

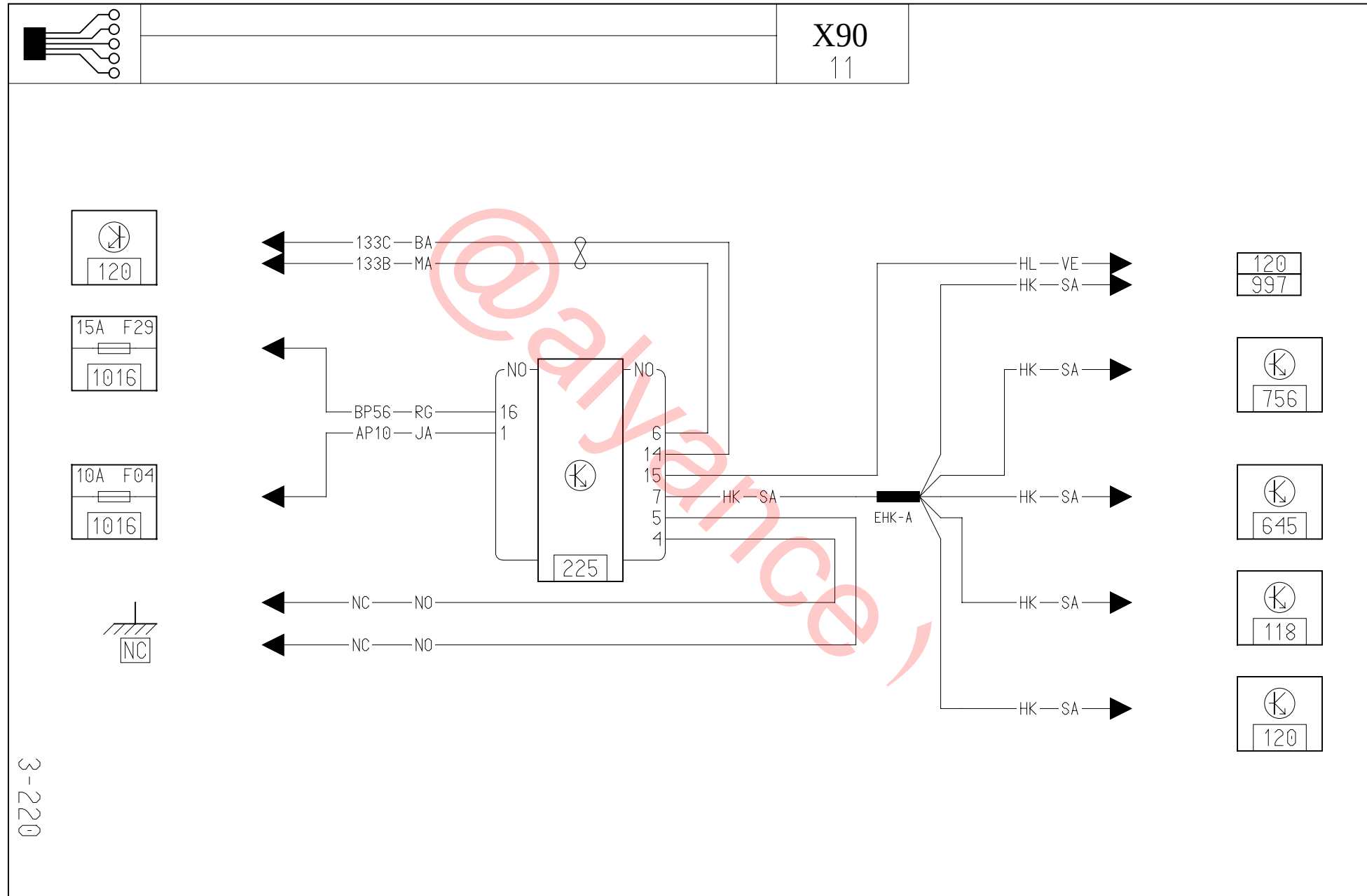
## و-رنگها

رنگ های مدارهای اصلی:

|      |                                                 |
|------|-------------------------------------------------|
| قرمز | برق ۱۲ + ولت دائم (قبل از سویچ موتور)           |
| زرد  | برق ۱۲ + ولت بعد از سویچ یا تغذیه تجهیزات جانبی |
| آبی  | ارتباط بین اجزاء                                |
| مشکی | اتصال بدنه مستقیم                               |

همچنین رنگ های زیر جهت سایر سیم ها و کانکتورها مورد استفاده قرار می گیرد.

|       |    |         |    |         |    |
|-------|----|---------|----|---------|----|
| قرمز  | RG | زرد     | JA | سفید    | BA |
| صورتی | SA | قهوه ای | MA | آبی     | BE |
| سبز   | VE | مشکی    | NO | پژ      | BJ |
| بنفش  | VI | نارنجی  | OR | بیرنگ   | CY |
|       |    |         |    | خاکستری | GR |



3-220

| CONNECTION CODES | CONNECTION TITLES                            |
|------------------|----------------------------------------------|
| NAP              | TUNNEL ELECTRONIC EARTH                      |
| NC               | LEFT-HAND A-PILLAR ELECTRICAL EARTH          |
| NF               | ENGINE EARTH                                 |
| NH               | ENGINE EARTH                                 |
| R                | MAIN BEAM HEADLIGHTS +                       |
| RPD              | RIGHT HAND PROTECTED MAIN BEAM HEADLIGHT +   |
| RPG              | LEFT HAND PROTECTED MAIN BEAM HEADLIGHT +    |
| S                | + ACCESSORIES FEED                           |
| S1               | + ACCESSORIES FEED THROUGH RELAY             |
| SP1              | PROTECTED + ACCESSORIES > ENGINE COOLING FAN |
| SP2              | PROTECTED + ACCESSORIES > RADIO              |
| SP3              | PROTECTED + ACCESSORIES > HEATER             |
| TB1              | PINKING SENSOR SCREENING BRAID               |

