasher, 5/16                                          | 74       | 78994    | 3    | Stud, Terminal                                                 |

\*Recommended Spare Parts  
\$Items included in Service Parts Assortment #50051

### NOTES:

- See Page 2.
- Capacitor #96545 (Ref. #29) requires two screws (Ref. #27). Old style capacitor (part #73541) also required clamp #73760 (Ref. #28) and screw Ref. #69 (or a 6-32 self tapping screw like Ref. #27).
- Ref. numbers: 52, 55, 56, 60, & 63 are used with "Flat Top" regulators. These parts are supplied with each regulator.
- Ref. numbers: 70, 71, 72, & 73 are used with "Dome Top" regulators. These parts are supplied with each regulator.
- Newer dies cast fans with 11/32" deep shaft bore do not require the use of fan spacer (Ref. #4). Older fans with 5/32" deep shaft bore must be used with fan spacer.
- Dust cap not used when new closed end roller bearing (Ref. #13) is used in the SRE Housing.

### PART VARIATIONS FOR PACKAGES

Alternators with a "Package Number" listed on the name plate may have slight variations in hardware. Refer to listing below for part numbers and descriptions.

| Ref. # | Part # | Description                     |
|--------|--------|---------------------------------|
| 19     | 79314  | Terminal screw 1/4" (positive)  |
| 41     | 59982  | Tenz Nut, 1/4-20                |
| 42     | 62394  | Lockwasher, 1/4"                |
| 43     | 2771   | Nut, 1/4"                       |
| 66     | 75348  | Screw (used on selected models) |
| 67     | 79377  | Strap (used on selected models) |

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|        |                     |
|--------|---------------------|
| GROUP: | W                   |
| FORM:  | 3531-275, Rev G2/95 |

**SUGGESTED INVENTORY FOR EACH 100 UNITS OPERATING IN YOUR AREA**  
(Parts are common to all units, unless Code Letter is shown)

| Unit          | Code | Unit            | Code |
|---------------|------|-----------------|------|
| 2300J 14 Volt | A    | 2360J 14 Volt   | G    |
| 2500J 14 Volt | B    | 2400J 14 Volt   | H    |
| 2526J 14 Volt | C    | 2490J 14 Volt   | I    |
| 2600J 14 Volt | C    | 2670J 14 Volt   | J    |
| 2700J 14 Volt | D    | 2301J 28 Volt   | L    |
| 2800J 14 Volt | E    | 2303J 28 Volt   | N    |
| 2802J 14 Volt | S    | 2304J 28 Volt   | P    |
| 2803J 14 Volt | T    | 2509J 28 Volt   | Q    |
| 2805J 14 Volt | F    | 2511J 28 Volt   | R    |
|               |      | 2302J 37.5 Volt | M    |

