



Warranty Codes Manual

Garantieshandboek

Manuel des codes de garantie

Reklamationscodes

Manuale codici di garanzia

Manual de códigos de garantía

Manual dos códigos da garantía



LAND ROVER WARRANTY CODES MANUAL

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INTRODUCTION

USING THESE CODES

These codes are used to analyse warranty claims and consist of four digits in the sequence,
number - letter - number.

SELECTING THE CORRECT CODE

To establish a code, select the appropriate section from the index e.g:

Section 1 Engine, or Section 6 Brakes, or Section 9 Body Exterior

The section 'number' becomes the first digit of the complaint code

Turn to section page and select the complaint area e.g:

1E Piston and Connecting Rod, or 6H ServoSystem

The component area reference 'letter' becomes the second digit of the complaint code
Then identify the individual part or assembly e.g:

1E3 Gudgeon pin, or 6H4 Non-Return Valves

The part or assembly reference 'number' becomes the third digit of the complaint code
To complete the complaint code with the fourth digit, select from the bottom of the section page that description which accurately fits the cause of the component or assembly failure e.g:

1E3F Gudgeon Pin Seized, or 6H4D Non-return Valve broken

The fault description reference 'letter' completes the complaint code.

It is essential that your interpretation of the cause of the failure is accurate and that you avoid coding the result eg. clutch slipping - oil on drive plate; select a complaint code which describes what has caused the oil leak, not a code which describes the clutch drive plate contaminated with oil.

PAINT CODES

Whilst the layout of the page is different the procedure for selecting a code remains broadly the same. An example is given on the title page of the paint code section.

IF YOU HAVE DIFFICULTY Contact the Warranty Department at Service Division, P.O. Box 58, Cowley, Oxford, OX4 2HU, England.

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9N EXTERIOR FITTINGS
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9W TACHOGRAPH
9Y SEALS
9Z BODY MISCELLANEOUS

SECTION 1 - ENGINE

| | | | | | |
|-----------|-----------------------------|-----------|----------------------------|-----------|-----------------------------|
| 1A | BLOCK | 1B | SPECIAL CONDITIONS | 1C | CRANKSHAFT |
| 1 | BLOCK | 1 | EXCESSIVE OIL CONSUMPTION | 1 | CRANKSHAFT |
| 2 | BORES | 2 | ENGINE OVERHEATING | 2 | SPIGOT BUSH/BEARING |
| 3 | OILWAYS/DRILLINGS | 3 | ENGINE RUNNING ON | 3 | MAIN BEARING |
| 4 | LINERS | 4 | EXCESSIVE SMOKE | 4 | BIG END BEARING |
| 5 | CORE PLUGS | 5 | ENGINE VIBRATION | 5 | THRUST WASHERS/BEARINGS |
| 6 | DIPSTICK AND TUBE | 6 | PINKING | 6 | FLYWHEEL |
| 7 | CROSS BOLTS | 7 | SHUNTING/SURGING | 7 | STARTER RING GEAR |
| 8 | TAPPINGS STUDS AND SCREWS | 8 | | 8 | OILWAYS/DRILLINGS |
| 9 | MAIN BEARING CAPS AND BOLTS | 9 | ENGINE OIL LEVEL LOW | 9 | VIBRATION DAMPER |
| 0 | | 0 | ENGINE OIL LEVEL HIGH | 0 | CRANKSHAFT GEAR/PULLEY BOLT |
| | MOUNTINGS SEE 5C | | USE ONLY FOURTH DIGIT ' X' | | CONVERTER DRIVE PLATE 4A5 |

| | | | | | |
|-----------|--------------------------|-----------|----------------------------------|-----------|-----------------------------|
| 1D | BEARING LADDER | 1E | PISTON AND CONNECTING ROD | 1F | CYLINDER HEAD |
| 1 | LADDER FRAME | 1 | PISTON | 1 | CYLINDER HEAD |
| 2 | OIL FEED RAIL | 2 | PISTON RINGS | 2 | VALVE SEATS |
| 3 | INTERNAL OIL GALLERIES | 3 | GUDGEON PIN | 3 | VALVE GUIDES |
| 4 | | 4 | LITTLE END BEARING | 4 | CYLINDER HEAD CORE PLUGS |
| 5 | | 5 | CONNECTING ROD AND CAP | 5 | CAMSHAFT CARRIER/BRG. CAPS |
| 6 | | 6 | CONNECTING ROD CAP BOLTS/NUTS | 6 | INJECTOR SLEEVE |
| 7 | | 7 | GUDGEON PIN CIRCLIP | 7 | COMBUSTION CHAMBER HOT PLUG |
| 8 | TAPPINGS, STUDS & SCREWS | 8 | | 8 | TAPPINGS/STUDS/SCREWS/BOLTS |
| 9 | | 9 | | 9 | |
| 0 | | 0 | | 0 | CYLINDER HEAD BOLTS |
| | | | | * | HEAD GASKET 1S6 |

| | | | |
|-----------|-----------------------------|-----------|--------------------------|
| 1G | VALVE GEAR | 1H | VALVE GEAR |
| 1 | INLET VALVE | 1 | CAMSHAFT ROLLER |
| 2 | INLET VALVE SPRING | 2 | HYDRAULIC TAPPET |
| 3 | INLET VALVE SPLIT COTTERS | 3 | ROCKER SHAFT PEDESTALS |
| 4 | EXHAUST VALVE | 4 | PUSH ROD |
| 5 | EXHAUST VALVE SPRING | 5 | ROCKER AND SCREW/LOCKNUT |
| 6 | EXHAUST VALVE SPLIT COTTERS | 6 | ROCKER SHAFT |
| 7 | CAP-SPRING | 7 | SHIMS |
| 8 | CAP-VALVE STEM | 8 | CAMSHAFT |
| 9 | VALVE STEM SEAL-INLET | 9 | CAMSHAFT BEARINGS |
| 0 | VALVE STEM SEAL-EXHAUST | 0 | CAMSHAFT RETAINER PLATE |

| | |
|-----------|--------------------|
| 1J | VALVE GEAR |
| 1 | BRASS TAPPET SLIDE |
| 2 | TAPPET GUIDE |
| 3 | TAPPET GUIDE-BOLT |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 0 | |

| | |
|-----------|---|
| 1K | CAMSHAFT/DRIVE |
| 1 | CRANKSHAFT SPROCKET/GEAR |
| 2 | INTERMEDIATE/IDLER SPROCKET |
| 3 | CAMSHAFT SPROCKET/GEAR/DAMPER |
| 4 | WOODRUFF KEY-CAMSHAFT |
| 5 | DRIVE CHAIN |
| 6 | VACUUM PUMP-INTERNAL |
| 7 | |
| 8 | CHAIN GUIDES |
| 9 | TENSIONER |
| 0 | |
| | (CAMSHAFT DRIVE BELT SEE 2G8 VACUUM PUMP-EXTERNAL SEE 6H2) |

| | |
|-----------|-----------------------|
| 1L | TWIN CAMSHAFTS |
| 1 | EXHAUST CAMSHAFT |
| 2 | INLET CAMSHAFT |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 0 | |

| | |
|-----------|----------------------------|
| 1M | CAMSHAFT/DRIVE GEAR |
| 1 | |
| 2 | OIL PUMP DRIVE GEAR |
| 3 | VERTICAL DRIVE GEAR |
| 4 | FUEL PUMP D GEAR/PLUNGER |
| 5 | IDLER/IDLER GEAR |
| 6 | |
| 7 | FUEL INJECTION PUMP GEAR |
| 8 | |
| 9 | V8 DISTRIBUTOR DRIVE GEAR |
| 0 | |

| | | | | | |
|----------|------------------|----------|--------------------------|----------|----------------|
| A | WRONGLY ADJUSTED | E | CRACKED/SPLIT/CUT | J | WORN/STRETCHED |
| B | POROUS/ADRIFT | F | SEIZED/STIFF | K | NOISY/CHAFED |
| C | BAD FIT | G | LOOSE | L | |
| D | BROKEN | H | CORRODED/PLATING FAILURE | M | COOLANT LEAKS |

SECTION 1 - ENGINE

| | | |
|-------------------------------|-----------|---------------------------------|
| 1N COVERS AND PLATES | 1P | 1Q SEALS AND RINGS |
| 1 SUMP | 1 | 1 FRONT CRANK/TIMING COVER SEAL |
| 2 OIL FILLER CAP | 2 | 2 CRANKSHAFT REAR SEAL |
| 3 | 3 | 3 VALVE STEM SEAL |
| 4 ROCKER COVER/CAMSHAFT COVER | 4 | 4 MAIN BEARING CAP SEAL |
| 5 SIDE COVER | 5 | 5 FLYWHEEL HOUSING SEAL |
| 6 FRONT/TIMING COVER | 6 | 6 CAMSHAFT OIL SEAL |
| 7 REAR COVER/BACKPLATE | 7 | 7 |
| 8 | 8 | 8 |
| 9 SUMP PLUG | 9 | 9 DISTRIBUTOR OIL SEAL |
| 0 WADING PLUG | 0 | 0 LINER SEALS |
| JOINTS/GASKETS SEE 1S | | |

| | | |
|-------------------------------|--------------------------------|-------------------------------|
| 1R CRANKCASE BREATHING | 1S JOINTS/GASKETS | 1T CRANKCASE BREATHING |
| 1 PCV FILTER ELEMENT | 1 TOP ROCKER CAMSHAFT COVER | 1 OIL SEPARATOR |
| 2 PCV VENT CRANKCASE | 2 FRONT TIMING COVER | 2 TOP BREATHER HOSE |
| 3 PCV RESTRICTOR "T" PIECE | 3 SIDE COVER | 3 |
| 4 | 4 REAR COVER/BACKPLATE | 4 BOTTOM BREATHER HOSE |
| 5 | 5 SUMP/TRANSMISSION CASE | 5 TOP BREATHER VALVE |
| 6 | 6 HEAD GASKET | 6 BOTTOM BREATHER VALVE |
| 7 | 7 CAMSHAFT END COVER | 7 HOSES/CLIPS |
| 8 | 8 INJECTOR HEAT SHIELD WASHERS | 8 CRANK/CLUTCH BREATHER |
| 9 | 9 CAM CARRIER TO CYLINDER HEAD | 9 REGULATOR VALVE |
| 0 | 0 BRG. LADDER TO CYLINDER HEAD | 0 ONE WAY VALVE |
| | * MAIN BEARING CAP SEAL 1Q4 | |
| | MANIFOLD JOINTS SEE 2U | |

| | | |
|-------------------------------------|-----------|-----------|
| 1U EXHAUST GAS RECIRCULATION | 1V | 1W |
| 1 E G R VALVE | 1 | 1 |
| 2 E G R GAS PIPES | 2 | 2 |
| 3 E G R VACUUM CONTROL PIPES | 3 | 3 |
| 4 E G R CUT OFF VALVE | 4 | 4 |
| 5 E G R FUEL TRAP | 5 | 5 |
| 6 E G R COOLER | 6 | 6 |
| 7 | 7 | 7 |
| 8 | 8 | 8 |
| 9 | 9 | 9 |
| 0 | 0 | 0 |

| | | |
|-----------|-----------|-----------|
| 1X | 1Y | 1Z |
| 1 | 1 | 1 |
| 2 | 2 | 2 |
| 3 | 3 | 3 |
| 4 | 4 | 4 |
| 5 | 5 | 5 |
| 6 | 6 | 6 |
| 7 | 7 | 7 |
| 8 | 8 | 8 |
| 9 | 9 | 9 |
| 0 | 0 | 0 |

| | | |
|--------------------------|------------------------|----------------------------|
| N LEAKS NOT COOLANT LOSS | S OPEN CIRCUIT/BLOCKED | W VIBRATION/OUT OF BALANCE |
| P | T THREAD DAMAGE | X SPECIAL CODES ONLY |
| Q | U | Y |
| R FACTORY DAMAGE | V INACCURATE/SLIPPING | Z INOPERATIVE |

