

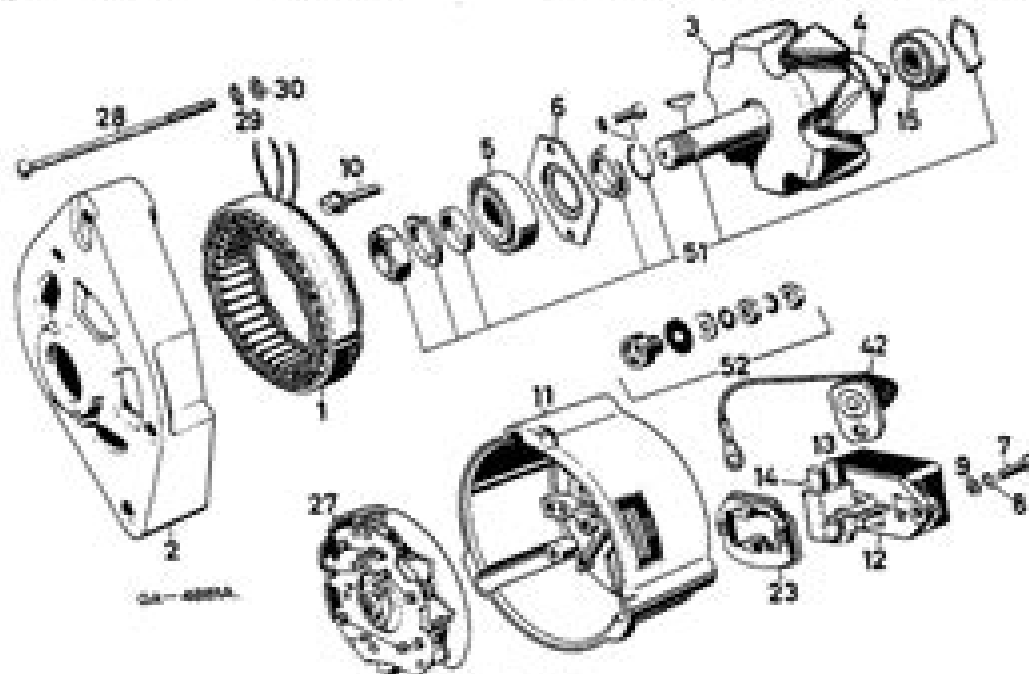
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- SEC 9905 XL Control Centre

General

The following alternator and regulator assemblies have been fitted to meet power requirements with various engine applications.

*1) Q1-14V 28A 22	3 144 924 R01
*1) Q1-14V 28A 22	3 144 907 R01
*1) Q1-14V 33A 27	3 218 239 R01
*1) Q1-14V 33A 27	3 218 577 R01
*2) K1-14V 35A 20	3 139 412 R01
*2) K1-14V 55A 20	3 139 172 R01
*3) K1-14V 55A 20	3 218 544 R01
*3) K1-28V 27A 23	3 218 884 R01
*4) K1-28V 27A 23	3 144 930 R01
*3) K1-28V 45A 27	3 144 958 R02

- *1) With piggy-back transistorized voltage regulator and load dump diode (system protection).
- *2) With separate one-element-two contact voltage regulator.
- *3) With piggy-back transistorized voltage regulator and capacitor.
- *4) With piggy-back transistorized voltage regulator.



Illustr. 12
"Q1" alternator, with piggy-back voltage regulator and load dump diode

- | | | |
|---------------------|--|--------------------------|
| 1 - Stator | 9 - Washer | 27 - Diode plate |
| 2 - Drive end frame | 10 - Screw | 28 - Screw |
| 3 - Rotor | 11 - Slip ring end frame | 29 - Lock washer |
| 4 - Slip rings | 12 - Piggy-back voltage regulator assy | 30 - Washer |
| 5 - Ball bearing | 13 - Brush set | 42 - Load dump diode |
| 6 - Retainer plate | 14 - Brush holder | 51 - Rotor parts, set |
| 7 - Screw | 15 - Ball bearing | 52 - Terminal parts, set |
| 8 - Lock washer | 23 - Gasket | |

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ML Morrison

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the ML Morrison text.

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web the minimum number of teeth required on pinion in order to avoid the interference were computed using following relation $z_2 \geq \frac{2}{\sin^2 \phi}$ eq 1 substituting values in above equation minimum number of teeth on pinion are 18 standard gear ratio for rack and pinion 1.5 therefore no of teeth on rack 18 1.5 27 3 3 selection of

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used for these calculations are available in this pdf results machine cycle duration t cycle s cycles per minute z required torque on pinion adjusted for service factor t $2ka$ n m buttons

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