12-1 CHARGING SYSTEM

2001 F53 For diagnostic HOT IN START OR RUN **FUSE FUSE** information, C133 **LINK A** Iga LINK B **BATTERY** GΑ refer to Section 13-1 **JUNCTION** 13-1 G **STARTER** G R R BOX 414-00 of the **MOTOR RELAY** A Y Α 5A 13-9 20-1 Workshop **SEE POWER** Manual. 1044 NH/YE DISTRIBUTION 290 GY 38 S109 2037 RD BK/OG C200M 292 BN With voltage applied, generator is acti-C200F vated, allowing current to flow from sense **FUSE** LINK C A circuit to generator field coil. Generator WH/YE 1044 13-1 **BATTERY** generates an AC output which is con-R O verted to a DC output by a rectifier assem-12V (START OR RUN) C250a W N bly internal to generator, and is supplied to vehicle through the B+ terminal. S (stator) INSTRUMENT CLUSTER circuit is used to feed back a voltage sig-292 BN CHARGE 60-2 nal from generator to regulator, this volt-**INDICATOR** S108 age (typically half battery voltage), is used by regulator to turn off indicator. 35 OG/LB C153a C179 12V C250a GENERATOR B+ 904 LG/RD C200F SEE GROUNDS C200M 10-1 **STATOR** C153b S 904 LG/RD C141F G103 C141M WH/BK S C153a 904 LG/RD **FIELD** SENSING AND C112F C112M 904 **SWITCHING CIRCUIT** LG/RD REGULATOR

Refer to Location Index, Cell 152, for Component, Connector, Splice, Ground and Base Part Number descriptions and locations.