SECTION 2 - ENGINE AUXILIARIES

| | | |
|---|-----------------------------------|--|
| 2A LUBRICATION | 2B LUBRICATION | 2C COOLING |
| 1 OIL PUMP | 1 | 1 FAN |
| 2 SUMP PICKUP/STRAINER | 2 | 2 VISCOUS DRIVE |
| 3 RELIEF VALVE/SEAT | 3 | 3 WATER PUMP |
| 4 SQUIRT JET | 4 | 4 THERMOSTAT |
| 5 EXTERNAL/TURBO OIL PIPES | 5 | 5 RADIATOR |
| 6 OIL FILTER/ADAPTOR | 6 | 6 HEADER TANK |
| 7 OIL COOLER ENGINE | 7 | 7 EXPANSION/OVERFLOW TANK |
| 8 OIL PUMP DRIVE SHAFT | 8 | 8 DRAIN TAPS |
| 9 OIL COOLER PIPES ENGINE | 9 | 9 EXPANSION TANK CAP |
| 0 OIL FILTER HEAD/BOWL | 0 | 0 RADIATOR BLEED PLUG |
| SUMP 1N1 | | ELECTRICAL FAN SEE 7F |
| DIPSTICK 1A6 | | BELTS & PULLEYS SEE 2G 2H |
| SWITCHES ETC SEE 7U 7V | | SWITCHES ETC SEE 7U |
| 2D COOLING | 2E WATER HOSES | 2F AIR CLEANER INTAKE |
| 1 RADIATOR FILLER CAP | 1 TOP HOSE | 1 AIR CLEANER CASE |
| 2 COWLING SURROUND | 2 BOTTOM HOSE | 2 INTAKE HOSE/INTAKE GRILL |
| 3 COWLING/BRACKETS | 3 BY PASS HOSE | 3 BRACKETS AND CLIPS |
| 4 RADIATOR MOUNTINGS | 4 HEATER SUPPLY HOSES | 4 AIR CLEANER ELEMENT |
| 5 THERMOSTAT HOUSING | 5 HEATER RETURN HOSES | 5 AIR CLEANER DUMP VALVE |
| 6 CYL HD BRIDGE RAIL VM DIESEL | 6 EXPANSION TANK HOSE | 6 AIR INTAKE SENSOR |
| 7 "Y" PIECE/EJECTOR PUMP | 7 HEADER TANK TO RAD HOSE | 7 AIR INTAKE RESONATOR |
| 8 COOLANT LEVEL SENSOR | 8 WATER HOSE CLIPS | 8 CROSSOVER DUCT DIESEL |
| 9 | 9 "Y" PIECE HOSES | 9 AIR CLEANER INDICATOR |
| 0 ANTI-FREEZE MIX | 0 IRD THERMOSTAT/HSG | 0 TEMPERATURE CONTROL SENSOR ALSO SEE 2Z |
| 2G BELT DRIVES AND PULLEYS | 2H BELT DRIVES AND PULLEYS | 2J CARBURETTER/INJECTION /MANIFOLD |
| 1 CRANKSHAFT PULLEY/DAMPER | 1 VACUUM PUMP DRIVE PULLEY | 1 INLET MANIFOLD |
| 2 ALTERNATOR PULLEY | 2 VACUUM PUMP DRIVE BELT | 2 INLET MANIFOLD FIXINGS |
| 3 ALTERNATOR DRIVE BELT | 3 POWER STEERING JOCKEY PULLEY | 3 DIAPHRAGM |
| 4 SERPENTINE DRIVE BELT | 4 POWER STEERING PUMP PULLEY | 4 CARBURETTER BODY |
| 5 WATER PUMP DRIVE BELT | 5 POWER STEERING DRIVE BELT | 5 FLOAT CHAMBER AND PIPE |
| 6 AIR CONDITIONING PUMP PULLEY | 6 | 6 FLOAT NEEDLE SEAT AND LEVER |
| 7 AIR CONDITIONING PUMP BELT | 7 IDLER PULLEY | 7 FLOAT |
| 8 CAMSHAFT DRIVE BELT | 8 WATER PUMP PULLEY | 8 BUTTERFLY AND SPINDLE |
| 9 CAMSHAFT DRIVE BELT TENSIONER | 9 AUTO TENSIONER | 9 DASHPOT, PISTON AND DAMPER |
| 0 AIR CONDITIONING JOCKEY PULLEY | 0 | 0 ACCELERATOR PUMP |
| 2K CARBURETTER/INJECTION | 2L CARBURETTER | 2M DIESEL - ELECTRONIC FUEL INJECTION |
| 1 JET ASSEMBLY | 1 TEMP COMPANSATING DEVICE | 1 ELECTRONIC DIESEL CONTROL |
| 2 CHOKE | 2 | 2 ELECTRONIC EXHAUST GAS RE- CIRCULATION |
| 3 CHOKE CONTROL | 3 TAPPINGS | 3 BOOST PRESSURE SENSOR |
| 4 THROTTLE BODY | 4 | 4 GLOW PLUG RELAY |
| 5 ACCELERATOR LINKAGE | 5 | 5 NEEDLE SENSOR INJECTOR |
| 6 ACCELERATOR RETURN SPRING | 6 | 6 |
| 7 ACCELERATOR PEDAL | 7 | 7 |
| 8 | 8 | 8 |
| 9 CARBURETTER NEEDLE | 9 CARB VENT SOLENOID | 9 |
| 0 HAND THROTTLE CONTROL AIR CLEANER SEE 2F | 0 FUEL STOP VALVE & SOLENOID | 0 |
| A WRONGLY ADJUSTED | E CRACKED/SPLIT/CUT | J WORN/STRETCHED |
| B POROUS/ADRIFT | F SEIZED/STIFF | K NOISY/CHAFED |
| C BAD FIT | G LOOSE | L JUDDER/POOR CONNECTION |
| D BROKEN | H CORRODED/PLATING FAILURE | M |

SECTION 2 - ENGINE AUXILIARIES

| | | |
|-----------------------------|--|---|
| 2N FUEL SYSTEM | 2P DIESEL INJECTION | 2Q FUEL SYSTEM |
| 1 ANTI SURGE VALVE | 1 INJECTION PUMP | 1 FUEL DELIVERY PUMP (MECHANICAL) |
| 2 FLOAT/ROLLOVER VALVE | 2 INJECTORS | 2 FILTER (FUEL PUMP) |
| 3 PRESSURE RELIEF VALVE | 3 INJECTOR PIPES | 3 AGGLOMERATOR/WATER TRAP |
| 4 PURGE CONTROL VALVE | 4 FUEL RETURN SYSTEM | 4 RIGID PIPES AND UNIONS |
| 5 FUEL RAIL | 5 STOP CONT/SHUT OFF VALVE | 5 FLEXIBLE PIPES AND UNIONS |
| 6 FUEL TANK PRESSURE SENSOR | 6 ACCELERATOR LINKAGE CABLE | 6 CHANGE OVER TAP |
| 7 FUEL TANK CRADLE | 7 ACCELERATOR RETURN SPRING | 7 NON RETURN VALVE |
| 8 FUEL TANK HEATSHIELD | 8 VACUUM GOVERNOR/CONTROL UNIT | 8 FUEL TANK (MAIN) |
| 9 CANNISTOR VENT SOLENOID | 9 STOP CONTROL CABLE/FUEL CUT OFF SOLENOID | 9 FUEL TANK (AUXILLARY) |
| 0 FUEL COOLER | 0 FAST IDLE UNIT ACCEL MECH SEE 2K | 0 FUEL FILLER NECK * ELECTRIC PUMP 7F9 FUEL CAP 9M3, FUEL CAP LOCK 8W6 FUEL FILLER COVER 9P9 |

| | | |
|---|---|---|
| 2R FUEL SYSTEM | 2S EXHAUST SYSTEM | 2T EXHAUST SYSTEM |
| 1 CHARCOAL CANISTERS | 1 MANIFOLD | 1 RUBBER MOUNTINGS CENTRE/FRONT |
| 2 BREATHER TUBES | 2 DOWN PIPE (RH CATALYST) | 2 HEAT SHIELDS |
| 3 FUEL LINE FILTER | 3 DOWN PIPE | 3 STRAPS AND BRACKETS |
| 4 ANTI RUN ON VALVE | 4 DOWN PIPE (LH CATALYST) | 4 CLAMPS |
| 5 PLENUM CHAMBER | 5 INTERMEDIATE PIPE | 5 OXYGEN SENSOR (RH) |
| 6 PRESSURE REGULATOR VALVE | 6 MANIFOLD HEATSHIELDS | 6 OXYGEN SENSOR (LH)/SINGLE SENSOR |
| 7 VAPOUR SEPERATOR/BREATHER | 7 FRONT SILENCER | 7 RUBBER MOUNTING REAR |
| 8 EXPANSION TANK | 8 INTERMEDIATE/MAIN SILENCER | 8 MANIFOLD FIXINGS |
| 9 FUEL TANK LOCKING RING(PUMP UNIT) | 9 REAR SILENCER | 9 MANIFOLD HEATSHIELD FIXINGS |
| 0 FUEL TANK FILLER NECK LOCKING RING SOLENOID 7W0 | 0 EXHAUST CATALST/CONTAINER ONE SILENCER ONLY FITTED 2S8 | 0 MANIFOLD HEAT SHEILD FURTHER HEAT SHIELDS SEE 7C4, 7D4, 2Z |

| | | |
|---|--------------------------------|---|
| 2U SEALS AND JOINTS | 2V SEALS AND JOINTS | 2W CRUISE SPEED CONTROL |
| 1 INLET MANIFOLD | 1 OIL FILTER SEAT HOUSING | 1 SPIRAL CASSETTE |
| 2 INJECTION PUMP JOINT WASHER | 2 | 2 ECU |
| 3 EXHAUST MANIFOLD | 3 | 3 ACTUATOR |
| 4 EXHAUST FLANGE | 4 OIL PIPES ' O' RINGS | 4 THROTTLE LEVER AND CABLE |
| 5 EXHAUST PIPE | 5 TANK UNIT | 5 PUMP |
| 6 CARBURETTER FLANGE | 6 JET SEALS AND ' O' RINGS | 6 RESET BUTTON |
| 7 CARBURETTER MISCELLANEOUS | 7 WATER PUMP | 7 BRAKE PEDAL SWITCH |
| 8 THERMOSTAT HOUSING | 8 FUEL PIPE WASHERS AND SEALS | 8 CLUTCH PEDAL SWITCH |
| 9 OIL PUMP HOUSING | 9 OIL PIPE BANJO WASHERS | 9 WIRING HARNESS |
| 0 INJECTOR SEALING WASHERS COMBINED INLET EXHAUST MANIFOLD GASKET 2U1 | 0 FUEL FILTER SEAL AND HOUSING | 0 ENGINE SPEED TRIP MODULE ROAD SPEED TRANSDUCER SEE 7T2 |

| | | |
|--------------------------------|--|------------------------------|
| 2X CRUISE SPEED CONTROL | 2Y TURBOCHARGER AND AUXILIARIES | 2Z AIR CLEANER INTAKE |
| 1 ROTARY COUPLER | 1 TURBOCHARGER ASSEMBLY | 1 AIR INTAKE SENSOR |
| 2 CONVERTER MODULE | 2 INTERCOOLER | 2 AIR INTAKE RESONATOR |
| 3 | 3 INTERCOOLER HOSE | 3 CROSS OVER DUCT DIESEL |
| 4 | 4 DUMP VALVE INTERCOOLER | 4 |
| 5 | 5 WASTE GATE VALVE | 5 |
| 6 | 6 OIL PIPE | 6 |
| 7 | 7 HEAT SHIELD | 7 |
| 8 | 8 BOOST CONTROL PIPE | 8 |
| 9 | 9 | 9 |
| 0 | 0 | 0 |

ALSO SEE 2F

| | | |
|------------------|-----------------------|----------------------------|
| N LEAKS | S BLOCKED | W VIBRATION/OUT OF BALANCE |
| P | T THREAD DAMAGE | X SURFACE DAMAGE |
| Q | U INACCURATE/SLIPPING | Y INTERMITTENT OPERATION |
| R FACTORY DAMAGE | V | Z INOPERATIVE |

SECTION 3 - POWER TRAIN CLUTCH, MANUAL GEARBOX

| | | |
|--|--|----------------------------------|
| 3A CLUTCH AND RELEASE MECHANISM | 3B CLUTCH AND RELEASE MECHANISM | 3C GEARS/SYNCHROMESH HUBS |
| 1 COVER ASSEMBLY | 1 RELAESE FORK AND PINS | 1 REVERSE IDLER GEAR/BRG/SPACER |
| 2 DRIVE PLATE ASSEMBLY | 2 RETURN SPRING | 2 CONSTANT PINION |
| 3 RELEASE BEARING | 3 RELEASE BEARING LINKAGE | 3 REVERSE LAYSHAFT GEAR |
| 4 RELEASE BEARING SLEEVE | 4 MASTER CYLINDER | 4 REVERSE BUSH SHIM |
| 5 RELEASE PUSH ROD AND BUSH | 5 SLAVE CYLINDER | 5 REVERSE SYNCHROMESH UNIT |
| 6 RELEASE LEVER | 6 PEDAL ASSEMBLY | 6 REVERSE BULK RING |
| 7 RELEASE LEVER PIVOT PIN | 7 PEDAL BUSHES | 7 REVERSE BRAKE |
| 8 RELEASE FORK AND PINS | 8 HYDRAULIC PIPES | 8 |
| 9 RELEASE BRG AND GUIDE | 9 HYDRAULIC DAMPER | 9 |
| 0 CROSS SHAFT AND BUSH | 0 RELEASE BEARING AND GUIDE | 0 |

ALSO SEE 3E

| | | |
|-------------------------------|--------------------------------|------------------------------|
| 3D GEARBOX CASE/COVERS | 3E GEARS | 3F GEARBOX EXTERNAL |
| 1 GEARBOX/TRANSMISSION CASE | 1 | 1 OIL COOLER |
| 2 FLYWHEEL HOUSING | 2 1ST WITH BUSHES/BEARINGS | 2 OIL COOLER PIPES |
| 3 CLUTCH HOUSING END COVER | 3 2ND WITH BUSHES/BEARINGS | 3 HILL DESCENT COLLAR SWITCH |
| 4 GEARBOX BREATHER PIPE | 4 3RD WITH BUSHES/BEARINGS | 4 |
| 5 GEARBOX BREATHER | 5 4TH WITH BUSHES/BEARINGS | 5 |
| 6 CORE PLUGS | 6 5TH WITH BUSHES/BEARINGS | 6 |
| 7 DIFFERENTIAL SIDE COVER | 7 REVERSE WITH BUSHES/BEARINGS | 7 |
| 8 REAR EXTENSION HOUSING | 8 LAYGEAR | 8 |
| 9 REMOTE CONTROL HOUSING | 9 SPEEDO DRIVE GEAR AND BUSHES | 9 |
| 0 | 0 OIL PUMP | 0 |
| SEALS & JOINTS SEE 3R 3S | SEE ALSO 3C | |
| MOUNTINGS 5C2 | | |

| | | |
|------------------------------|-------------------------------|-----------------------------------|
| 3G SYNCHROMESH HUBS | 3H SHAFTS AND BEARINGS | 3J GEARCHANGE EXTERNAL |
| 1 1ST SPEED SYNCHROMESH UNIT | 1 INPUT SHAFT | 1 GEAR LEVER AND KNOB |
| 2 2ND SPEED SYNCHROMESH UNIT | 2 MAIN SHAFT | 2 SPHERICAL SEAT AND RETAINER |
| 3 3RD SPEED SYNCHROMESH UNIT | 3 LAYSHAFT | 3 REMOTE CONTROL LINKAGE |
| 4 4TH SPEED SYNCHROMESH UNIT | 4 REVERSE SHAFT | 4 REVERSE CATCH/PLUNGER |
| 5 5TH SPEED SYNCHROMESH UNIT | 5 INPUT SHAFT BEARINGS | 5 HIGH/LOW CONTROL LEVER AND KNOB |
| 6 1ST SPEED BAULK RING | 6 MAIN SHAFT BEARINGS | 6 4 W D CONTROL LEVER AND KNOB |
| 7 2ND SPEED BAULK RING | 7 LAYSHAFT BEARINGS | 7 LOWER PIN |
| 8 3RD SPEED BAULK RING | 8 MAIN SHAFT SPIGOT BEARING | 8 SELECTOR ROD YOKE/BUSH |
| 9 4TH SPEED BAULK RING | 9 OUTPUT FLANGE AND SPLINES | 9 BIAS SPRING |
| 0 5TH SPEED BAULK RING | 0 OIL PUMP | 0 GEAR LEVER ANTI RATTLE DEVICE |
| | THRUST WASHERS CIRCLIPS AND | SELECTOR SHAFT SEAL 3R9 |
| | RETAINING SEE 3T | |
| SEE ALSO 3C | SEE ALSO 3Y | |

| | | |
|---------------------------------|-------------------------------------|---------------------------------|
| 3K SPECIAL CONDITIONS | 3L TRANSFER/IRD CASING/GEARS | 3M GEARCHANGE INTERNAL |
| 1 1ST GEAR AUTO DISENGAGEMENT | 1 TRANSFER/IRD CASING/COVERS | 1 1ST/2ND SELECTOR FORK |
| 2 2ND GEAR AUTO DISENGAGEMENT | 2 4 W D FORK SHAFT AND LINKAGE | 2 3RD/4TH SELECTOR FORK |
| 3 3RD GEAR AUTO DISENGAGEMENT | 3 HIGH/LOW SELECTOR MECHANISM | 3 5TH SELECTOR FORK |
| 4 4TH GEAR AUTO DISENGAGEMENT | 4 SPRINGS, BALLS AND PLUNGERS | 4 REVERSE SELECTOR FORK |
| 5 5TH GEAR AUTO DISENGAGEMENT | 5 TRANSFER GEARS/IRD GEARS | 5 SELECTOR SHAFTS/RAILS |
| 6 REVERSE AUTO DISENGAGEMENT | 6 LOW GEARS AND DOGS | 6 DETENT SPRINGS/BALLS/PLUNGERS |
| 7 HIGH RANGE AUTO DISENGAGEMENT | 7 HIGH GEARS AND DOGS | 7 REVERSE LEVER/PIVOT |
| 8 LOW RANGE AUTO DISENGAGEMENT | 8 4 W D DOGS/DIFF LOCK DOGS | 8 INTERLOCK DEVICE |
| 9 GEARBOX OIL LEVEL LOW | 9 TRANSFER BOX DIFFERENTIAL | 9 5th/REV SELECTOR FORK |
| 0 | | 0 HIGH/LOW SELECTOR FORKS |
| USE WITH 4TH DIGIT ' X ' ONLY | (CONTINUED AT 3W) | ALSO SEE 3Y |

| | | |
|--------------------|----------------------------|------------------|
| A WRONGLY ADJUSTED | E CRACKED/SPLIT/CUT | J WORN/STRETCHED |
| B POROUS/ADRIFT | F SEIZED/STIFF | K NOISY/CHAFED |
| C BAD FIT | G LOOSE/WEAK SYNCHROMESH | L JUDDER |
| D BROKEN | H CORRODED/PLATING FAILURE | M |