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| CONNECTION CODES | CONNECTION TITLES                                                 |
|------------------|-------------------------------------------------------------------|
| AP12             | PROTECTED + AFTER IGNITION HEATED REAR SCREEN FUSE                |
| AP22             | PROTECTED + AFTER IGNITION HEATED SEAT FUSE                       |
| AP23             | PROTECTED + AFTER IGNITION VARIABLE POWER ASSISTED STEERING FUSE  |
| AP29             | PROTECTED + AFTER IGNITION ENGINE FUNCTION FUSE                   |
| AP30             | PROTECTED + AFTER IGNITION PASSENGER ELECTRIC WINDOW FUSE         |
| AP39             | PROTECTED + AFTER IGNITION DRIVER'S ELECTRIC WINDOW FUSE          |
| AP5              | PROTECTED + AFTER IGNITION ANTI-LOCK BRAKING SYSTEM FUSE          |
| AP7              | PROTECTED + AFTER IGNITION WINDSCREEN WIPER FUSE                  |
| B                | + BATTERY FEED                                                    |
| BC               | + BATTERY FEED VIA RELAY VIA CIRCUIT BREAKER                      |
| BP1              | PROTECTED + BATTERY FEED > AIR CONDITIONING                       |
| BP11             | PROTECTED + BATTERY FEED > PASSENGER COMPARTMENT 1                |
| BP13             | PROTECTED + BATTERY FEED > PASSENGER COMPARTMENT 3                |
| BP14             | PROTECTED + BATTERY FEED > ABS                                    |
| BP15             | PROTECTED + BATTERY FEED HEATED REAR SCREEN                       |
| BP16             | PROTECTED + BATTERY FEED > ADDITIONAL HEADLIGHTS                  |
| BP17             | PROTECTED + BATTERY FEED > INJECTION PRE-HEATER                   |
| BP3              | PROTECTED + BATTERY FEED ELECTRIC DOOR LOCKING FUSE               |
| BP35             | PROTECTED + BATTERY FEED PRE-HEATER UNIT FUSE                     |
| BP36             | PROTECTED + BATTERY FEED > AUTOMATIC CLUTCH PUMP UNIT             |
| BP37             | PROTECTED + BATTERY FEED > INJECTOR MEMORY > LOCKING              |
| BP38             | PROTECTED + BATTERY FEED > INJECTOR LOCKING                       |
| BP56             | + FUSE PROTECTOR BATTERY > COMPUTER                               |
| BP7              | PROTECTED + BATTERY FEED > FAN FUSE 1                             |
| BP88             | ABS HYDRAULIC UNIT FUSE PROTECTED + BATTERY FEED                  |
| BP9              | PROTECTED + BATTERY FEED ADDITIONAL HEATER FUSE                   |
| BPT              | PROTECTED + BATTERY FEED TIMER                                    |
| CPD              | PROTECTED RIGHT HAND DIPPED BEAM HEADLIGHT +                      |
| CPG              | PROTECTED LEFT HAND DIPPED BEAM HEADLIGHT +                       |
| CSO              | SINGLE DIPPED BEAM HEADLIGHTS +                                   |
| D                | STARTER +                                                         |
| H1               | HANDBRAKE WARNING LIGHT - CONTROL > BRAKE FLUID LEVEL             |
| H17              | PETROL INJECTION > DIESEL > ENGINE IMMOBILISER CODE SIGNAL        |
| H66P             | REVERSING LIGHTS + CONTROL                                        |
| H7               | REV COUNTER > TOP DEAD CENTRE > COIL > COMPUTER ALTERNATOR SIGNAL |
| HK               | DIAGNOSTIC SIGNAL K                                               |
| HL               | DIAGNOSTIC SIGNAL L                                               |
| L                | SIDE LIGHTS +                                                     |
| LPD              | PROTECTED RIGHT HAND SIDE LIGHT +                                 |
| LPG              | PROTECTED LEFT HAND SIDE LIGHT +                                  |
| M                | EARTH                                                             |
| MA               | FRONT RIGHT-HAND ELECTRICAL EARTH                                 |
| MAH              | ANTI-LOCK BRAKING SYSTEM ELECTRICAL EARTH                         |
| MAK              | ADDITIONAL HEATING ELECTRICAL EARTH                               |
| MAM              | DASHBOARD LEFT-HAND CROSS MEMBER ELECTRICAL EARTH                 |
| MAN              | DASHBOARD RIGHT-HAND CROSS MEMBER ELECTRICAL EARTH                |
| MB               | FRONT LEFT-HAND ELECTRICAL EARTH                                  |
| MF               | REAR RIGHT-HAND ELECTRICAL EARTH                                  |
| MG               | REAR LEFT-HAND ELECTRICAL EARTH                                   |
| MH               | ENGINE EARTH                                                      |
| ML               | BATTERY ELECTRICAL EARTH                                          |
| MS               | PUMP ASSEMBLY MOUNTING ELECTRICAL EARTH                           |
| MT               | RADIO ELECTRICAL EARTH                                            |

