

FIAT SERVICE LETTER

SUBJECT: MARELLI ALTERNATOR
VEHICLE: 128 SEDAN, COUPE - X1/9

GENERAL INFORMATION:

The factory is installing a certain percentage of 1974 - 128 models with a Marelli alternator A 108-14B-33A in alternative with the Bosch G1-14V.

The Marelli alternator and voltage regulator specifications are attached for your information.

WARRANTY INFORMATION:

When repairing or replacing a Marelli alternator in warranty, you must follow the same procedure as with any other regular Fiat part. File a regular warranty claim and hold the Marelli alternator, properly tagged, for inspection by our field service representative.

With regard to Bosch alternators, the procedure has been changed. In case of failure, the assembly must be sent to your Fiat Warehouse along with the complete claim. The earlier policy was to mail the Bosch unit to the warehouse along with only the green copy of the claim.

You must write on the box "Warranty Bosch Parts" so the warehouse can properly identify the content and expedite the processing of the claim.

READ, INITIAL AND PASS ON

Service Manager	Parts Manager	Service Writer	Technician			

ALTERNATOR

Type.....	Magneti Marelli A108 - 14V - 33A 12V 1100 + 50 r.p.m.
Rated Voltage.....	
Cut-in speed at 12 V (77° - 25° C).....	
Current output at 14V, 700 r.p.m. and at thermal rate, not less than.....	33A 40A
Maximum current output, about.....	
Maximum speed, steady.....	14.000 r.p.m.
Field winding resistance at 68° F (20° C).....	4 to 4.4 Ohm
Rotation, drive end.....	clockwise
Drive ratio, engine to alternator.....	1/2

VOLTAGE REGULATOR AND ADJUSTMENT

Type.....	Bosch AD1/14V 4000 to 5000 r.p.m. 45A/h 0.8 to 1 A 14.2 + 0.4, V 2 to 2.2 A
Alternator speed for test and adjustment.....	
Battery capacity, about.....	
2nd stage test current.....	
2nd stage voltage setting.....	
1st stage test current.....	
1st stage voltage setting, lower than the 2nd stage one by.....	0.2 to 0.7 V
Resistance across + (positive) and ground at 77° + 18° F - (25° + 10° C).....	85 + 4.5 Ohm