N 3 - POWER TRAIN CLUTCH, MANUAL GEARBOX

| | | | | | |
|-----------|-------------------------------------|-----------|-------------------------|-----------|----------------------------|
| 3N | TRANSFER/IRD SHAFTS/BEARINGS | 3P | SYNCHROMESH HUBS | 3Q | SHAFTS AND BEARINGS |
| 1 | INTERMEDIATE SHAFT | 1 | REVERSE SYNCHRO UNIT | 1 | ROLL PIN |
| 2 | OUTPUT REAR | 2 | | 2 | |
| 3 | OUTPUT FRONT | 3 | | 3 | |
| 4 | THRUST WASHERS/BEARINGS | 4 | | 4 | |
| 5 | OUTPUT FLANGES AND SPLINES | 5 | | 5 | |
| 6 | IRD INPUT SHAFT | 6 | REVERSE BAULK PIN | 6 | |
| 7 | IRD ADAPTOR PLATE | 7 | | 7 | |
| 8 | | 8 | | 8 | |
| 9 | | 9 | | 9 | |
| 0 | | 0 | | 0 | |

| | | | | | |
|-----------|------------------------------------|-----------|-------------------------------------|-----------|---|
| 3R | SEALS AND JOINTS | 3S | SEALS AND JOINTS | 3T | MISCELLANEOUS COMPONENTS |
| 1 | VISCOUS HOUSING GASKET | 1 | TRANSFER HOUSING GASKETS | 1 | MAIN SHAFT THRUST WASHER |
| 2 | SPEED SENSOR GASKET | 2 | INTER BOX SEAL | 2 | MAIN SHAFT CIRCLIP |
| 3 | FRONT/FLYWHEEL HOUSING GASKET | 3 | MAIN CASE/CENTRE PLATE | 3 | MAIN SHAFT RETAINING NUT |
| 4 | REAR EXTENSION HOUSING GASKET | 4 | CENTRE PLATE/EXT CASE | 4 | LAYSHAFT THRUST WASHER |
| 5 | TOP COVER GASKET | 5 | DIFFERENTIAL SIDE COVER GASKET | 5 | LAYSHAFT CIRCLIP |
| 6 | INPUT/1ST MOTION SHAFT SEAL | 6 | DIFFERENTIAL HOUSING GASKET | 6 | LAYSHAFT RETAINING NUT |
| 7 | OUTPUT SHAFT SEAL | 7 | SPEEDO HOUSING GASKET/ O' RING | 7 | INPUT SHAFT THRUST WASHER |
| 8 | DIFFERENTIAL SIDE COVER SEAL | 8 | GEAR CHANGE/EXT CASE | 8 | INPUT SHAFT CIRCLIP |
| 9 | SELECTOR SHAFT SEAL | 9 | THERMOSTAT HSG | 9 | SOLENOID HIGH/LOW GEARSHIFT |
| 0 | FRONT COVER FIXINGS SEE ALSO 3Z | 0 | SPEEDO SENSOR GASKET SEE ALSO 3Z | 0 | SWITCH AUDIBLE ALARM GEARSHIFT NEUTRAL |

| | | | | | |
|-----------|----------------------------|-----------|-----------------------------|-----------|-----------------------------------|
| 3U | POWER TAKE OFF | 3V | POWER TAKE OFF/UNITS | 3W | TRANSFER GEARBOX (VISCOUS) |
| 1 | PRIMARY SHAFT AND BEARINGS | 1 | BOTTOM P T O (HYDRAULIC) | 1 | VISCOUS COUPLING |
| 2 | OUTPUT SHAFT AND BEARINGS | 2 | BOTTOM P T O (MECHANICAL) | 2 | HIGH/LOW DRIVE GEAR |
| 3 | LINKAGE | 3 | CENTRE P T O UNIT | 3 | DRIVEN GEAR |
| 4 | COVER | 4 | REAR P T O UNIT | 4 | CHAIN |
| 5 | DRIVING TUBE AND GEAR | 5 | REAR P T O PULLEY | 5 | OIL PUMP |
| 6 | | 6 | CAPSTAN WINCH (MECHANICAL) | 6 | OIL PUMP FILTER/PICK-UP |
| 7 | | 7 | CAPSTAN WINCH (ELECTRICAL) | 7 | LOW RANGE PLANETARY SET |
| 8 | | 8 | DRUM WINCH (ELECTRICAL) | 8 | HIGH/LOW SELECTOR MECHANISM |
| 9 | | 9 | DRUM WINCH (HYDRAULIC) | 9 | |
| 0 | | 0 | | 0 | |

| | | | | | |
|-----------|--|-----------|------------------------------|-----------|----------------------------|
| 3X | TRANSFER BOX SPECIAL CONDITIONS | 3Y | GEAR CHANGE INTERNAL | 3Z | SEALS AND JOINTS |
| 1 | NO HIGH/LOW SHIFT | 1 | YOKE ASSY QUADRANT | 1 | FILLER PLUG |
| 2 | NO LOW/HIGH SHIFT | 2 | REVERSE INHIBIT CAM. | 2 | DRAIN PLUG |
| 3 | JAMMED IN NEUTRAL | 3 | REVERSE INHIBIT SPRING/SHAFT | 3 | OIL PUMP |
| 4 | | 4 | 5th/REVERSE SELECTOR FORKS | 4 | MAIN CASE/CENTRE PLATE |
| 5 | | 5 | ROLL PIN | 5 | CENTRE PLATE/EXTERNAL CASE |
| 6 | | 6 | | 6 | GEAR CHANGE/EXTERNAL CASE |
| 7 | | 7 | | 7 | THERMOSTAT HOUSING |
| 8 | | 8 | | 8 | IRD(FRONT)OUTPUT SEAL |
| 9 | | 9 | | 9 | IRD(REAR)OUTPUT SEAL |
| 0 | | 0 | | 0 | IRD INPUT O'RING |

| | | | | | |
|----------|----------------------|----------|---------------------|----------|--------------------------|
| N | LEAKS | S | BLOCKED | W | VIBRATION/OUT OF BALANCE |
| P | DIFFICULT ENGAGEMENT | T | THREAD DAMAGE | X | SURFACE DAMAGE |
| Q | DISCOLOURED | U | INACCURATE/SLIPPING | Y | INTERMITTENT OPERATION |

SECTION 4 - AUTOMATIC GEARBOX & FINAL DRIVE

| 4A | AUTO BOX EXTERNAL | 4B | AUTOMATIC GEARBOX EXTERNAL | 4C | AUTOMATIC GEARBOX INTERNAL |
|----|-----------------------------------|----|--------------------------------|----|----------------------------------|
| 1 | TRANSMISSION CASING | 1 | END FRONT COVER | 1 | FRONT/FORWARD CLUTCH |
| 2 | CONVERTER HOUSING | 2 | EXTENSION HOUSING AND BUSH | 2 | CLUTCH REAR/TOP/REVERSE |
| 3 | CONVERTER HOUSING BUSH/BEARING | 3 | RELAY AUTO GEARSHIFT INTERLOCK | 3 | FRONT/2 ND GEAR BAND |
| 4 | TORQUE CONVERTER | 4 | RELAY GEARSHIFT NEUTRAL | 4 | |
| 5 | TORQUE CONVERTER DRIVE PLATE | 5 | | 5 | REAR/REVERSE BAND |
| 6 | | 6 | | 6 | |
| 7 | FRONT/MAIN OIL PUMP | 7 | DIPSTICK | 7 | FRONT 2 ND GEAR SERVO |
| 8 | OIL PUMP DRIVE | 8 | FILLER TUBES | 8 | REAR/REVERSE GEAR SERVO |
| 9 | FRONT PUMP BUSH | 9 | OIL COOLER | 9 | VALVE BLOCK ASSEMBLY |
| 0 | SUMP PAN | 0 | OIL COOLER HOSES/PIPES | 0 | DIRECT DRIVE/CONVERTER CLUTCH |
| | ELECTRICAL ITEMS SEE 7H | | | | |
| | SEALS AND JOINTS SEE 4H 4J | | | | |

| 4D | AUTOMATIC GEARBOX INTERNAL | 4E | AUTOMATIC GEARBOX INTERNAL | 4F | AUTOMATIC GEARBOX CONTROLS |
|----|----------------------------|----|----------------------------|----|-------------------------------|
| 1 | INPUT SHAFT | 1 | GOVERNOR/GOVERNOR VALVE | 1 | SELECTOR LEVER |
| 2 | GEAR TRAIN | 2 | | 2 | SELECTOR LINKAGE/BELL CRANK |
| 3 | OUTPUT SHAFT | 3 | ACCUMULATOR | 3 | SELECTOR CABLE |
| 4 | UNI DIRECTIONAL CLUTCHES | 4 | | 4 | PARK CABLE |
| 5 | BEARINGS/WASHERS/BUSHES | 5 | | 5 | KICKDOWN CABLE AND LINKAGE |
| 6 | | 6 | | 6 | |
| 7 | PARK LOCK MECHANISM | 7 | | 7 | VACUUM CAPSULE HOSE |
| 8 | SPEEDO DRIVE GEARS | 8 | | 8 | GEAR SELECTOR INDICATOR PLATE |
| 9 | STATOR SUPPORT | 9 | | 9 | GEAR SELECTOR PLASTIC SLIDE |
| 0 | | 0 | | 0 | |
| | *ANGLE DRIVES 7T4 | | | | ELECTRICAL ITEMS SEE 7H |

| 4G | AUTO BOX SPECIAL CONDITIONS | 4H | SEAL JOINTS | 4J | AUTO BOX SEALS/JOINTS |
|----|-----------------------------|----|------------------------------------|----|---------------------------|
| 1 | NO DRIVE IN 1 | 1 | CONVERTOR/FRONT PUMP SEAL | 1 | |
| 2 | NO DRIVE IN 2 | 2 | MAIN OIL PUMP JOINT ' O' RING | 2 | |
| 3 | NO DRIVE IN 3 | 3 | STATOR SUPPORT SEAL | 3 | |
| 4 | NO DRIVE IN D | 4 | | 4 | END/FRONT COVER |
| 5 | NO DRIVE IN REVERSE | 5 | | 5 | EXTENSION/GOVERNOR SEAL |
| 6 | | 6 | FRONT COVER GASKET | 6 | |
| 7 | | 7 | SUMP/VALVE BLOCK COVER GASKET | 7 | |
| 8 | | 8 | SELECTOR CABLE/SHAFT SEAL | 8 | EXTENSION GOVERNOR GASKET |
| 9 | OIL LEVEL LOW AUTO BOX* | 9 | KICKDOWN CABLE/LEVER GASKT/SEAL | 9 | |
| 0 | | 0 | | 0 | |
| | *4TH DIGIT X ONLY | | | | |

| 4K | P'SHAFT G'BOX TO AXLE | 4L | DRIVE SHAFT TO WHEEL | 4M | AUTO BOX REPLACEMENT |
|----|-----------------------|----|------------------------------|----|----------------------------|
| 1 | PROPELLER SHAFT/S | 1 | DRIVE SHAFT/AXLE SHAFT FRONT | 1 | SLIP/LOSS OF FORWARD DRIVE |
| 2 | SUPPORT BEARINGS | 2 | CONSTANT VELOCITY JOINT | 2 | SLIP/LOSS OF REVERSE DRIVE |
| 3 | UNIVERSAL JOINTS | 3 | CONSTANT VELOCITY JOINT BOOT | 3 | SLIP/LOSS OF ALL GEARS |
| 4 | FIXINGS BOLTS | 4 | CONSTANT VELOCITY SHAFT SEAL | 4 | NO UPSHIFT/DOWNSHIFT |
| 5 | SLIDING SPLINE | 5 | DRIVE SHAFT/AXLE SHAFT REAR | 5 | INCORRECT SHIFT SPEEDS |
| 6 | G.I. JOINT | 6 | DRIVE SHAFT CIRCLIP | 6 | ERRATIC GEAR CHANGE |
| 7 | VISCOUS COUPLING | 7 | | 7 | |
| 8 | TORSIONAL DAMPER | 8 | | 8 | |
| 9 | FLEXIBLE COUPLING | 9 | FIXING BOLTS | 9 | |
| 0 | | 0 | | 0 | |

| | | | | | |
|---|------------------|---|--------------------------|---|------------------------|
| A | WRONGLY ADJUSTED | E | CRACKED/SPLIT/CUT | J | WORN/STRETCHED |
| B | POROUS/ADRIFT | F | SEIZED/STIFF | K | NOISY/CHAFED |
| C | BAD FIT | G | LOOSE | L | JUDDER/POOR CONNECTION |
| D | BROKEN | H | CORRODED/PLATING FAILURE | M | |