| CONNECTION CODES | CONNECTION TITLES                                                    |
|------------------|----------------------------------------------------------------------|
| 47Q              | OIL TEMPERATURE SENSOR + SIGNAL                                      |
| 49B              | FAN + CONTROL                                                        |
| 49C              | FAN RELAY + CONTROL                                                  |
| 4C               | LEFT HAND FRONT WHEEL SENSOR SIGNAL                                  |
| 4E               | LEFT HAND FRONT WHEEL SENSOR +                                       |
| 4G               | LEFT HAND REAR WHEEL SENSOR SIGNAL                                   |
| 4H               | LEFT HAND REAR WHEEL SENSOR +                                        |
| 4M               | RIGHT HAND FRONT WHEEL SENSOR SIGNAL                                 |
| 4N               | RIGHT HAND FRONT WHEEL SENSOR +                                      |
| 4S               | RIGHT HAND REAR WHEEL SENSOR SIGNAL                                  |
| 4T               | RIGHT HAND REAR WHEEL SENSOR +                                       |
| 4Y               | BRAKE FAULT WARNING LIGHT -                                          |
| 4Z               | ANTI-LOCK BRAKING SYSTEM WARNING LIGHT -                             |
| 5A               | BRAKE PEDAL SWITCH + SIGNAL                                          |
| 60A              | AIR BAG FAULT WARNING LIGHT -                                        |
| 60AF             | PASSENGER'S SIDE SATELLITE + SIGNAL                                  |
| 60AG             | DRIVER'S SIDE FRONT SATELLITE + SIGNAL                               |
| 60AH             | DRIVER'S SIDE SATELLITE - SIGNAL                                     |
| 60AJ             | PASSENGER'S SIDE FRONT SATELLITE - SIGNAL                            |
| 60AM             | LEVEL 1 DRIVER'S FRONT AIR BAG + CONTROL                             |
| 60AN             | LEVEL 1 DRIVER'S FRONT AIR BAG - CONTROL                             |
| 60AR             | DRIVER'S SIDE THORAX AIR BAG + CONTROL                               |
| 60AS             | - DRIVER'S SIDE THORAX AIR BAG CONTROL                               |
| 60BB             | PASSENGER'S SIDE THORAX AIR BAG + CONTROL                            |
| 60BC             | PASSENGER'S SIDE THORAX AIR BAG - CONTROL                            |
| 60CD             | AIRBAG OFF WARNING LIGHT CONTROL                                     |
| 60DS             | PASSENGER AIR BAG INHIBITOR KEY SIGNAL                               |
| 60DT             | - PASSENGER AIR BAG INHIBITOR KEY                                    |
| 60F              | DRIVER'S EUROBAG + SIGNAL                                            |
| 60G              | DRIVER'S EUROBAG - SIGNAL                                            |
| 60H              | PASSENGER EUROBAG + SIGNAL                                           |
| 60K              | PASSENGER'S FRONT AIR BAG LEVEL 1 - CONTROL                          |
| 60V              | PASSENGER AIR BAG + SIGNAL                                           |
| 60W              | PASSENGER AIR BAG - SIGNAL                                           |
| 64C              | LEFT HAND TURN SIGNAL LIGHTS CONTROL                                 |
| 64D              | RIGHT HAND TURN SIGNAL LIGHTS CONTROL                                |
| 64E              | TURN SIGNAL LIGHTS INDICATOR LIGHT + CONTROL                         |
| 64Q              | FLASHER UNIT TIMER - CONTROL                                         |
| 64S              | RIGHT HAND DIRECTION INDICATOR TIMER ON CONTROL > COMPUTER           |
| 64T              | LEFT HAND DIRECTION INDICATOR TIMER ON CONTROL > COMPUTER            |
| 65A              | BRAKE LIGHTS + CONTROL                                               |
| 67C              | HORN + CONTROL FUSE                                                  |
| 67CP             | HORN + CONTROL > FUSE                                                |
| 80T              | ENGINE IMMOBILISER WARNING LIGHT - CONTROL                           |
| 80X              | TRANSPONDER AERIAL BUS (INTERFACE) SIGNAL                            |
| 87H              | DRIVER'S 1st POSITION SWITCH - SIGNAL                                |
| 8A               | FOG LIGHTS RELAY +                                                   |
| 8B               | FRONT FOG LIGHTS + > RELAY                                           |
| 9J               | REAR FOG LIGHTS FUSE + CONTROL                                       |
| 9P               | PROTECTED REAR FOG LIGHTS + CONTROL                                  |
| A                | + AFTER IGNITION                                                     |
| AP1              | PROTECTED + AFTER IGNITION LEFT HAND FRONT>REAR ELECTRIC WINDOW FUSE |
| AP10             | PROTECTED + AFTER IGNITION BRAKE LIGHTS FUSE                         |