## PARTS FOR 14 VOLT UNITS

| Part # | Description         | Qty/Unit | Code        | Inv. | Part # | Description           | Qty/Unit | Code      | Inv. |
|--------|---------------------|----------|-------------|------|--------|-----------------------|----------|-----------|------|
| 6399   | Key                 | 1        |             | 20   | 79011  | Rotor                 | 1        | A         | 10   |
| 13657  | Insulation Washer   | 2        |             | 20   | 79022  | Housing Assy.         | 1        |           | 10   |
| 26175  | Nut, 10-32          | 3        |             | 30   | 79024  | Nut, 10-32            | 5        |           | 50   |
| 35624  | Bearing, DE         | 1        |             | 10   | 79027  | Diode Trio            | 1        |           | 10   |
| 58754  | Screw               | 4        |             | 40   | 79028  | Lead Assy. (-)        | 1        |           | 10   |
| 59225  | Fan Spacer          | 1        |             | 10   | 79029  | Lead Assy. (+)        | 1        |           | 10   |
| 59234  | Bearing Retainer    | 1        |             | 10   | 79030  | Brush & Reg. Holder   | 1        |           | 10   |
| 59708  | 1/4" Guard Washer   | 1        |             | 10   | 79031  | Gasket                | 1        |           | 10   |
| 59982  | Nut, 1/4"-20        | 1        |             | 20   | 79035  | Fan                   | 1        |           | 10   |
| 62394  | Lockwasher, 1/4"    | 1        |             | 20   | 79036  | Terminal (AC)         | 1        |           | 10   |
| 71180  | Rectifier Assy. (+) | 1        | A,B,C,G,H,I | 10   | 79043  | Screw, 8-32           | 4        |           | 40   |
| 71181  | Rectifier Assy. (-) | 1        | A,B,C,G,H,I | 10   | 79045  | Rotor                 | 1        | C,H,I     | 10   |
| 71189  | Slip Ring           | 1        |             | 5    | 79050  | Nut, 6-32             | 2        |           | 20   |
| 71197  | Terminal Screw (-)  | 1        |             | 10   | 96850  | Insulation Bushing    | 1        |           | 20   |
| 71223  | SRE Housing         | 1        | E,F         | 5    | 96851  | Insulation Bushing    | 1        |           | 20   |
| 71224  | Holder Assembly     | 1        | E,F         | 5    | 79192  | Rotor                 | 1        | D,E,F,S,T | 10   |
| 73009  | Nut, 5/16-18        | 1        |             | 20   | 79193  | Rectifier Assy. (+)   | 1        | D,J       | 10   |
| 73543  | Screw               | 5        |             | 50   | 79314  | Term. Screw (Special) | 1        |           | 10   |
| 73547  | Insulation Bushing  | 2        |             | 40   | 79415  | Rectifier Assy. (-)   | 1        | D         | 10   |
| 73760  | Clamp               | 1        |             | 10   | 95006  | Stator                | 1        | H,I       | 10   |
| 74133  | Lockwasher          | 2        |             | 30   | 96545  | Capacitor             | 1        |           | 20   |
| 75451  | Belleville Washer   | 6        |             | 60   | 97078  | Stator                | 1        | E,J       | 5    |
| 76985  | Shaft Nut           | 1        |             | 10   | 97084* | Rectifier Assy.       | 1        | E,F,S,T   | 5    |
| 100195 | Stator              | 1        | B*          | 10   | 97085* | Rectifier Assy.       | 1        | E,F,S,T   | 5    |
| 77339  | Stator              | 1        | C           | 10   | 97086  | Terminal Screw        | 2        | E,F,S,T   | 10   |
| 77650  | Brush               | 2        |             | 50   | 97287  | Nylon Screw           | 1        |           | 10   |
| 77792  | Stator              | 1        | D           | 10   | 97561  | Stator                | 1        | F,T       | 5    |
| 77916  | Slideable Bushing   | 1        |             | 10   | 97596  | Terminal Screw        | 1        | S,T       | 10   |
| 78527  | Protective Cap      | 2        |             | 20   | 97606  | Stator                | 1        | G         | 10   |
| 78625  | Bearing, SRE        | 1        |             | 20   | 97608  | Rotor                 | 1        | G         | 10   |
| 78983  | Housing, DE         | 1        |             | 10   | 100159 | Stator                | 1        | J         | 5    |
| 78989  | Stator              | 1        | A           | 10   | 100195 | Stator                | 1        | B         | 10   |
| 78991  | Screw               | 3        |             | 30   | 100199 | Rotor                 | 1        | B         | 10   |
| 78997  | Terminal Screw (+)  | 1        |             | 10   | 100650 | Regulator             | 1        | E,F,I,S,T | 5    |
| 79000  | Regulator           | 1        |             | 20   | 95002  | Housing, SRE          | 1        | S,T       | 10   |
|        |                     |          |             |      | 97082  | Brush Holder Assy     | 1        | S,T       | 10   |

## PARTS FOR 28 & 37.5 VOLT UNITS

| Part # | Description         | Qty/Unit | Code      | Inv. | Part # | Description           | Qty/Unit | Code  | Inv. |
|--------|---------------------|----------|-----------|------|--------|-----------------------|----------|-------|------|
| 71190  | Rectifier Assy. (+) | 1        | L,M,N,P,Q | 5    | 79356  | Rotor                 | 1        | L     | 5    |
| 71191  | Rectifier Assy. (-) | 1        | L,M,N,P,Q | 5    | 79575  | Rotor                 | 1        | Q,R   | 5    |
| 71222  | SRE Housing         | 1        | L,M,N,Q   | 5    | 79712  | Stator                | 1        | M     | 5    |
| 71225  | DE Housing          | 1        | L,M,N,Q   | 5    | 79713  | Rotor                 | 1        | M     | 5    |
| 78649  | Stator              | 1        | Q         | 5    | 97050  | Regulator (37.5 Volt) | 1        | M     | 5    |
| 78752  | Rectifier Assy. (+) | 1        | R         | 5    | 97545  | Stator                | 1        | N,P   | 5    |
| 78753  | Rectifier Assy. (-) | 1        | R         | 5    | 97547  | Rotor                 | 1        | N,P   | 5    |
| 79350  | Regulator (24 Volt) | 1        | P,R       | 5    | 97833  | Stator                | 1        | R     | 5    |
| 79354  | Stator              | 1        | L         | 5    | 99400  | Regulator (28 Volt)   | 1        | L,N,Q | 5    |

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