SECTION 4 - AUTOMATIC GEARBOX & FINAL DRIVE

| 4N | FINAL DRIVE/AXLE CASE | 4P | FRONT AXLE GEARS AND PINIONS | 4Q | AXLE GEARS AND PINIONS |
|----|-------------------------------|----|------------------------------|----|----------------------------------|
| 1 | AXLE CASE/FINAL DRIVE HOUSING | 1 | CROWN WHEEL AND PINION | 1 | DIFF GEAR CARRIER BEARINGS |
| 2 | BREATHER | 2 | CROWN WHEEL BOLTS | 2 | DIFF CLUTCH PLATES |
| 3 | PINION HOUSING | 3 | PINION BEARINGS | 3 | INPUT FLANGE TO PINION, BOLT/NUT |
| 4 | EXTENSION HOUSING | 4 | DIFF GEARS AND SPINDLES | 4 | PINION SPLINES |
| 5 | MOUNTING BRACKETS | 5 | DIFF CASING AND THRST WSRS | 5 | |
| 6 | RIGID AXLE TUBE | 6 | HEAD HEIGHT SPACER | 6 | HEAD HEIGHT SPACER |
| 7 | FILLER/DRAIN PLUG | 7 | PRE - LOAD SPACER | 7 | |
| 8 | BREATHER PIPES | 8 | INPUT FLANGE AND SPLINE | 8 | |
| 9 | HARMONIC DAMPER | 9 | MUD SHIELD INPUT FLANGE | 9 | |
| 0 | AXLE YOKE & COLLETS | 0 | | 0 | |

| 4R | REAR AXLE GEARS AND PINIONS | 4S | DIFFERENTIAL SEALS AND JOINTS | 4T | |
|----|---|----|--|----|--|
| 1 | CROWN WHEEL AND PINION | 1 | INPUT SHAFT/PINION OIL SEAL REAR AXLE | 1 | |
| 2 | CROWN WHEEL BOLTS | 2 | OUTPUT SHAFT SEAL | 2 | |
| 3 | PINION BEARINGS | 3 | OUTPUT SHAFT GASKET | 3 | |
| 4 | DIFF GEARS AND SPLINDLES | 4 | AXLE CASE COVER GASKET | 4 | |
| 5 | DIFF CASING AND THRST WSRS | 5 | INPUT SHAFT/PINION OIL SEAL FRONT AXLE | 5 | |
| 6 | PINION SHAFT AND FLANGE | 6 | AXLE CASE OUTER OIL SEAL | 6 | |
| 7 | PRE - LOAD SPACER | 7 | | 7 | |
| 8 | INPUT FLANGE AND SPLINE | 8 | | 8 | |
| 9 | MUD SHIELD INPUT FLANGE | 9 | | 9 | |
| 0 | DRIVESHAFT RETAINING CIRCLIP N.B. FOR HEAD HEIGHT SPACER SEE 4Q6 | 0 | *RIGID AXLE HUB SEALS 5V3 5W3 | 0 | |

| 4U | | 4V | | 4W | |
|----|--|----|--|----|--|
| 1 | | 1 | | 1 | |
| 2 | | 2 | | 2 | |
| 3 | | 3 | | 3 | |
| 4 | | 4 | | 4 | |
| 5 | | 5 | | 5 | |
| 6 | | 6 | | 6 | |
| 7 | | 7 | | 7 | |
| 8 | | 8 | | 8 | |
| 9 | | 9 | | 9 | |
| 0 | | 0 | | 0 | |

| 4X | | 4Y | | 4Z | |
|----|--|----|--|----|--|
| 1 | | 1 | | 1 | |
| 2 | | 2 | | 2 | |
| 3 | | 3 | | 3 | |
| 4 | | 4 | | 4 | |
| 5 | | 5 | | 5 | |
| 6 | | 6 | | 6 | |
| 7 | | 7 | | 7 | |
| 8 | | 8 | | 8 | |
| 9 | | 9 | | 9 | |
| 00 | | | | 0 | |

| | | | | | |
|---|----------------------|---|-----------------------------|---|--------------------------|
| N | LEAKS | S | BLOCKED | W | VIBRATION/OUT OF BALANCE |
| P | DIFFICULT ENGAGEMENT | T | SHORT CIRCUIT/THREAD DAMAGE | X | SURFACE DAMAGE |
| Q | DISCOLOURED | U | INACCURATE/SLIPPING | Y | INTERMITTENT OPERATION |
| R | FACTORY DAMAGE | V | | Z | INOPERATIVE |

SECTION 5 - CHASSIS, STEERING & SUSPENSION

5A CHASSIS AND FITTINGS

| | |
|---|---------------------------|
| 1 | FRAME |
| 2 | SUMP GUARD |
| 3 | DETACHABLE CROSS MEMBER |
| 4 | LONGITUDINAL MEMBERS |
| 5 | CROSS MEMBERS |
| 6 | OUTRIGGERS |
| 7 | WELDS/RIVETS/BOLTS |
| 8 | ENGINE BRACKETS AND BOLTS |
| 9 | FRONT SUB FRAME |
| 0 | REAR SUB FRAME |

5B CHASSIS AND FITTINGS

| | |
|---|----------------------------|
| 1 | NATO TOWING HOOK |
| 2 | TOWING BALL |
| 3 | DRAW BAR/TOWING HOOK |
| 4 | TOWING PLATE/MTGS |
| 5 | BODY MTG BRACKETS |
| 6 | NUDGE BAR |
| 7 | UNDER RIDE PROTECTION BAR |
| 8 | DETACHABLE TOWING X MEMBER |
| 9 | FRONT RECOVERY LOOP |
| 0 | REAR RECOVERY LOOP |
| | TRAILER SOCKET 7Z6 |

5C RUBBER MOUNTINGS

| | |
|---|-------------------------|
| 1 | ENGINE/POWER UNIT |
| 2 | GEARBOX |
| 3 | ENGINE UPPER TIE BAR |
| 4 | BODY |
| 5 | ENGINE LOWER TIE BAR |
| 6 | DIFFERENTIAL BUSH-FRONT |
| 7 | DIFFERENTIAL BUSH-REAR |

5D STEERING COLUMN

| | |
|---|--------------------------------|
| 1 | STEERING WHEEL |
| 2 | COLUMN BEARINGS/BUSHES |
| 3 | MOUNTING BRACKETS |
| 4 | STEERING COLUMN |
| 5 | STEERING COLUMN LOCK |
| 6 | UPPER UJ/FLEXIBLE COUPLING |
| 7 | ADJUSTMENT LEVER |
| 8 | |
| 9 | STEERING COUPLING COVER/GAITER |
| 0 | LOWER UJ/FLEXIBLE COUPLING |

5E STEERING LINKAGE

| | |
|---|----------------------------|
| 1 | DAMPER TELESCOPIC |
| 2 | STEERING LOCK STOP |
| 3 | SIDE/TRACK RODS AND JOINTS |
| 4 | CENTRE TIE RODS AND JOINTS |
| 5 | DRAG LINK AND JOINTS |
| 6 | FRONT WHEEL ALIGNMENT |
| 7 | DROP ARM |
| 8 | STEERING ARM |
| 9 | |
| 0 | TRACK ADJUSTMENT 5E6 |

5F STEERING BOX/RACK & PINION ASSY

| | |
|---|------------------------|
| 1 | BOX ASSEMBLY MANUAL |
| 2 | SEALS/GASKETS MANUAL |
| 3 | BEARINGS/BUSHES MANUAL |
| 4 | BOX/RACK/POWER |
| 5 | SEALS/GASKETS POWER |
| 6 | BEARINGS/BUSHES POWER |
| 7 | |
| 8 | |
| 9 | BOX MOUNTINGS |
| 0 | |

5G POWER STEERING PUMP/HOSES

| | |
|---|-------------------------------|
| 1 | STEERING PUMP |
| 2 | STEERING PUMP SEALS/GASKETS |
| 3 | STEERING PUMP BEARINGS/BUSHES |
| 4 | PIPES AND HOSES |
| 5 | RESERVOIR |
| 6 | RESERVOIR CAP/SEAL |
| 7 | |
| 8 | STEERING PUMP RELIEF VALVE |
| 9 | OIL COOLER (PAS) |
| 0 | |
| | BELT DRIVES SEE 2H |

5H FRONT SUSPENSION

| | |
|---|--------------------------------|
| 1 | RADIUS ARM/BUSHES |
| 2 | |
| 3 | |
| 4 | |
| 5 | TIE BAR AND BUSHES |
| 6 | SWIVEL PIN/KING PIN AND BUSHES |
| 7 | SWIVEL HUB/STUB AXLE |
| 8 | TOP SWIVEL BRG/BALL JOINT |
| 9 | BOTTOM SWIVEL BRG/BALL JOINT |
| 0 | FRONT SWIVEL HUB OIL SEAL |

5J FRONT SUSPENSION

| | |
|---|-------------------------------|
| 1 | LOWER ARM |
| 2 | LOWER ARM BUSHES |
| 3 | PANHARD ROD |
| 4 | PANHARD ROD BUSHES |
| 5 | ANTI ROLL BAR/CLAMPS |
| 6 | ANTI ROLL BAR BUSHES |
| 7 | ANTI ROLL BAR BALL JOINTS |
| 8 | ANTI ROLL BAR LINK |
| 9 | LOWER ARM REAR BUSH HSG. ASSY |
| 0 | |

5K

| | |
|---|--|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 0 | |

5L REAR SUSPENSION

| | |
|---|-------------------------------|
| 1 | LOWER LINK/BUSHES |
| 2 | UPPER LINK/BUSHES |
| 3 | UPPER LINK BALL JOINT |
| 4 | COMPOSITE LINK ASSY |
| 5 | COMPOSITE LINK BUSH |
| 6 | ' A ' FRAME BUSH |
| 7 | ' A ' FRAME BALL JOINT |
| 8 | COMPOSITE LINK HT SENSOR MNT. |
| 9 | PANHARD ROD |
| 0 | PANHARD ROD BUSHES |

5M REAR SUSPENSION

| | |
|---|---------------------------|
| 1 | RADIUS/TRAILING ARM |
| 2 | FRONT BUSH |
| 3 | REAR BUSH |
| 4 | |
| 5 | |
| 6 | |
| 7 | ANTI ROLL BAR/CLAMPS |
| 8 | ANTI ROLL BAR BUSHES |
| 9 | ANTI ROLL BAR BALL JOINTS |
| 0 | |

| | |
|---|------------------|
| A | WRONGLY ADJUSTED |
| B | POROUS/ADRIFT |
| C | BAD FIT |
| D | BROKEN |

| | |
|---|--------------------------|
| E | CRACKED/SPLIT/CUT |
| F | SEIZED/STIFF |
| G | LOOSE |
| H | CORRODED/PLATING FAILURE |

| | |
|---|------------------------|
| J | WORN/STRETCHED |
| K | NOISY/CHAFED |
| L | JUDDER/POOR CONNECTION |
| M | |

SECTION 5 - CHASSIS, STEERING & SUSPENSION

| 5N | FRONT SPRINGS | 5P | REAR SPRINGS | 5Q |
|----|--------------------------------|----|----------------------------------|----|
| 1 | SPRING | 1 | SPRING | 1 |
| 2 | SPRING CUP/PLATE/STRUT ASSY | 2 | SPRING CUP/PLATE/SEAT/STRUT ASSY | 2 |
| 3 | | 3 | | 3 |
| 4 | SHACKLE PINS/PLATES/BUSHES | 4 | SHACKLE PINS/PLATES AND BUSHES | 4 |
| 5 | | 5 | | 5 |
| 6 | | 6 | | 6 |
| 7 | BUMP RUBBERS | 7 | BUMP RUBBERS AND STRAPS | 7 |
| 8 | SPRING PACKING/INSULATING RING | 8 | SPRING ISOLATORS | 8 |
| 9 | | 9 | | 9 |
| 0 | | 0 | | 0 |

| 5R | SHOCK ABSORBERS | 5S | | 5T | LEVELLING UNIT |
|----|-------------------------------|----|--|----|----------------------|
| 1 | FRONT | 1 | | 1 | LEVELLING UNIT |
| 2 | FRONT TOP BUSH | 2 | | 2 | TOP MOUNTING BUSH |
| 3 | FRONT BOTTOM BUSH CLAMP | 3 | | 3 | BOTTOM MOUNTING BUSH |
| 4 | FRONT MOUNTING BRACKETS/BOLTS | 4 | | 4 | BALL JOINTS |
| 5 | REAR | 5 | | 5 | |
| 6 | REAR TOP BUSH | 6 | | 6 | |
| 7 | REAR BOTTOM BUSH | 7 | | 7 | |
| 8 | REAR MOUNTING BRACKETS/BOLTS | 8 | | 8 | |
| 9 | | 9 | | 9 | |
| 0 | | 0 | | 0 | |

| 5U | | 5V | FRONT HUBS | 5W | REAR HUBS |
|----|--|----|---------------------------|----|--------------------------|
| 1 | | 1 | HUBS BOLT ON WHEEL/FLANGE | 1 | DRIVE FLANGE |
| 2 | | 2 | | 2 | HUB CARRIER |
| 3 | | 3 | HUB SEALS | 3 | HUB SEALS |
| 4 | | 4 | HUB BEARINGS | 4 | HUB BEARINGS |
| 5 | | 5 | HUB NUT AND WASHER | 5 | HUB NUTS AND WASHERS |
| 6 | | 6 | WHEEL STUDS | 6 | WHEEL STUDS |
| 7 | | 7 | | 7 | |
| 8 | | 8 | WHEEL NUTS | 8 | WHEEL NUTS BOLT ON WHEEL |
| 9 | | 9 | LOCKING WHEEL NUTS | 9 | |
| 0 | | 0 | | 0 | |

| 5X | WHEELS AND TYRES | 5Y | AIR SUSPENSION | 5Z | AIR SUSPENSION |
|----|-----------------------------|----|--------------------|----|--------------------------------|
| 1 | WHEEL STEEL | 1 | COMPRESSOR | 1 | HEIGHT SENSOR LINK FRONT |
| 2 | WHEEL ALLOY | 2 | INLET FILTER | 2 | HEIGHT SENSOR LINK REAR |
| 3 | SPARE WHEEL ATTACHMENT BRKT | 3 | COMPRESSOR BOBBINS | 3 | UNDER FLOOR BOX |
| 4 | TYRE | 4 | VALVE BLOCK | 4 | LID/INSPECTION HATCH |
| 5 | HUB COVER | 5 | AIR DRYER | 5 | AIR HARNESS (PIPES) |
| 6 | WHEEL CENTRE TRIM | 6 | AIR SPRINGS FRONT | 6 | AIR INLET PIPE |
| 7 | SPARE WHEEL COVER | 7 | AIR SPRINGS REAR | 7 | AIR EXHAUST PIPE |
| 8 | WHEEL BALANCE | 8 | COLLETS | 8 | AIR RESERVOIR AND PLUG |
| 9 | INNER TUBE | 9 | O RINGS | 9 | HEIGHT SENSOR HEATSHIELD FRONT |
| 0 | TYRE VALVE ASSEMBLY | 0 | AIR DRYER PIPES | 0 | |

| | | | | | |
|---|---------------------------|---|---------------------|---|--------------------------|
| N | LEAKS | S | BLOCKED | W | VIBRATION/OUT OF BALANCE |
| P | | T | THREAD DAMAGE | X | SURFACE DAMAGE |
| Q | FADED/STAINED/DISCOLOURED | U | INACCURATE/SLIPPING | Y | INTERMITTENT OPERATION |
| R | FACTORY DAMAGE | V | | Z | INOPERATIVE |