# LIST OF CONNECTIONS

ALYANCE:HAMID REZAI:TEL:۰۹۳۷۵۵۷۲۱۲۱

| CONNECTION CODES | CONNECTION TITLES                               |
|------------------|-------------------------------------------------|
| 3GR              | THROTTLE POTENTIOMETER + > TANK PRESSURE SENSOR |
| 3HI              | FUEL PRESSURE CONTROL SOLENOID VALVE - CONTROL  |
| 3JA              | ADDITIONAL HEATER 1 RELAY COIL CONTROL          |
| 3JAA             | ADDITIONAL HEATER 2 RELAY COIL CONTROL          |
| 3JK              | COOLANT TEMPERATURE -                           |
| 3JL              | THROTTLE POTENTIOMETER -                        |
| 3JM              | EGR SOLENOID VALVE -                            |
| 3JN              | FAN 1 RELAY - CONTROL                           |
| 3JP              | FAN 2 RELAY - CONTROL                           |
| 3JQ              | AIR TEMPERATURE -                               |
| 3KJ              | AIRFLOW +                                       |
| 3KQ              | AIR TEMPERATURE SIGNAL                          |
| 3KW              | INJECTOR 1 CONTROL                              |
| 3KX              | INJECTOR 2 CONTROL                              |
| 3KY              | INJECTOR 3 CONTROL                              |
| 3KZ              | INJECTOR 4 CONTROL                              |
| 3L               | + INJECTOR 1                                    |
| 3LA              | + INJECTOR 2                                    |
| 3LB              | + INJECTOR 3                                    |
| 3LC              | + INJECTOR 4                                    |
| 3LD              | FUEL TEMPERATURE SENSOR -                       |
| 3LG              | ATMOSPHERIC PRESSURE SENSOR +                   |
| 3LN              | TURBOCHARGER PRESSURE SENSOR -                  |
| 3LP              | TURBOCHARGER PRESSURE SENSOR + SIGNAL           |
| 3LQ              | TURBOCHARGER PRESSURE SENSOR +                  |
| 3LR              | + LOAD POTENTIOMETER 1                          |
| 3LS              | LOAD POTENTIOMETER 1 + SIGNAL                   |
| 3LT              | - LOAD POTENTIOMETER 1                          |
| 3LU              | + LOAD POTENTIOMETER 2                          |
| 3LV              | - LOAD POTENTIOMETER 2                          |
| 3LW              | LOAD POTENTIOMETER 2 + SIGNAL                   |
| 3LX              | RAIL FUEL PRESSURE SENSOR +                     |
| 3LY              | RAIL FUEL PRESSURE SENSOR + SIGNAL              |
| 3LZ              | RAIL FUEL PRESSURE SENSOR -                     |
| 3NA              | IMPACT SENSOR IGNITION COIL + > FUEL PUMP RELAY |
| 3NX              | LEVEL 1 WARNING LIGHT - CONTROL                 |
| 3PL              | BANK A>B CAMSHAFT SENSOR EARTH                  |
| 3S               | PINKING SENSOR 1 + SIGNAL > FRONT               |
| 3SH              | THROTTLE AIR TEMPERATURE -                      |
| 3VP              | CONTROL + GAS RECIRCULATION MOTOR               |
| 3VQ              | CONTROL - GAS RECIRCULATION MOTOR               |
| 3WT              | WATER IN DIESEL DETECTION SENSOR SIGNAL         |
| 40A              | DRIVER'S REAR VIEW MIRROR RIGHT>LEFT CONTROL    |
| 40B              | PASSENGER REAR VIEW MIRROR UP/DOWN CONTROL      |
| 40C              | DRIVER'S REAR VIEW MIRROR UP/DOWN CONTROL       |
| 40D              | PASSENGER REAR VIEW MIRROR RIGHT>LEFT CONTROL   |
| 40E              | REAR VIEW MIRROR MOTOR COMMON                   |
| 41A              | FUEL LEVEL SENDER + SIGNAL                      |
| 42A              | COOLANT TEMPERATURE + SIGNAL                    |
| 47A              | FUEL LEVEL GAUGE -                              |
| 47F              | VEHICLE SPEED SIGNAL                            |
| 47H              | FUEL FLOW RATE SIGNAL                           |
| 47K              | ADAC SEQUENCE - CONTROL                         |

ALYANCE:HAMID REZAI:TEL:۰۹۳۷۵۵۷۲۱۲۱

| CONNECTION CODES | CONNECTION TITLES                                                            |
|------------------|------------------------------------------------------------------------------|
| 38AJ             | FAN MOTOR SPEED 2 + CONTROL                                                  |
| 38AK             | FAN MOTOR SPEED 3 + CONTROL                                                  |
| 38AL             | FAN MOTOR SPEED 4 + CONTROL                                                  |
| 38DB             | HEATER BLOWER + CONTROL > AIR CONDITIONING PANEL                             |
| 38K              | AIR CONDITIONING CUT-OFF CONTROL > PETROL-DIESEL COMPUTER                    |
| 38LL             | PASSENGER COMPARTMENT HEATING RESISTANCE / RELAY 1 CONTROL                   |
| 38LM             | PASSENGER COMPARTMENT HEATING RESISTANCE CONTROL / RELAY 2                   |
| 38LQ             | FAN ASSEMBLY SPEED 0 SIGNAL                                                  |
| 38NC             | HEATING AND AIR CONDITIONING SYSTEM/ EVAPORATOR SAFETY MODULE ON-OFF COMMAND |
| 38R              | AIR CONDITIONING CLUTCH + CONTROL                                            |
| 38U              | RHEOSTAT CURSOR                                                              |
| 38X              | REFRIGERANT GAS PRESSURE SENSOR SIGNAL                                       |
| 38Y              | REFRIGERANT GAS PRESSURE SENSOR +                                            |
| 38Z              | AIR CONDITIONING CIRCULATION CONTROL > PETROL-DIESEL COMPUTER                |
| 3AA              | INJECTION LOCKING RELAY COIL - CONTROL                                       |
| 3AC              | FUEL PUMP RELAY COIL - CONTROL                                               |
| 3AJ              | THROTTLE POSITION POTENTIOMETER + SIGNAL                                     |
| 3AW              | POWER STEERING PRESSOSTAT + SIGNAL > INJECTION COMPUTER                      |
| 3B               | AIR TEMPERATURE SENSOR + SIGNAL                                              |
| 3BB              | CANISTER BLEED SOLENOID VALVE                                                |
| 3BG              | ENGINE SPEED SIGNAL > TDC SENSOR                                             |
| 3BL              | ENGINE SPEED > TDC SENSOR - SIGNAL                                           |
| 3BU              | IDLE SPEED REGULATION CONTROL 1                                              |
| 3BV              | IDLE SPEED REGULATION CONTROL 2                                              |
| 3BW              | IDLE SPEED REGULATION CONTROL 3                                              |
| 3BX              | IDLE SPEED REGULATION CONTROL 4                                              |
| 3C               | COOLANT TEMPERATURE SENSOR + SIGNAL                                          |
| 3CP              | INJECTION COMPUTER CONTROL > IGNITION POWER MODULE 2-3                       |
| 3CQ              | CAMSHAFT SENSOR SIGNAL                                                       |
| 3CR              | INJECTOR 1 - CONTROL                                                         |
| 3CS              | INJECTOR 2 - CONTROL                                                         |
| 3CT              | INJECTOR 3 - CONTROL                                                         |
| 3CU              | INJECTOR 4 - CONTROL                                                         |
| 3CV              | INJECTOR 1 & 4 IGNITION COIL - CONTROL                                       |
| 3CW              | INJECTOR 2 & 3 IGNITION COIL - CONTROL                                       |
| 3CZ              | INJECTION COMPUTER CONTROL > 1 4 IGNITION POWER MODULE                       |
| 3DQ              | PINKING SENSOR -                                                             |
| 3DV              | AIRFLOW SENSOR + SIGNAL                                                      |
| 3DW              | AIRFLOW SENSOR - SIGNAL                                                      |
| 3EL              | EGR POTENTIOMETER + SIGNAL                                                   |
| 3F               | ATMOSPHERIC PRESSURE SENSOR SIGNAL                                           |
| 3FAB             | FUEL TEMPERATURE + SIGNAL                                                    |
| 3FB              | INJECTION + > PROTECTIVE RELAY                                               |
| 3FF              | PRE-HEATER RELAY - CONTROL                                                   |
| 3FY              | PRE-HEATER RELAY DIAGNOSTIC SIGNAL                                           |
| 3GC              | EGR SENSOR +                                                                 |
| 3GF              | UPSTREAM OXYGEN SENSOR HEATER - CONTROL                                      |
| 3GG              | DOWNSTREAM OXYGEN SENSOR HEATER - CONTROL                                    |
| 3GH              | UPSTREAM OXYGEN SENSOR EARTH                                                 |
| 3GJ              | DOWNSTREAM OXYGEN SENSOR EARTH                                               |
| 3GK              | UPSTREAM OXYGEN SENSOR SIGNAL                                                |
| 3GL              | DOWNSTREAM OXYGEN SENSOR SIGNAL                                              |
| 3GN              | MANIFOLD PRESSURE SENSOR EARTH                                               |