SECTION 6 - BRAKES

| 6A HAND/TRANSMISSION BRAKE | | 6B TRANSMISSION BRAKE | | 6C DISC BRAKE FRONT | |
|-----------------------------------|------------------------|------------------------------|---|----------------------------|--|
| 1 | LEVER ASSEMBLY | 1 | DRUM | 1 | DISCS |
| 2 | LEVER MOUNTING BRACKET | 2 | SHOES AND LININGS | 2 | PADS |
| 3 | CABLES | 3 | BACK PLATE | 3 | CALIPER |
| 4 | RODS | 4 | EXPANDER | 4 | PISTON AND SEALS FRONT CALIPER |
| 5 | COMPENSATOR | 5 | ADJUSTER | 5 | BRAKE PAD RETAINING CLIPS AND SPRINGS - FRONT |
| 6 | GAITER | 6 | PULL OFF SPRINGS | 6 | SLIDE PIN, BOOTS AND PROTECTOR |
| 7 | | 7 | TRANSMISSION BRAKE SHOE HOLD DOWN SPRINGS | 7 | DISC SHIELD |
| 8 | | 8 | | 8 | |
| 9 | | 9 | | 9 | |
| 0 | | 0 | | *0 | BLEED BRAKES AT P D I *USE 4 DIGIT "X" ONLY |

| 6D DISC BRAKE REAR | | 6E | | 6F DRUM BRAKES REAR | |
|---------------------------|--|-----------|--|----------------------------|-------------------|
| 1 | DISCS | 1 | | 1 | DRUM |
| 2 | PADS | 2 | | 2 | SHOES AND LININGS |
| 3 | CALIPER | 3 | | 3 | BACKPLATE |
| 4 | PISTON AND SEALS REAR CALIPER | 4 | | 4 | WHEEL CYLINDER |
| 5 | BRAKE PAD RETAINING CLIPS AND SPRINGS - REAR | 5 | | 5 | |
| 6 | SLIDE PIN, BOOTS AND PROTECTOR | 6 | | 6 | ADJUSTER |
| 7 | DISC SHIELD | 7 | | 7 | PULL OFF SPRINGS |
| 8 | | 8 | | 8 | |
| 9 | | 9 | | 9 | |
| 0 | | 0 | | 0 | |

| 6G MASTER CYLINDER/PIPES | | 6H SERVO SYSTEM | | 6J BRAKE PEDAL ASSEMBLY | |
|---------------------------------|----------------------------|------------------------|------------------------------|--------------------------------|------------------------|
| 1 | MASTER CYLINDER ASSEMBLY | 1 | SERVO ASSEMBLY | 1 | BRAKE PEDAL |
| 2 | SUPPLY TANK/RESERVOIR | 2 | VACUUM PUMP-EXTERNAL | 2 | BRAKE PEDAL BUSHES |
| 3 | RIGID PIPES | 3 | VACUUM PIPE | 3 | BRAKE PEDAL SPRING |
| 4 | FLEXIBLE PIPES | 4 | NON RETURN VALVES | 4 | PEDAL MOUNTING BRACKET |
| 5 | PIPE CONNECTIONS | 5 | MOUNTING BRACKET | 5 | BRAKE PEDAL PAD |
| 6 | PRESSURE REGULATING VALVES | 6 | AIR FILTER | 6 | CLUTCH PEDAL PAD |
| 7 | | 7 | BRAKE VACUUM RESERVOIR | 7 | |
| 8 | WARNING LIGHT ACTUATOR | 8 | | 8 | |
| 9 | LOAD SENSING VALVE | 9 | | 9 | |
| 0 | FLUID LEVEL LOW | 0 | | 0 | |
| | | | VACUUM PUMP-INTERNAL SEE 1K6 | | |

| 6K BRAKES ANTI-LOCK | | 6L BRAKES ANTI-LOCK | | 6M TRACTION CONTROL/HDC | |
|----------------------------|---|----------------------------|-----------------------------------|--------------------------------|----------------------|
| 1 | MASTER CYLINDER | 1 | FRONT EXCITER RING | 1 | VALVE BLOCK |
| 2 | FLUID RESERVOIR | 2 | REAR EXCITER RING | 2 | SHUTTLE VALVE SWITCH |
| 3 | BOOSTER/MODULATOR UNIT | 3 | MODULATOR BRACKET/MOUNTING BUSHES | 3 | |
| 4 | POWER VALVE | 4 | | 4 | |
| 5 | ISOLATING VALVE | 5 | | 5 | |
| 6 | SOLENOID CONTROL VALVES | 6 | | 6 | |
| 7 | SERVO CYLINDERS | 7 | | 7 | |
| 8 | PUMP UNIT | 8 | | 8 | |
| 9 | ACCUMULATOR | 9 | | 9 | |
| 0 | PRESSURE CONCIOUS REDUCING VALVE (PCRV) | 0 | | 0 | TRACTION CONTROL/HDC |
| | | | ELECTRICAL ITEMS SEE 7N | | |

| | | | | | |
|---|------------------|---|--------------------------|---|------------------------|
| A | WRONGLY ADJUSTED | E | CRACKED/SPLIT/CUT | J | WORN/STRETCHED |
| B | POROUS/ADRIFT | F | SEIZED/STIFF | K | NOISY/CHAFED |
| C | BAD FIT | G | LOOSE | L | JUDDER/POOR CONNECTION |
| D | BROKEN | H | CORRODED/PLATING FAILURE | M | BATTERY DISCHARGE |

SECTION 6N ONWARDS - ELECTRICAL & INSTRUMENTS

| | | |
|---|--|--|
| 6N LIGHTS | 6P SWITCHES | 6Q WASHERS |
| 1 HEADLAMP LEVELLING SWITCH | 1 FUEL FILLER FLAP SWITCH | 1 JET |
| 2 HEADLAMP LEVELLING MOTOR | 2 INERTIA SWITCH | 2 ' T' PIECE |
| 3 WARNING LIGHT CHECK UNIT | 3 STEERING WHEEL SWITCH (CRUISE) | 3 BOTTLE |
| 4 ' H' GATE ILLUMINATION | 4 STEERING WHEEL SWITCH (ICE) | 4 BOTTLE LEVEL SENSOR |
| 5 | 5 DOOR OUT STATION | 5 AMBIENT SENSOR |
| 6 | 6 HIGH/LOW MICRO SWITCH | 6 ONE WAY VALVE |
| 7 | 7 HIGH/LOW SELECTOR SHAFT SWITCH | 7 WASHER JETS (UNHEATED) |
| 8 | 8 1ST GEAR SELECTION SWITCH | 8 HEADLAMP BLADE/WIPER |
| 9 | 9 HDC SELECTION SWITCH | 9 |
| 0 WIRING/CONNECTIONS | 0 WIRING/CONNECTIONS | 0 |
| | | FURTHER WASHERS SEE 7Q |
| 6R AIR SUSPENSION | 6S ALARM SYSTEM | 6T AIRBAG |
| 1 ECU (ELECTRONIC CONTROL UNIT) | 1 ECU (ELECTRONIC CONTROL UNIT) | 1 ELECTRICAL CONTROL UNIT MOUNTING BRACKET |
| 2 PRESSURE SWITCH | 2 ULTRA SONIC/MICROWAVE SENSOR | 2 ROTARY COUPLER |
| 3 HEIGHT SENSOR FRONT | 3 REMOTE CONTROL | 3 ELECTRICAL CONTROL UNIT |
| 4 HEIGHT SENSOR REAR | 4 ALARM RELAY | 4 CRASH SENSOR FRONT/REAR |
| 5 CHASSIS HARNESS | 5 BONNET SWITCH | 5 |
| 6 CONTROL SWITCH HARNESS | 6 SOUNDER | 6 |
| 7 CONTROL SWITCHES | 7 LED | 7 RELAY - HEADLAMP WASHERS |
| 8 DISABLE SWITCH | 8 ANTI THEFT IGNITION INTERLOCK | 8 REAR FACING INFRARED SENSOR |
| 9 DELAY RELAY | 9 TRANSFER GEARBOX SOLENOID | 9 |
| 0 CALIBRATION | 0 WIRING AND CONNECTIONS | 0 ELECTRICAL HARNESS |
| 6U CONTROL UNITS | 6V ELECTRIC WINDOWS AND SUNROOF | 6W AIR SUSPENSION |
| 1 CONTROL UNIT - MULTI-FUNCTION | 1 ONE SHOT OPERATION | 1 COMPRESSOR RELAY |
| 2 CONTROL UNIT - WINDOW LIFT | 2 ANTI-TRAP | 2 WARNING LAMP RELAY |
| 3 CONTROL UNIT - SUNROOF | 3 TAIL DOOR WINDOW LIFT SWITCH | 3 |
| 4 BODY ELECTRICAL CONTROL/MODULE | 4 | 4 |
| 5 CONTROL UNIT - AUTO BOX | 5 | 5 |
| 6 CONTROL UNIT - TRANSFER BOX | 6 | 6 |
| 7 | 7 | 7 |
| 8 | 8 | 8 |
| 9 | 9 | 9 |
| 0 | 0 | 0 |
| 6X RADIO/TAPE SYSTEM | 6Y HEATER AND AIRCONDITIONING | 6Z RADIO/TAPE SYSTEM |
| 1 SUB WOOFER SPEAKER | 1 SOLAR SENSOR | 1 BINNACLE RADIO VOLUME SWITCH |
| 2 SIDE WINDOW AERIAL | 2 EXTERIOR AMBIENT SENSOR | 2 BINNACLE RADIO WAVE BAND SWITCH |
| 3 CD CHANGER | 3 WATER TEMPERATURE SENSORS | 3 BINNACLE RADIO STATION SWITCH |
| 4 SLAB AMPLIFIER | 4 EVAPORATOR SENSOR | 4 TRIP COMPUTER |
| 5 DATABUS CABLE | 5 REAR FRESH AIR SERVO | 5 |
| 6 ' A' POST TWEETER (SPEAKER) | 6 AIR DISTRIBUTION SERVO | 6 |
| 7 SPEAKER BRACKET REAR AIR-CONDITIONING | 7 REFRIDGERANT PRESSURE SWITCH | 7 |
| 8 | 8 | 8 |
| 9 | 9 | 9 |
| 0 | 0 | 0 |
| N LEAKS | S OPEN CIRCUIT/BLOCKED | W VIBRATION/OUT OF BALANCE |
| P DUST ENTRY | T SHORT CIRCUIT/THREAD DAMAGE | X BRAKE PULL/SURFACE DAMAGE |
| Q FADED/STAINED/DISCOLOURED | U INACCURATE/SLIPPING | Y INTERMITTENT OPERATION |
| R FACTORY DAMAGE | V BULB/LIGHT UNIT FAILURE | Z INOPERATIVE |

SECTION 7 - ELECTRICAL & INSTRUMENTS

| | | | | | |
|-----------|--|-----------|--|-----------|--|
| 7A | IGNITION SYSTEM | 7B | IGNITION SYSTEM | 7C | STARTING SYSTEM |
| 1 | DISTRIBUTOR ASSEMBLY | 1 | H T LEADS/TERMINALS | 1 | STARTER MOTOR |
| 2 | VACUUM ADVANCE/RETARD CAPSULE | 2 | IGNITION COVER SHIELD/CLIPS | 2 | PINION/BENDIX |
| 3 | DISTRIBUTOR CAP | 3 | BALLAST RESISTOR/LEAD | 3 | PINION SUPPORT BUSH |
| 4 | POINTS/CONDENSER | 4 | IGNITION/STARTER SWITCH | 4 | STARTER MOTOR HEAT SHIELD |
| 5 | CRANK SENSOR | 5 | CONSTANT ENERGY IGNITION UNIT | 5 | SOLENOID |
| 6 | ROTOR | 6 | TIMING ROTOR/RELUCTOR | 6 | |
| 7 | COIL (HT) LEAD | 7 | PICK UP MODULE/STATOR | 7 | STARTER MOTOR RELAY |
| 8 | COIL | 8 | AMPLIFIER UNIT/IGNITER | 8 | HEATER PLUG TIMER/CUT OUT |
| 9 | SPARKING PLUGS | 9 | IGNITION RELAY | 9 | |
| 0 | KNOCK SENSOR | 0 | WIRING/CONNECTIONS (NOT H T) | 0 | WIRING/CONNECTIONS |
| | AUDIBLE IGNITION WARNING 7P6 | | AUDIBLE IGNITION WARNING 7P6 | | STARTER RING GEAR 1C7 |
| 7D | CHARGING AND ENGINE MISC | 7E | CHARGING/IGNITION/ENGINE MISC. | 7F | ENGINE MISCELLANEOUS |
| 1 | MANIFOLD HEATER SENSOR | 1 | | 1 | HEATER PLUG |
| 2 | MANIFOLD HEATER RELAY | 2 | BATTERY | 2 | ELECTRIC FANS (COOLING) |
| 3 | ALTERNATOR (24 VOLT) | 3 | BATTERY TERMINALS/LEADS | 3 | HEATER - FUEL FILTER |
| 4 | ALTERNATOR HEAT SHIELD/GUARD | 4 | BATTERY MOUNTING/CARRIER | 4 | COOLING FAN RELAY |
| 5 | ALTERNATOR | 5 | | 5 | FUEL PUMP RELAY |
| 6 | GENERATOR PANEL (LR 24V) | 6 | | 6 | COOLING FAN THERMAL SWITCH |
| 7 | ALTERNATOR BRACKETS | 7 | CRANK SENSOR | 7 | COOLING FAN AND MOTOR |
| 8 | ALTERNATOR CONTROL UNIT | 8 | CAM SENSOR | 8 | DIAGNOSIS SOCKET/TRANSDUCER |
| 9 | ALTERNATOR FIELD RELAY | 9 | SPLIT CHARGE BLOCKING DIODE | 9 | FUEL DELIVERY PUMP |
| 0 | WIRING CONNECTIONS | 0 | BATTERY CHECK/CHARGE PROCEDURE SEE ALSO 7A | 0 | WIRING/CONNECTIONS |
| | BELT DRIVES SEE 2G | | | | CARBURETER HEATING DEVICES SEE 2L |
| 7G | ELECTRONIC FUEL INJECTION | 7H | TRANSMISSION | 7J | LIGHTS |
| 1 | CONTROL UNIT (ECU) | 1 | REVERSE LIGHT SWITCH | 1 | HEAD |
| 2 | OVERRUN/FUEL CUT OFF SWITCH | 2 | AUTOMATIC INHIBITOR SWITCH | 2 | SIDE/FRONT FLASHER |
| 3 | WATER TEMPERATURE SENSOR | 3 | TRANSFER BOX NEUTRAL SWITCH | 3 | STOP/TAIL/REAR FLASHER |
| 4 | AIR TEMPERATURE SENSOR | 4 | OIL TEMPERATURE SENSOR | 4 | SIDE MARKER/REPEATER FLASHER |
| | | | GEARBOX | | |
| 5 | THROTTLE SWITCH/POTENTIOMETER | 5 | THROTTLE SWITCH | 5 | NUMBER PLATE |
| 6 | COLD START INJECTOR | 6 | OIL TEMP SENSOR TRANSFER BOX | 6 | REVERSE LAMP |
| 7 | COLD START RELAY | 7 | TRANSFER BOX SPEED SENSOR | 7 | AUXILIARY DRIVING LAMPS |
| 8 | INJECTOR | 8 | TRANSFER BOX SHIFT MOTOR | 8 | REAR FOG GUARD LAMP |
| 9 | FUEL TEMPERATURE SENSOR | 9 | DIFFERENTIAL LOCK SWITCH | 9 | INTERIOR |
| 0 | WIRING AND CONNECTIONS (CONTINUED AT 7W) | 0 | WIRING/CONNECTIONS | 0 | HIGH MOUNTED STOP LAMP |
| | | | N.B. SEE 6P8 FOR OTHER SWITCHES | | |
| 7K | LIGHTS | 7L | LIGHT SWITCHES | 7M | SWITCHES, RELAYS, ETC |
| 1 | INSTRUMENT ILLUMINATION | 1 | MASTER SIDE/HEAD/FOG | 1 | PANEL LIGHT SWITCH/RHEOSTAT |
| 2 | GEAR QUADRANT | 2 | DIRECTION INDICATOR TRIP | 2 | BOOT/BONNET LIGHT SWITCH |
| 3 | BOOT/BONNET | 3 | DIRECTION INDICATOR | 3 | HEADLAMP RELAY |
| 4 | CONVOY LAMP | 4 | HAZARD WARNING | 4 | INDICATOR FLASHER UNIT |
| 5 | RELECTORS | 5 | INTERIOR HAND OPERATED | 5 | HAZARD WARNING FLASHER UNIT |
| 6 | FRONT FOG LIGHTS | 6 | INTERIOR DOOR OPERATED | 6 | DIM/DIP RELAY/RESISTOR |
| 7 | DOOR SAFETY LIGHT | 7 | REAR FOG LIGHT | 7 | INTERIOR LIGHT DELAY UNIT |
| 8 | WARNING LIGHTS/CONTROL UNIT | 8 | HEADLAMP FLASHER/DIP | 8 | SUNROOF SWITCH |
| 9 | EMISSION WARNING LIGHT | 9 | AUXILIARY LIGHT | 9 | FUEL TANK CHANGE OVER SOLENOID |
| 0 | LIGHTING WIRING/CONNECTIONS | 0 | SWITCHES WIRING/CONNECTIONS | 0 | WIRING/CONNECTIONS FURTHER SWITCHES SEE 6P |
| * | SEAT BELT WARNING 7P6 | | HEADLAMP LEVELLING SWITCH | | |
| ** | ELECTRIC SEATS AND DOOR LOCKS SEE SECTION 8, ELECTRIC SUNROOF AND MIRROR SEE SECTION 9 FURTHER LIGHTS SEE 6N | | SEE 6N1 | | |
| A | WRONGLY ADJUSTED | E | CRACKED/SPLIT/CUT | J | WORN/STRETCHED |
| B | ADRIFT | F | SEIZED/STIFF | K | NOISY/CHAFED |
| C | BAD FIT | G | LOOSE | L | JUDDER/POOR CONNECTION |
| D | BROKEN | H | CORRODED/PLATING FAILURE | M | |

SECTION 7 - ELECTRICAL & INSTRUMENTS

| | | |
|-------------------------------|---------------------------------|--------------------------------|
| 7N BRAKES | 7P SEAT BELT WARNING | 7Q WASHERS AND HORNS |
| 1 STOP LAMP SWITCH | 1 SEAT BELT CONTROL UNIT | 1 WINDSCREEN WASHER MOTOR/PUMP |
| 2 FLUID LEVEL SWITCH | 2 SEAT SWITCH | 2 WINDSCREEN WASHER SWITCH |
| 3 HYDRAULIC FAILURE SWITCH | 3 PASSENGERS BELT BUCKLE SWITCH | 3 REAR SCREEN WASH MOTOR/PUMP |
| 4 PAD WEAR WARNING DEVICE | 4 DRIVERS BELT BUCKLE SWITCH | 4 REAR SCREEN WASHER SWITCH |
| 5 FAILURE/TEST CIRCUIT SWITCH | 5 | 5 TUBES |
| 6 HANDBRAKE SWITCH | 6 AUDIBLE/VISUAL WARNING DEVICE | 6 HORN |
| 7 ANTI LOCK SENSOR | 7 WIRING/HARNESS PLUG | 7 HORN PUSH/SWITCH |
| 8 ANTI LOCK ECU | 8 AUDIBLE WARNING DOOR SWITCH | 8 HORN RELAY |
| 9 ANTI LOCK RELAYS | 9 | 9 HEATED WASHER JETS |
| 0 WIRING/CONNECTIONS | 0 | 0 HEADLIGHT WASHER MOTOR |
| | | WASHER WIRING/CONNECTIONS 7Y2 |
| | | HORN WIRING/CONNECTIONS 7Y7 |
| | | FURTHER WASHERS SEE 6Q |

| | | |
|--------------------------------|--|--|
| 7R WIPERS | 7S HEATING AND AIR CONDITIONING | 7T INSTRUMENTS |
| 1 WINDSCREEN WIPER MOTOR | 1 MOTOR HEATER | 1 SPEEDOMETER ASSEMBLY |
| 2 WINDSCREEN WIPER SWITCH | 2 SWITCH HEATER | 2 ROAD SPEED TRANSDUCER |
| 3 REAR SCREEN WIPER MOTOR | 3 RELAY - BLOWER MOTOR | 3 SPEEDO CABLE(S)/ODOMETER MOTOR |
| 4 LINKAGE | 4 MOTOR AIR CONDITIONING | 4 SPEEDO ANGLE DRIVE-MECHANICAL TACHOMETER |
| 5 REAR SCREEN WIPER SWITCH | 5 SWITCH AIR CONDITIONING | 5 ROAD SPEED TRANSDUCER (EMISSIONS) |
| 6 BLADES/ARMS | 6 AIR CONDITIONING FAN RELAY | 7 SPEEDO ANGLE DRIVE-ELECTRICAL |
| 7 DELAY UNIT | 7 COMPRESSOR CLUTCH | 8 OIL TEMPERATURE TRANSMITTER |
| 8 WIPER MOTOR RELAY | 8 COMPRESSOR CLUTCH RELAY | 9 OIL TEMPERATURE GAUGE |
| 9 HEADLAMP WIPER MOTOR | 9 TEMPERATURE CONTROL SWITCH | 0 MESSAGE CENTRE |
| 0 HEADLAMP WIPER/WASHER SWITCH | 0 WIRING/CONNECTIONS | TACHOGRAPH SEE 9W |
| * WIPER WIRING/CONNECTIONS 7Y9 | | CRUISE CONTROL SEE 2W |
| * CONTROL UNIT SEE 6U1 | | |

| | | |
|---------------------------------|--------------------------------------|---|
| 7U INSTRUMENTS | 7V INSTRUMENTS | 7W ELEC INJECTION AND EMISSION |
| 1 WATER TEMPERATURE GAUGE | 1 FUEL TANK SWITCH | 1 STEPPER MOTOR AIR VALVE |
| 2 LOW OIL LEVEL INDICATOR | 2 OIL PRESSURE GAUGE | 2 AIR FLOW METER |
| 3 WATER TEMPERATURE TRANSMITTER | 3 OIL PRESSURE TRANSMITTER | 3 THERMO TIME SWITCH |
| 4 WATER LEVEL SWITCH | 4 OIL PRESSURE SWITCH | 4 MAIN RELAY (CONTROL CIRCUIT) |
| 5 VOLTAGE STABILIZER/M F E S | 5 LOW COOLANT PROBE | 5 EXTRA AIR VALVE |
| 6 CHOKE LIGHT SWITCH | 6 LOW COOLANT CONTROL UNIT | 6 POWER RESISTOR PACK |
| 7 FUEL GAUGE | 7 CLOCK/REMOTE DISPLAY | 7 EMISSION MAINTENANCE CONTROL UNIT |
| 8 FUEL TANK UNIT | 8 BATTERY INDICATOR/FUEL TEMP SENSOR | 8 EMISSION MAINTENANCE LIGHT |
| 9 FUEL LEVEL LIGHT SWITCH | 9 PRINTED CIRCUITS/MOTHERBOARD | 9 FUEL CUT OFF RELAY |
| 0 ENGINE HOUR METER | 0 INSTRUMENT WIRING/CONNECTIONS | 0 ANTI RUN ON VALVE SOLENOID WIRING/CONNECTIONS 7GO |

| | | |
|------------------------------|-----------------------------|--|
| 7X ELECTRIC WINDOW | 7Y WIRING HARNESS | 7Z MISCELLANEOUS |
| 1 SWITCH/TIMER | 1 MAIN HARNESS | 1 CIGAR LIGHTER/ACCESSORY SOCKET |
| 2 MOTOR AND RELAY | 2 WASHER WIRING/CONNECTIONS | 2 FUSE BOX |
| 3 MECHANISM/LINKAGE | 3 FACIA HARNESS | 3 RADIO/TAPE |
| 4 HEATED SCREEN CONTROL UNIT | 4 FRONT WIPER PROGRAMMER | 4 AERIAL |
| 5 THERM CUT OFF | 5 REAR WIPER PROGRAMMER | 5 SPEAKER |
| 6 WIRING/CONNECTIONS | 6 WIRING FUEL PUMP | 6 TRAILER SOCKET |
| 7 HEATED SCREEN FRONT | 7 HORN WIRING/CONNECTIONS | 7 SPEAKER BALANCE CONTROL |
| 8 HEATED SCREEN REAR | 8 ECU WIRING/CONNECTIONS | 8 AERIAL AMPLIFIER |
| 9 HEATED SCREEN SWITCH/RELAY | 9 WIPER WIRING/CONNECTIONS | 9 LRP ACCESSORIES |
| 0 SCREEN WIRING/CONNECTIONS | 0 ELECTRIC MIRROR HARNESS | 0 100 KPH SPEED WARNING UNIT |
| * CONTROL UNIT SEE 6U1 | | * FURTHER RADIO/TAPE ITEMS CONTINUED AT 6Z |

| | | |
|-----------------------------|-------------------------------|----------------------------|
| N LEAKS | S OPEN CIRCUIT/BLOCKED | W VIBRATION/OUT OF BALANCE |
| P DUST ENTRY | T SHORT CIRCUIT/THREAD DAMAGE | X |
| Q FADED/STAINED/DISCOLOURED | U INACCURATE/SLIPPING | Y INTERMITTENT OPERATION |
| R FACTORY DAMAGE | V BULB/LIGHT UNIT FAILURE | Z INOPERATIVE |

SECTION 8 - BODY INTERIOR & LOCKS

| 8A SEATS | 8B SEATS | 8C TRIM AND INSULATION |
|---|----------------------------------|---|
| 1 FRONT SLIDE AND ADJUSTER | 1 FRONT COVER MATERIAL/FINISHERS | 1 FLOOR COVERINGS (NOT BOOT) |
| 2 SEAT/FLOOR BOLTS AND BRACKETS | 2 HEAD RESTRAINT | 2 FLOOR COVER FIXINGS (NOT BOOT) |
| 3 FRONT SEAT SQUAB | 3 TIPPING MECHANISM | 3 FASCIA PANEL |
| 4 FRONT RAKE ADJUSTER | 4 MECHANISM (OCCASIONAL SEAT) | 4 GLOVEBOX, HINGES, STRAPS |
| 5 FRONT FRAME AND ARM REST | 5 RETAINING STRAP | 5 HEADLINING/CONVERTIBLE ROOF INTERIOR TRIM |
| 6 REAR FRAME AND ARM REST | 6 POWER SEAT FRAME | 6 DOOR LINER/CASING |
| 7 REAR FOLDING SEAT FRAME AND HINGE(INCLUDING FOLD RELEASE) | 7 POWER SEAT MOTOR | 7 DOOR ARM REST TRIM |
| 8 SEAT PADDING AND SPRINGS | 8 POWER SEAT SWITCH | 8 BONNET INSULATION |
| 9 FRONT COVER STICHING/WELD | 9 POWER SEAT HARNESS | 9 FLOOR COVER AND LINER (BOOT) |
| 0 REAR COVER STITCHING/WELD | 0 LUMBAR SUPPORT MECHANISM | 0 BOOT FLOOR COVER FIXINGS |
| | CONTINUED AT 8H | |

| 8D TRIM AND INSULATION | 8E TRIM AND INSULATION | 8F WINDOW CATCHES/MECHANISM |
|--|-----------------------------------|--------------------------------|
| 1 SILL PROTECTION/KICK PLATE | 1 HIGH/LOW LEVER GAITER | 1 REGULATOR MECHANISM (MANUAL) |
| 2 REAR LOAD COVER/SECURITY BLIND | 2 FASCIA UPPER CONSOLE | 2 REGULATOR HANDLE |
| 3 "A"POST TRIM | 3 TUNNEL FINISHER/CONSOLE | 3 HINGE/CATCH SIDE WINDOW |
| 4 DOOR CAPPING | 4 MAIN GEAR LEVER GAITER | 4 HINGE/CATCH VENT WINDOW |
| 5 BULKHEAD INSULATION | 5 HANDBRAKE LEVER GAITER | 5 |
| 6 SPARE WHEEL COVER/STRAP | 6 CONSOLE CAPPING | 6 FRONT CHANNEL WINDOW LIFT |
| 7 TUNNEL | 7 STEERING NACELLE | 7 REAR CHANNEL WINDOW LIFT |
| 8 B/C POST TRIM | 8 STEERING WHEEL CENTRE FINISHER | 8 DOOR GLASS CHANNEL FRONT |
| 9 D'POST TRIM(INCLUDING ROLL BAR TRIM) | 9 CUBBY BOX | 9 DOOR GLASS CHANNEL REAR |
| 0 TOOL COVER | 0 FACIA PANEL CAPPING/RUBBER MATS | 0 |
| *ONE PIECE DOOR LINER 8C6 | | ELECTRIC WINDOW SEE 7X |