| CONNECTION CODES | CONNECTION TITLES                                   |
|------------------|-----------------------------------------------------|
| 115A             | OIL TEMPERATURE SENSOR - SIGNAL                     |
| 122B             | + DIESEL PUMP GAS RECIRCULATION SOLENOID VALVE FEED |
| 133B             | INSTRUMENT PANEL CAN H SIGNAL > COMPUTER            |
| 133C             | INSTRUMENT PANEL CAN L SIGNAL > COMPUTER            |
| 137C             | DEPOLLUTION FAULT WARNING LIGHT CONTROL             |
| 13A              | DOOR SWITCH > INTERIOR LIGHTS - CONTROL             |
| 13E              | INTERIOR LIGHTS - CONTROL > TIMER                   |
| 13N              | INTERIOR LIGHTS - CONTROL > REAR DOOR SWITCH        |
| 14A              | WINDSCREEN WIPER LOW SPEED + CONTROL                |
| 14B              | WINDSCREEN WIPER HIGH SPEED + CONTROL               |
| 14C              | WINDSCREEN WIPER PARK POSITION + CONTROL            |
| 14D              | WINDSCREEN WIPER LOW SPEED TIMER CONTROL            |
| 14E              | WINDSCREEN WIPER TIMER + CONTROL                    |
| 15A              | HEATED REAR SCREEN WARNING LIGHT CONTROL            |
| 15B              | HEATED REAR SCREEN + CONTROL                        |
| 15LP             | PROTECTED HEATED REAR SCREEN + CONTROL              |
| 15M              | HEATED REAR SCREEN RELAY - CONTROL                  |
| 15RP             | PROTECTED HEATED REAR VIEW MIRROR + CONTROL         |
| 16A              | WINDSCREEN WASHER PUMP + CONTROL                    |
| 17A              | GLOVE COMPARTMENT LIGHTS - CONTROL                  |
| 18A              | BOOT LIGHT - CONTROL                                |
| 20A              | ELECTRIC DOOR LOCKS CLOSE TIMER + CONTROL           |
| 20B              | ELECTRIC DOOR LOCKS OPEN TIMER + CONTROL            |
| 20C              | ELECTRIC DOOR LOCKS OPEN + CONTROL                  |
| 20D              | ELECTRIC DOOR LOCKS CLOSE + CONTROL                 |
| 21A              | DRIVER'S ELECTRIC WINDOW UP CONTROL                 |
| 21B              | DRIVER'S ELECTRIC WINDOW DOWN CONTROL               |
| 22A              | PASSENGER'S ELECTRIC WINDOW UP CONTROL              |
| 22B              | PASSENGER'S ELECTRIC WINDOW DOWN CONTROL            |
| 23E              | REAR LOCKING FUNCTION RELAY COIL CONTROL            |
| 23G              | RIGHT HAND REAR ELECTRIC WINDOW CONTROL 1           |
| 23H              | RIGHT HAND REAR ELECTRIC WINDOW CONTROL 2           |
| 23J              | LEFT HAND REAR ELECTRIC WINDOW CONTROL 1            |
| 23K              | LEFT HAND REAR ELECTRIC WINDOW CONTROL 2            |
| 24A              | REAR SCREEN WASHER PUMP + CONTROL                   |
| 28A              | OIL PRESSURE WARNING LIGHT - CONTROL                |
| 2A               | ALTERNATOR CHARGING INDICATOR LIGHT - CONTROL       |
| 2K               | ALTERNATOR CHARGER SIGNAL                           |
| 31A              | COOLANT TEMPERATURE WARNING LIGHT - CONTROL         |
| 34A              | LEFT HAND REAR LOUDSPEAKER + SIGNAL                 |
| 34B              | LEFT HAND REAR LOUDSPEAKER - SIGNAL                 |
| 34C              | RIGHT HAND REAR LOUDSPEAKER - SIGNAL                |
| 34D              | RIGHT HAND REAR LOUDSPEAKER + SIGNAL                |
| 34E              | RIGHT HAND FRONT LOUDSPEAKER + SIGNAL               |
| 34F              | RIGHT HAND FRONT LOUDSPEAKER - SIGNAL               |
| 34G              | LEFT HAND FRONT LOUDSPEAKER + SIGNAL                |
| 34H              | LEFT HAND FRONT LOUDSPEAKER - SIGNAL                |
| 36G              | RELAYED REAR SCREEN WIPER + CONTROL                 |
| 37AA             | PRE-HEATER PLUG 2 CONTROL                           |
| 37AB             | PRE-HEATER PLUG 3 CONTROL                           |
| 37AC             | PRE-HEATER PLUG 4 CONTROL                           |
| 37Z              | PRE-HEATER PLUG 1 CONTROL                           |
| 38AH             | FAN MOTOR SPEED 1 + CONTROL                         |