| 8G WINDOW GLASS | 8H SEATS | 8J HEATED SEATS |
|---|---|------------------------------|
| 1 FRONT SCREEN | 1 INNER FACING SEAT FRAME | 1 HEATER PAD |
| 2 REAR SCREEN | 2 INNER FACING SEAT SQUAB | 2 HEATED SEAT CONTROL SWITCH |
| 3 SIDE WINDOWS(DOOR GLASS) | 3 INNER FACING SEAT BACKREST | 3 HEATED SEAT RELAY |
| 4 ALPINE LIGHT | 4 REAR SEAT SQUAB | 4 |
| 5 SUNROOF GLASS | 5 REAR SEAT COVER MATERIAL | 5 |
| 6 SUNROOF GLASS STOWAGE BAG | 6 REAR FOLDING SEAT CATCH | 6 |
| 7 SCREEN HEADER TRIM | 7 REAR FOLDING SEAT RELEASE & LOCK DOWN INDICATOR | 7 |
| 8 | 8 MEMORY SEAT CONTROL SWITCH | 8 |
| 9 | 9 MEMORY SEAT ECU | 9 |
| 0 SIXTH LIGHT/QUARTERLIGHT GLASS (OPENING & FIXED) WATER ENTRY SEE 9H 9J SOFT TOP WINDOWS 9E9 | 0 RELAY - SEAT ADJUSTMENT | 0 |

| 8K ELECTRIC DOOR LOCK | 8L TRIM AND INSULATION | 8M HEATING |
|--|--|--|
| 1 HEATING ELEMENT | 1 ALPINE LIGHT TRIM LH | 1 HEATER UNIT |
| 2 SUPER LOCKING | 2 ALPINE LIGHT TRIM RH | 2 HEATER UNIT RADIATOR |
| 3 | 3 REAR SIDE INTERIOR TRIM LH | 3 HEATER FAN (NOT MOTOR) |
| 4 DOOR LOCK SOLENOID BRACKET | 4 REAR SIDE INTERIOR TRIM RH | 4 HEATER FLAPS |
| 5 DOOR LOCK SOLENOID/MOTOR | 5 REAR HEADER TRIM | 5 AIR INTAKE FILTER |
| 6 DOOR LOCK SWITCH | 6 E'POST TRIM/DE'POST TRIM ONE PIECE | 6 |
| 7 DOOR LOCK RELAY/CONTROL BOX | 7 CONTROLS - FRONT | 7 CONTROLS - FRONT |
| 8 UPPER TAILGATE SOLENOID | 8 ACCESS PANEL REAR AIR-CONDITIONING | 8 CONTROLS - REAR |
| 9 UPPER TAILGATE SOLENOID COVER | 9 VENT ASSEMBLY-HEADLINING REAR AIR-CONDITIONING | 9 FACE LEVEL VENTS AND CONTROLS |
| 0 WIRING CONNECTIONS MECHANICAL FAULTS SEE 8U CONTROL UNIT SEE 6U1 | 0 VENT ASSEMBLY-HEADER REAR AIR-CONDITIONING | 0 CONTROL CABLES ELECTRICAL ITEMS SEE 7S WATER HOSES 2E4 2E5 |

| | | |
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| A WRONGLY ADJUSTED | E CRACKED/SPLIT/CUT | J WORN/STRETCHED |
| B POROUS/ADRIFT | F SEIZED/STIFF | K NOISY/CHAFED |
| C BAD FIT | G LOOSE | L JUDDER/POOR CONNECTION |
| D BROKEN | H CORRODED/PLATING FAILURE | M REMOTE OPERATION |

SECTION 8 - BODY INTERIOR & LOCKS

| | | |
|------------------------------------|----------------------------------|----------------------------|
| 8N HEATING/AIR-CONDITIONING | 8P SEAT BELTS | 8Q AIR CONDITIONING |
| 1 DUCTS AND AIR HOSES | 1 FRONT BELT REEL | 1 COMPRESSOR UNIT |
| 2 WATER TAP/CENTRE VALVE | 2 FRONT BELT CENTRE BUCKLE/STALK | 2 CONDENSER |
| 3 VACUUM MOTORS | 3 FRONT BELT WEBBING | 3 DRIER BOTTLE |
| 4 VACUUM HOSES | 4 FRONT BELT MOUNTING | 4 PIPES REFRIDGERANT |
| 5 VACUUM SWITCH/SOLENOID | 5 REAR BELT REEL | 5 HOSES VACUUM |
| 6 NON RETURN VALVE | 6 REAR BELT CENTRE BUCKLE/STALK | 6 EVAPORATION UNIT |
| 7 REAR AIR-CONDITIONING UNIT | 7 REAR BELT WEBBING | 7 OUTLET DUCTS |
| 8 REAR MOTOR - AIR-CONDITIONING | 8 REAR BELT MOUNTING | 8 EXPANSION VALVE |
| 9 SWITCH - REAR AIR-CONDITIONING | 9 REAR BELT REEL COVER | 9 BRACKETS AND MOUNTINGS |
| 0 DUCTING - REAR AIR-CONDITIONING | 0 SEAT BELT HEIGHT ADJUSTER | 0 BELT DRIVES SEE 2G |
| | ELECTRICAL ITEMS SEE 7P | ELECTRICAL ITEMS SEE 7S 8R |
| | SEAT BELTS CONTINUED AT 8Y | |

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|---------------------------------------|-----------------------------|--|
| 8R AIR CONDITIONING (ELECTRIC) | 8S INTERIOR FITTINGS | 8T TOOLS/INTERIOR FITTINGS |
| 1 FAN SWITCH | 1 MIRROR FIXINGS/BEZEL | 1 SECURITY BAG/LOCKABLE STOWAGE BOX LID ASSEMBLY |
| 2 AMBIENT SENSOR | 2 INSTRUMENT BINNACLE | 2 TOOL CONTAINER |
| 3 HIGH PRESSURE SWITCH | 3 MIRROR | 3 HAND TOOLS |
| 4 IN CAR SENSOR | 4 SUN VISORS | 4 JACK |
| 5 FAN SPEED RESISTOR | 5 ASH TRAY | 5 JACK HANDLE |
| 6 MODE SELECTOR | 6 FRONT DOOR BIN | 6 DIPPING INTERIOR MIRROR SENSOR |
| 7 VACUUM RESERVOIR | 7 CASSETTE STORAGE TRAY | 7 DIPPING INTERIOR MIRROR MECHANISM |
| 8 VACUUM SWITCH | 8 STOWAGE NETS | 8 MIRROR - MAP LIGHT |
| 9 CONDENSER FAN MOTOR | 9 GRAB HANDLES | 9 "A"POST MAP POCKET |
| 0 WIRING CONNECTIONS | 0 VANITY MIRROR | 0 SUB WOOFER GRILLE |
| TEMPERATURE CONTROL SWITCH SEE 7S9 | 0 DIPPING MIRROR SEE 8T | |

| | | |
|--|-------------------------------|----------------------------------|
| 8U SIDE DOOR LOCKS, ETC | 8V TAIL DOOR LOCKS ETC | 8W MISCELLANEOUS LOCKS |
| 1 LOCK ASSEMBLY | 1 LOCK ASSEMBLY | 1 BONNET CATCH MAIN |
| 2 STRIKER | 2 STRIKER | 2 BONNET CATCH SAFETY |
| 3 CHILD SAFETY DEVICE | 3 CHILD SAFETY DEVICE | 3 LINKAGE/CABLE |
| 4 INTERIOR OPENING DEVICE | 4 LOWER TAILGATE LOCK | 4 KEY |
| 5 INTERIOR LOCKING DEVICE | 5 INTERIOR OPENING DEVICE | 5 CUBBY BOX LOCK |
| 6 EXTERIOR HANDLE/FLAP | 6 EXTERIOR HANDLE | 6 FUEL TANK CAP/FILLER FLAP LOCK |
| 7 INTERIOR HANDLE LINKAGE | 7 INTERIOR LINKAGE | 7 BOOT FLOOR STOWAGE LID LOCK |
| 8 EXTERIOR HANDLE LINKAGE | 8 EXTERIOR HANDLE LINKAGE | 8 BONNET LOCK |
| 9 EXTERIOR HANDLE SEATING WASHER | 9 INTERIOR LOCKING DEVICE | |
| 0 DOOR LOCKING BARREL | 0 LOCKING BARREL | |
| ELECTRICALLY OPERATED DOOR LOCKS SEE 8K | | |

| | | |
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| 8X AIR BAG | 8Y SEAT BELTS | 8Z MISCELLANEOUS |
| 1 AIR BAG - DRIVER ASSEMBLY | 1 CENTRE SEAT LAP BELT | 1 HANDBOOK/LITERATURE PACK |
| 2 AIR BAG - PASSENGER ASSEMBLY | 2 CENTRE LAP BELT BUCKLE/STALK | 2 FUSE BOX LID |
| 3 KNEE BOLSTER DRIVER FOAM | 3 INNER FACING SEAT LAP BELT | 3 FASCIA DRINKS TRAY |
| 4 KNEE BOLSTER FUSE BOX COVER | 4 INNER SEAT LAP BELT BUCKLE/STALK | 5 SUNROOF ROLLER BLIND |
| 5 KNEE BOLSTER GEARBOX COVER | 5 HEIGHT ADJUSTER REAR | 6 ACOUSTIC PAD (BELL HOUSING) |
| 6 KNEE BOLSTER PASSENGER FOAM | 6 | 7 ACOUSTIC PAD (ROCKER COVER) |
| 7 | 7 | 8 REAR DOOR BIN |
| 8 | 8 | 9 CUBBY BOX DRINKS TRAY |
| 9 | 9 | |
| 0 | 0 | |

| | | |
|-----------------------------|-------------------------------|----------------------------|
| N LEAKS | S OPEN CIRCUIT/BLOCKED | W VIBRATION/OUT OF BALANCE |
| P DUST ENTRY | T SHORT CIRCUIT/THREAD DAMAGE | X SURFACE DAMAGE |
| Q FADED/STAINED/DISCOLOURED | U INACCURATE/SLIPPING | Y INTERMITTENT OPERATION |
| R FACTORY DAMAGE | V | Z INOPERATIVE |

SECTION 9 - BODY EXTERIOR

| | | |
|--|--|--|
| 9A SHELL AND FIXED PANELS | 9B SHELL AND FIXED PANELS | 9C MOVING/HINGED PANELS |
| 1 SHELL | 1 LOAD FLOOR | 1 FRONT SIDE DOOR HINGED |
| 2 ROOF PANEL | 2 PASSENGER FLOOR | 2 REAR SIDE DOOR HINGED |
| 3 FRONT WINGS | 3 REAR DOOR APERTURE PANEL | 3 WINDOW FRAME |
| 4 REAR WINGS | 4 ' A' POST | 4 |
| 5 AIR INTAKE/VENT/SCUTTLE PANEL | 5 ' B' / ' C' POST | 5 TAILGATE ONE PIECE/UPPER |
| 6 SILL PANELS | 6 ' D' POST | 6 TAILGATE LOWER |
| 7 FRONT SIDE PANEL | 7 HEADLAMP SURROUND PANEL | 7 REAR DOOR |
| 8 REAR SIDE PANEL | 8 REAR SPOILER | 8 BONNET |
| 9 CAP REAR PANEL | 9 FRONT/SPOILER/AIR DAM | 9 |
| 0 REAR LOWER PANEL WATER/DUST ENTRY SEE 9L | 0 SIDE SKIRTS WATER/DUST ENTRY SEE 9L | 0 ROOF VENTS HINGE ADJUST SEE 9F STRIKER ADJUST SEE 8U2 WATER/DUST ENTRY SEE 9H 9J |
| 9D FRONT SUNROOF | 9E SOFT/HARD TOP | 9F HINGES AND SUPPORTS |
| 1 SUNROOF PANEL | 1 HOOD COVER & TRANSIT COVER (SOFT TOP) | 1 SIDE DOOR HINGES |
| 2 SWITCH | 2 STITCH/WELD SEAMS(SOFT TOP) | 2 REAR DOOR HINGES |
| 3 WATER CHANNELS AND TUBES | 3 FRAME ASSEMBLY(SOFT TOP) | 3 TAILGATE HINGES |
| 4 SUNROOF SEALS | 4 CLAMPS/STRIKERS | 4 BONNET HINGES |
| 5 SLIDE MECHANISM/GUIDES/RAILS | 5 SEALING | 5 WINDSCREEN HINGES |
| 6 WIND DEFLECTOR ASSEMBLY | 6 TILT COVER | 6 BONNET SUPPORT/STRUT |
| 7 MOTOR BRACKET AND GUIDE TUBES | 7 HARD TOP PANEL | 7 CHECK ARM/STRAP |
| 8 MOTOR | 8 HOOD REAR/SIDE GLAZING(HARD TOP) | 8 LOWER TAILGATE STAYS |
| 9 RELAY | 9 HOOD WINDOWS(REAR/SIDE GLAZING(SOFT TOP) | 9 TAIL GATE SUPPORT/STRUT |
| 0 * WIRING CONNECTIONS SUNROOF SWITCH SEE 7M8 CONTROL UNIT SEE 6U3 N.B. SEE ALSO 9G | 0 ROOF ON/OFF SWITCH(3 DOOR) | 0 TAILGATE/REAR END DOOR WEDGE |
| 9G HINGES AND SUPPORTS | 9H SEALS | 9J SEALS |
| 1 LOWER TAILGATE TORSION BAR | 1 DOOR APERTURE SEAL | 1 REAR DOOR SEALS |
| 2 BONNET TORSION BAR | 2 WINDOW FIXED SEAL | 2 DOOR GLASS CHANNEL SEAL |
| 3 SUNROOF TILT MECHANISM | 3 QUARTER LIGHT SEAL | 3 DOOR GLASS WAIST SEAL |
| 4 SUNROOF HINGE | 4 WINGS SEAL | 4 ONE PIECE/UPPER TAILGATE SEAL |
| 5 SUNROOF PANEL STOWAGE | 5 HEATER APERTURE SEAL | 5 LOWER TAILGATE SEAL |
| 6 | 6 FRONT SCREEN SEAL | 6 WIPER SPINDLE GROMMET |
| 7 | 7 REAR SCREEN SEAL | 7 DOOR INTERNAL APERTURE SEALING |
| 8 | 8 REAR BUMPER TO BODY SEAL | 8 HOOD BOW/HEADER RAIL SEAL |
| 9 | 9 GROMMETS AND BLANKING PLATES | 9 DRAUGHT EXCLUDER |
| 0 | 0 BONNET APERTURE SEAL WATER ENTRY 4 TH DIGIT 'NDUST ENTRY 4 TH DIGIT P' | 0 TAIL LAMP SEAL WATER ENTRY 4 TH DIGIT 'NDUST ENTRY 4 TH DIGIT P' |
| 9K BODY AND FIXED PANEL WELDS | 9L BODY SEAMS | 9M EXTERIOR FITTINGS |
| 1 MONOCOQUE | 1 FRONT WHEEL ARCH SEAMS | 1 FRONT BUMPER |
| 2 ROOF | 2 REAR WHEEL ARCH SEAMS | 2 REAR EXTRACTOR VENT |
| 3 BULKHEAD | 3 FLOOR SEAMS | 3 FUEL CAP |
| 4 | 4 ROOF/GUTTER SEAMS | 4 HEATER INTAKE & PLENUM FINISHER |
| 5 | 5 BULKHEAD SEAMS | 5 HEADLAMP SURROUND |
| 6 | 6 FUEL FILLER BOX SEAMS | 6 SIDE AND TAIL LAMP SURROUND |
| 7 | 7 AIR INTAKE/PLENUM SEAMS | 7 GRILLE AND SURROUND |
| 8 | 8 AIR EXTRACTOR RUBBER | 8 LAMP GUARDS |
| 9 | 9 ROOF MOULDING RUBBER & ROOF JOINT FINISHER | 9 BADGES/MOTIFS |
| 0 | 0 SIDE RUBBING STRIP VISIBLE DEFECTS WITH EXTERIOR SEAM FILLER SEE 9U AND 9V WATER ENTRY 4 TH DIGIT 'NDUST ENTRY 4 TH DIGIT P' | 0 BUMPER RUBBER/RUBBING STRIP REAR BUMPER 9R8 |
| A WRONGLY ADJUSTED | E CRACKED/SPLIT/CUT | J WORN/STRETCHED |
| B ADRIFT | F SEIZED/STIFF | K NOISY/CHAFED |
| C BAD FIT | G LOOSE | L JUDDER/POOR CONNECTION |
| D BROKEN | H CORRODED/PLATING FAILURE | M |