# LIST OF EARTHS

ALYANCE:HAMID REZAI:TEL:۰۹۳۷۵۵۷۲۱۲۱

| EARTH CODES | EARTH TITLES                                       |
|-------------|----------------------------------------------------|
| MA          | FRONT RIGHT-HAND ELECTRICAL EARTH                  |
| MAH         | ANTI-LOCK BRAKING SYSTEM EARTH                     |
| MAK         | PTC ELECTRICAL EARTH                               |
| MAM         | DASHBOARD LEFT-HAND CROSS MEMBER ELECTRICAL EARTH  |
| MAN         | DASHBOARD RIGHT-HAND CROSS MEMBER ELECTRICAL EARTH |
| MB          | FRONT LEFT-HAND ELECTRICAL EARTH                   |
| MC          | AUTOMATIC GEARBOX EARTH                            |
| MF          | REAR RIGHT-HAND EARTH                              |
| MG          | REAR LEFT-HAND ELECTRICAL EARTH                    |
| MH          | ENGINE ELECTRICAL EARTH                            |
| ML          | BATTERY ELECTRICAL EARTH                           |
| MS          | ELECTRIC PUMP UNIT MOUNTING EARTH                  |
| MT          | RADIO ELECTRICAL EARTH                             |
| NAP         | TUNNEL ELECTRICAL EARTH                            |
| NC          | LEFT-HAND A-PILLAR ELECTRICAL EARTH                |
| NF          | ENGINE ELECTRICAL EARTH                            |
| NH          | ELECTRONIC EARTH                                   |

ALYANCE:HAMID REZAI:TEL:۰۹۳۷۵۵۷۲۱۲۱

# LIST OF CRITERIA

ALYANCE:HAMID REZA:TEL:۰۹۳۷۵۵۷۲۱۲۱

| SHORT TITLES | LONG TITLES                       |
|--------------|-----------------------------------|
| TLIRAN       | IRAN TECHNICAL DEFINITION         |
| VPOEP        | WITH STORAGE COMPARTMENT LIGHTING |
| X90          | X 90 SERIES                       |

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ALYANCE:HAMID REZA:TEL:۰۹۳۷۵۵۷۲۱۲۱

| SHORT TITLES | LONG TITLES                                 |
|--------------|---------------------------------------------|
| 5PL          | 5-SEATER                                    |
| 7PL          | 7-SEATER                                    |
| ABCO01       | DRIVER'S AIRBAG                             |
| ABLAV        | FRONT SIDE AIRBAG                           |
| ABPA01       | PASSENGER AIRBAG                            |
| ABS          | ANTI-LOCK BRAKING SYSTEM                    |
| ADAC         | DRIVING AID                                 |
| CA           | AIR CONDITIONING                            |
| CHAUFO       | STANDARD HEATING                            |
| DA           | POWER ASSISTED STEERING                     |
| DIESEL       | DIESEL                                      |
| DM           | MANUAL STEERING                             |
| E0           | E0 EQUIPMENT LEVEL                          |
| E03A         | EURO 03 ANTIPOLLUTION STANDARD WITH OBD     |
| E03B         | EURO 3 EMISSIONS STANDARD WITHOUT OBD       |
| E04A         | EURO 4 EMISSIONS STANDARD WITH OBD          |
| E1           | E1 EQUIPMENT LEVEL                          |
| E2           | EQUIPMENT LEVEL E2                          |
| E3           | EQUIPMENT LEVEL E3                          |
| ELA          | WITH REAR SCREEN WIPER                      |
| ESS          | PETROL                                      |
| F90          | F 90 SERIES                                 |
| GDFROI       | EXTREME COLD CLIMATE                        |
| K4M690       | K4M ENGINE SUFFIX 690                       |
| K7J          | K7J ENGINE                                  |
| K7J710       | K7J ENGINE SUFFIX 710                       |
| K7M          | K7M ENGINE                                  |
| K7M710       | K7M ENGINE SUFFIX 710                       |
| K90          | K 90 SERIES                                 |
| K9K          | K9K ENGINE                                  |
| K9K790       | K9K ENGINE SUFFIX 790                       |
| K9K792       | K9K ENGINE SUFFIX 792                       |
| K9K794       | K9K ENGINE SUFFIX 794                       |
| L90          | L 90 FAMILY                                 |
| LAC          | HEATED REAR SCREEN                          |
| LNC          | HEATED REAR SCREEN                          |
| LUCOF        | LUGGAGE COMPARTMENT LIGHTING                |
| LVAREL       | REAR ELECTRIC WINDOW                        |
| LVAVEL       | FRONT ELECTRIC WINDOW                       |
| PROJAB       | FOG LIGHTS                                  |
| RAD01        | 01 TYPE RADIO                               |
| RETROE       | 2 ELECTRICALLY-ADJUSTED DOOR MIRRORS        |
| SABLAV       | WITHOUT FRONT SIDE AIRBAG                   |
| SGACHA       | HEATED SEAT                                 |
| SOP01        | MAGNETIC CARD DOOR LOCKING/UNLOCKING SYSTEM |
| SOP02        | HANDS-FREE DOOR LOCKING/UNLOCKING SYSTEM    |
| SOP03        | TYPE 03 DOOR OPENING CLOSING SYSTEM         |
| SPRGAZ       | WITHOUT GAS PREPARATION OR EQUIPMENT        |
| SRADIO       | VEHICLE WITHOUT RADIO                       |
| SSABS        | WITHOUT ANTI-LOCK BRAKING SYSTEM            |
| SSELA        | WITHOUT REAR SCREEN WIPER                   |
| STLIRAN      | EXCEPT IRAN TECHNICAL DEFINITION            |
| TEMP         | TEMPERATE CLIMATE                           |

# LIST OF CONNECTIONS

ALYANCE:HAMID REZAI:TEL:•9375572121

| CONNECTION CODES | CONNECTION TITLES                                     |
|------------------|-------------------------------------------------------|
| R2               | DASHBOARD/LEFT REAR CONNECTION                        |
| R122             | DASHBOARD WIRING HARNESS / FOG LIGHT CONNECTION       |
| R146             | DASHBOARD WIRING HARNESS / FRONT SEAT CONNECTION      |
| R164             | FAN/DASHBOARD CONNECTION                              |
| R212             | ENGINE/PASSENGER COMPARTMENT (SINGLE UNIT) CONNECTION |
| R244             | LEFT-HAND REAR/LUGGAGE COMPARTMENT LID CONNECTION     |
| R262             | PASSENGER COMPARTMENT/ENGINE CONNECTION               |
| R292             | PASSENGER COMPARTMENT/PASSENGER AIR BAG               |
| R334             | PASSENGER COMPARTMENT/PASSENGER FRONT SEAT CONNECTION |
| R335             | PASSENGER COMPARTMENT/DRIVER'S FRONT SEAT CONNECTION  |
| R383             | CAR PHONE SPEAKER / PASSENGER COMPARTMENT CONNECTION  |

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| COMPONENT CODES | COMPONENT TITLES                          |
|-----------------|-------------------------------------------|
| 639             | RAISED BRAKE LIGHT                        |
| 645             | PASSENGER COMPARTMENT COMPUTER            |
| 649             | STEPPER MOTOR                             |
| 677             | FRONT AND REAR BI-DIRECTIONAL WASHER PUMP |
| 680             | PREHEATER PLUG 1                          |
| 681             | PREHEATER PLUG 2                          |
| 682             | PREHEATER PLUG 3                          |
| 683             | PREHEATER PLUG 4                          |
| 689             | CRUISE CONTROL AND AIR BAG SWITCH         |
| 746             | CYLINDER SENSOR                           |
| 756             | AIR BAG/PRETENSIONER COMPUTER             |
| 778             | QUADRUPE IGNITION COIL MODULE             |
| 784             | COMMAND RELAY BLOCK 2                     |
| 799             | INJECTION AIR FLOW METER                  |
| 833             | FUEL PUMP AND SENDER UNIT                 |
| 861             | PASSENGER AIR BAG                         |
| 887             | UPSTREAM OXYGEN SENSOR                    |
| 921             | ACCELERATOR POTENTIOMETER                 |
| 957             | TRANSPONDER UNIT                          |
| 967             | ELECTRO-MAGNETIC HORN                     |
| 983             | DIESEL INJECTION COMPUTER SUPPLY RELAY    |
| 1001            | LPG TANK                                  |
| 1016            | PASSENGER COMPARTMENT FUSE BOX            |
| 1028            | DRIVER'S SIDE SATELLITE                   |
| 1029            | PASSENGER SIDE SATELLITE                  |
| 1032            | FUEL MANIFOLD PRESSURE SENSOR             |
| 1047            | INJECTION RELAY                           |
| 1066            | FUEL TEMPERATURE SENSOR                   |
| 1067            | ADDITIONAL HEATING RELAY 1                |
| 1068            | ADDITIONAL HEATING RELAY 2                |
| 1071            | TURBOCHARGING PRESSURE SENSOR             |
| 1077            | CYLINDER 1 PENCIL COIL                    |
| 1078            | CYLINDER 2 PENCIL COIL                    |
| 1079            | CYLINDER 3 PENCIL COIL                    |
| 1080            | CYLINDER 4 PENCIL COIL 4                  |
| 1105            | FUEL FLOW ACTUATOR                        |
| 1113            | ADDITIONAL PASSENGER COMPARTMENT HEATING  |
| 1202            | COOLANT GAS PRESSURE SENSOR               |
| 1324            | CENTRAL REGISTRATION PLATE LIGHTING       |
| 1425            | 3RD ROW COURTESY LIGHT                    |
| 1441            | PASSENGER AIR BAG DISABLING KEY           |
| 1456            | ONE-TOUCH DE-ICING CONTROL                |
| 1460            | MOTORISED EGR SOLENOID VALVE              |
| 1840            | EVAPORATOR SAFETY MODULE                  |

| COMPONENT CODES | COMPONENT TITLES                                 |
|-----------------|--------------------------------------------------|
| 190             | LEFT REAR SPEAKER                                |
| 191             | FRONT RIGHT DOOR SPEAKER                         |
| 192             | FRONT LEFT DOOR SPEAKER                          |
| 193             | INJECTOR 1                                       |
| 194             | INJECTOR 2                                       |
| 195             | INJECTOR 3                                       |
| 196             | INJECTOR 4                                       |
| 199             | FUEL GAUGE                                       |
| 200             | REAR SCREEN DE-ICING                             |
| 201             | REAR RIGHT-HAND WINDOW MOTOR                     |
| 202             | REAR LEFT-HAND WINDOW MOTOR                      |
| 203             | DRIVER'S WINDOW MOTOR                            |
| 204             | PASSENGER ELECTRIC WINDOW MOTOR                  |
| 205             | PRESSURE SWITCH                                  |
| 207             | BRAKE FLUID MIN LEVEL SENSOR                     |
| 209             | MONOLEVER                                        |
| 211             | REAR SCREEN WIPER MOTOR                          |
| 212             | WINDSCREEN WIPER MOTOR                           |
| 213             | FRONT COURTESY LIGHT                             |
| 219             | HEADLIGHT WASHER PUMP                            |
| 221             | WINDSCREEN WASHER PUMP                           |
| 222             | THROTTLE POTENTIOMETER                           |
| 224             | POWER ASSISTED STEERING PRESSURE SWITCH          |
| 225             | DIAGNOSTIC SOCKET                                |
| 226             | RIGHT-HAND HEADLIGHT                             |
| 227             | LEFT-HAND HEADLIGHT                              |
| 233             | COLD AIR BLOWER RELAY                            |
| 235             | HEATED REAR SCREEN RELAY                         |
| 239             | DRIVER'S ELECTRIC REAR-VIEW MIRROR               |
| 240             | PASSENGER ELECTRIC REAR-VIEW MIRROR              |
| 242             | DOWNSTREAM OXYGEN SENSOR                         |
| 244             | WATER INJECTION TEMPERATURE SENSOR               |
| 247             | INSTRUMENT PANEL                                 |
| 250             | VEHICLE SPEED SENSOR                             |
| 255             | RIGHT FRONT TURN SIGNAL LIGHT                    |
| 256             | LEFT FRONT TURN SIGNAL LIGHT                     |
| 257             | PREHEATING UNIT                                  |
| 261             | RADIO                                            |
| 262             | COOLING FAN AND AIR CONDITIONING                 |
| 267             | RIGHT REPEATER                                   |
| 268             | LEFT REPEATER                                    |
| 272             | INJECTION AIR TEMPERATURE SENSOR                 |
| 299             | RELAY CONTROL PLATE                              |
| 319             | AIR CONDITIONING CONTROL PANEL                   |
| 321             | AIR CONDITIONING FAN ASSEMBLY RESISTOR           |
| 322             | AIR CONDITIONING AND POWER ASSISTED STEERING LED |
| 336             | FAN SPEED 2 RELAY                                |
| 343             | OIL TEMPERATURE SENSOR                           |
| 371             | PETROL VAPOUR ABSORBER                           |
| 403             | SECONDARY ELECTRO-MAGNETIC WARNING BUZZER        |
| 414             | WATER IN DIESEL SENSOR                           |
| 529             | CENTRAL COURTESY LIGHT                           |
| 597             | ENGINE AND RELAY FUSE BOX                        |

| COMPONENT CODES | COMPONENT TITLES                           |
|-----------------|--------------------------------------------|
| 71              | SWING DOOR ELECTRIC LOCKING                |
| 101             | CIGARETTE LIGHTER                          |
| 103             | ALTERNATOR                                 |
| 104             | STARTING SWITCH                            |
| 105             | MAIN ELECTROMAGNETIC HORN                  |
| 107             | BATTERY                                    |
| 118             | ANTI-LOCK BRAKING SYSTEM COMPUTER          |
| 120             | INJECTION COMPUTER                         |
| 123             | CENTRAL DOOR LOCKING CONTROL               |
| 125             | HAZARD WARNING LIGHT CONTROL               |
| 128             | HEATED REAR WINDOW CONTROL                 |
| 130             | REAR RIGHT-HAND ELECTRIC WINDOW CONTROL    |
| 131             | REAR LEFT-HAND ELECTRIC WINDOW CONTROL     |
| 132             | DRIVER'S SIDE ELECTRIC WINDOW CONTROL      |
| 133             | PASSENGER'S SIDE ELECTRIC WINDOW CONTROL   |
| 134             | ELECTRIC REAR-VIEW MIRROR CONTROL          |
| 135             | REAR WINDOW WINDER LOCKING SWITCH          |
| 138             | REAR RIGHT DOOR ELECTRIC LOCKING           |
| 139             | REAR LEFT DOOR ELECTRIC LOCKING            |
| 140             | DRIVER'S DOOR ELECTRIC LOCKING             |
| 141             | CENTRAL LOCKING FOR PASSENGER DOOR         |
| 142             | BOOT LID ELECTRIC LOCKING                  |
| 145             | COMBINED WIPER-WASHER                      |
| 146             | PINKING SENSOR 1                           |
| 147             | ATMOSPHERIC PRESSURE SENSOR                |
| 149             | TDC SENSOR                                 |
| 150             | RIGHT REAR WHEEL SENSOR                    |
| 151             | LEFT REAR WHEEL SENSOR                     |
| 152             | RIGHT FRONT WHEEL SENSOR                   |
| 153             | LEFT FRONT WHEEL SENSOR                    |
| 154             | TAILGATE SWITCH                            |
| 155             | REVERSING LIGHTS SWITCH                    |
| 156             | HANDBRAKE SWITCH                           |
| 160             | BRAKE SWITCH                               |
| 161             | PASSENGER GLOVEBOX SWITCH                  |
| 163             | STARTER                                    |
| 164             | COLD AIR BLOWER                            |
| 165             | LUGGAGE COMPARTMENT LIGHTING               |
| 168             | GLOVE COMPARTMENT LIGHT                    |
| 171             | AIR CONDITIONING CLUTCH                    |
| 172             | RIGHT REAR LIGHT                           |
| 173             | LEFT REAR LIGHT                            |
| 176             | RIGHT FRONT FOGLIGHT                       |
| 177             | LEFT FRONT FOGLIGHT                        |
| 178             | RIGHT REAR RABBET SWITCH                   |
| 179             | LEFT REAR RABBET SWITCH                    |
| 180             | DRIVER'S RABBET SWITCH                     |
| 181             | PASSENGER'S RABBET SWITCH                  |
| 184             | RIGHT HEADLIGHT                            |
| 185             | LEFT HEADLIGHT                             |
| 186             | POWER ASSISTED STEERING ELECTRIC PUMP UNIT |
| 188             | COOLING FAN UNIT                           |
| 189             | RIGHT REAR SPEAKER                         |