SECTION 9 - BODY EXTERIOR

| | | |
|---------------------------------|--|-----------------------------------|
| 9N EXTERIOR FITTINGS | 9P EXTERIOR FITTINGS | 9Q EXTERIOR COVERINGS |
| 1 FRONT/REAR SCREEN SURROUND | 1 DOOR MIRROR | 1 ' A' POST FINISHER |
| 2 ROOF GUTTER/SEAL MOULDING | 2 DOOR MIRROR MOTOR | 2 FRONT SCREEN FINISHER - UPPER |
| 3 SILL FINISHER | 3 DOOR MIRROR CONTROLS (MECH) | 3 "B/C" POST FINISHER |
| 4 DOOR WAIST MOULDING | 4 SIDE STEP | 4 ' D' POST/REAR QUARTER COVERING |
| 5 WING MOULDING/STONEGUARD | 5 MUD FLAPS | 5 ' E' POST FINISHER |
| 6 WING AIR INTAKE GRILLES | 6 WHEEL ARCH LINER | 6 FRONT SCREEN FINISHER - LOWER |
| 7 LOWER TAILGATE TOP FINISHER | 7 DOOR MIRROR CONTROL SWITCH | 7 SPARE WHEEL COVER |
| 8 ROOF GUTTER FINISHER | 8 SPARE WHEEL RETNER/CARRIER/SLING | 8 WAX INJECTION MATERIAL |
| 9 BODY CAPPINGS-METAL | 9 FUEL FILLER FLAP | 9 HEAVY DUTY UNDERBODY WAX |
| 0 UPPER TAILGATE LOWER FINISHER | 0 DOOR MIRROR ELEMENT SEE 8F8 FOR DOOR GLASS CHANNEL FURTHER EXTERIOR FITTINGS SEE 9R | 0 UNDER BODY SEAL |

| | | |
|---------------------------------|--|--|
| 9R EXTERIOR FITTINGS | 9S REAR SUNROOF | 9T COACH LINE/TAPE |
| 1 NUMBER PLATE MOUNTING | 1 SUNROOF PANEL | 1 FRONT WING |
| 2 BUMPER END CAP | 2 TRIM COVER | 2 REAR WING |
| 3 BUMPER RUBBER MAT | 3 WATER CHANNELS AND TUBES | 3 FRONT DOOR |
| 4 TOWING SOCKET BRACKET | 4 SUNROOF SEALS | 4 REAR DOOR |
| 5 DOOR MIRROR - MEMORY | 5 SLIDE MECHANISM/GUIDES/RAILS | 5 SIDE PANEL |
| 6 DOOR MIRROR MEMORY SWITCH | 6 WIND DEFLECTOR ASSEMBLY | 6 LOWER SILL |
| 7 CRASH CAN COVERS | 7 MOTOR BRACKET AND GUIDE TUBES | 7 TAILGATE |
| 8 REAR BUMPER | 8 MOTOR | 8 COMPLETE SET |
| 9 REAR STEP | 9 RELAY | 9 SIGNWRITING/TRANSFERS |
| 0 UPPER TAILGATE UPPER FINISHER | 0 * WIRING AND CONNECTIONS CONTROL UNIT SEE 6U3 | 0 USE 4 TH DIGIT V FOR REPLACEMENT DUE TO PAINTWORK RECTIFICATION (COACH TAPES FLATTING OPS ONLY) |

| | | |
|--|--|---------------------------|
| 9U BODY SEAM FILLER EXTERNAL | 9V BODY SEAM FILLER EXTERNAL | 9W TACHOGRAPH |
| 1 FRONT LOWER PANEL SEAMS | 1 REAR ROOF TO WING PANEL SEAMS | 1 TACHOGRAPH |
| 2 REAR LOWER PANEL SEAMS | 2 FRONT WING/GRILLE PANEL SEAMS | 2 TACHOGRAPH DRIVE CABLES |
| 3 BODY SIDE PANEL SEAMS CENTRE | 3 | 3 SPLITTER BOX |
| 4 BODY SIDE PANEL SEAMS LOWER | 4 ROOF VENT SEAMS | 4 |
| 5 SIDE DOOR APERTURE SEAMS FRONT | 5 ROOF GUTTER SEAMS | 5 |
| 6 SIDE DOOR APERTURE SEAMS REAR | 6 AIR EXTRACTOR SEAMS | 6 |
| 7 BOOT/TAILGATE APERTURE SEAMS | 7 AIR INTAKE/PLENUM SEAMS | 7 |
| 8 BONNET APERTURE SEAMS | 8 SIDE DOORS CLINCHED SEAMS | 8 |
| 9 FUEL FILLER APERTURE SEAMS | 9 BONNET CLINCHED SEAMS | 9 |
| 0 LOWER SILL SEAMS TO BE USED ONLY WHERE REPAIR IS ADDITIONAL TO THE PAINT SYSTEM REPAIR PROCESS WATER ENTRY AND DUST ENTRY SEE 9L | 0 BOOT/TAILGATE CLINCHED SEAMS TO BE USED ONLY WHERE REPAIR IS ADDITIONAL TO THE PAINT SYSTEM REPAIR PROCESS WATER ENTRY AND DUST ENTRY SEE 9L | 0 |

| | | |
|-----------|--|--|
| 9X | 9Y SEALS | 9Z BODY MISCELLANEOUS |
| 1 | 1 LOWER DOOR SEAL | 1 BELLY PANEL/COOLING TRAY |
| 2 | 2 TAILGATE WAIST SEAL | 2 VIN PLATE |
| 3 | 3 TAILGATE/REAR END DOOR WAIST SEAL | 3 BODY CAPPING FOR CONVERTIBLE ROOF |
| 4 | 4 | 4 EXTERIOR BODY CLADDING (FACTORY FITTED) |
| 5 | 5 | 5 ROOF RACK (FACTORY FITTED) |
| 6 | 6 | 6 LONGITUDINAL ROOF RAILS |
| 7 | 7 | 7 ROOF RACK CROSS RAILS |
| 8 | 8 | 8 |
| 9 | 9 | 9 |
| 0 | 0 | 0 SIDE JERRY CAN DOORS |

| | | |
|-----------------------------|-------------------------------|--------------------------|
| N LEAKS | S OPEN CIRCUIT/BLOCKED | W VIBRATION |
| P DUST ENTRY | T SHORT CIRCUIT/THREAD DAMAGE | X SURFACE DAMAGE |
| Q FADED/STAINED/DISCOLOURED | U INACCURATE/SLIPPING | Y INTERMITTENT OPERATION |

PAINT REFINISHING COMPLAINT CODES

INTRODUCTION

The Paint Defect Complaint Codes have been designed to provide accurate defect reporting. The codes are of an alphabetical four-digit construction. The first two digits identify defect type, the third digit refers to the panel on which defect occurs, the fourth digit identifies colour non-metallic or metallic.

IMPORTANT

As many defects can be rectified using the compound and polish process, where practical this should be attempted on a trial area first and, if successful, used as the method of repair.

SELECTING THE CORRECT CODE

Select from the alphabetical list of defects, the two complaint code digits that identify the complaint, for Glue Marks/Stains this would be, EE.

Where are the glue marks or stains? for the ' Panel Definition' list, select the statement that suits the requirement. May be the glue marks or stains are on the interior doors, so complaint code S applies.

From the COLOUR list select the code that defines the colour.

You now have the complete four digit paint complaint code.

| DEFECT/COMPLAINT | COMPLAINT | | RECOMMENDED REFINISH PROCESS | | | |
|--|-----------|-----|------------------------------|--------------|---------|----------------|
| | 1st | 2nd | DEPENDANT UPON SEVERITY | | | |
| | | | LOCAL | LOCAL SEVERE | GENERAL | GENERAL SEVERE |
| Blistering - Fine contamination | A | B | 3 | 3 | 2 + 8 | 1 |
| Blistering - Course/Regular pattern | A | B | 3 | 3 | 2 + 8 | 1 |
| Brake fluid attack | A | C | 6 | 3 | 5 | 2 + 8 |
| Bleaching/Bloom | A | D | 6 | 3 | 5 | 2 |
| Corrosion - At clinched panel seams | B | B | 3 | 3 | 2 + 7 | 2 + 8 |
| Corrosion - At edges | B | C | 3 | 3 | 2 + 8 | - |
| Corrosion - Finishers/Motifs | B | D | 3 | 3 | 2 + 8 | - |
| Corrosion - At sealed seams | B | E | 3 | 3 + 7 | - | - |
| Chipped paint -Factory damage | B | F | 7 + 6 | 3 | - | - |
| Cissing/Fish eyes/Cratering | B | G | 6 | 3 | 4 or 2 | 1 |
| Craking/Rough seam filler | B | K | 7 | 3 | - | - |
| Crazing | B | L | 6 | 3 | 4 | 2 |
| Dirt inclusions - (Also dirt in clearcoat) | C | C | 6 | 3 | 4 | 2 |
| Dry spray/Matt finish - (not overspray) | C | D | 6 | 6 | 5 | 5 |
| Dull finish | C | E | 6 | 6 | 5 | 4 |
| Dirt on basecoat | B | N | 3 | 3 | 2 | 2 |
| Dissolution - (aluminium protusion) | C | F | 3 | 3 | 2 | 2 |
| Flaking - To metal | D | D | - | 3 | - | 1 |
| Flaking - To electrocoat | D | E | - | 3 | - | 1 |
| Flaking - To sealer coat | D | F | - | 3 | - | 2 |
| Flaking -Colour from colour | D | G | 3 | 3 | 2 | 2 |
| Flating marks | D | H | 6 | 6 | 4 | 4 |
| Flaking clearcoat - From basecoat | D | J | 3 | 3 | 2 | 2 |
| Flaking clearcoat - from clearcoat | D | K | 3 | 3 | 2 | 1 |
| Flaking from primer - Plastic components | D | L | 3 | 3 | 2 | 1 |
| Flaking from plastic - Plastic components | D | M | 3 | 2 | 1 | 1 |
| Glue marks/Strains | E | E | 6 | 6 | 3 | 3 |
| Inadequate colour coverage | F | F | 3 | 3 | 2 | 2 |
| Lining up | F | G | 3 | 3 | 2 | 1 |
| Masking lines | G | G | 6 | 6 | 4 | 4 |
| Metal finish - Poor/Panel imperfections | G | H | 6 | 3 | 2 | 2 + 8 |
| Offshade factory repairs | H | H | - | - | 2 | 2 |
| Overspray | H | J | 6 | 6 | 4 | 4 |
| Overloading | H | J | - | - | 2 | 2 |
| Pin holing | J | J | 3 | 3 | 2 | 2 |
| Runs - Small | K | K | 6 | 3 | - | - |
| Runs - Large sags | K | L | - | 3 | 3 | 2 |
| Rectification - Due to consequential damage | K | M | - | - | - | - |
| Soft finish | S | A | - | - | 1 | 1 |
| Shadiness - Metallics only | L | N | - | - | 2 | 2 |
| Sinkage | L | P | - | - | 5 | 2 |
| Solvent boil | L | Q | 6 | 3 | 4 | 2 |
| Wax retention - (transit wax only) | M | A | 6 | 6 | 5 | 5 |

| PANEL DEFINITION | COMPLAINT CODE |
|---------------------------------|----------------|
| ROOFS AND HARDTOPS | A |
| BONNETS | B |
| SCUTTLES | C |
| BOOT LIDS/TAILGATES | D |
| TAILBOARDS | |
| DOORS | E |
| WINGS | F |
| BODY SIDE PANELS | G |
| SURROUND PANELS - GRILLE & BOOT | H |
| LOWER PANELS | J |
| WINDOW/SCREEN FRAMES | K |
| SILLS | L |
| COMPLETE VEHICLE | M |
| APERATURE | N |
| INTERIOR ROOF & SIDE PANELS | P |
| INTERIOR BONNET PANELS | Q |
| INTERIOR BOLTS LIDS | R |
| INTERIOR DOORS | S |
| INTERIOR WINDOWS FRAMES | T |
| DASH/FASCIA | U |
| INTERIOR ENGINE COMPARTMENT | V |
| INTERIOR BOOT COMPARTMENT | W |
| INTERIOR WHEEL ARCHES | X |
| INTERIOR FLOOR PANELS | Y |
| INTERIOR STEP COMPLETE | Z |

| COLOUR | COMPLAINT CODE |
|---|----------------|
| NON-METALLIC | |
| BLACK | A |
| WHITE | B |
| GREY | C |
| BROWN | D |
| BEIGE | E |
| RED | F |
| BLUE | G |
| YELLOW | H |
| GREEN | J |
| METALLIC | |
| GREY | L |
| BROWN | M |
| BEIGE | N |
| RED | P |
| BLUE | Q |
| YELLOW | R |
| GREEN | S |
| GREY/SILVER | T |
| CLEAR COAT METALLICS | |
| BROWN/BEIGE | U |
| RED | V |
| BLUE | W |
| GREEN | X |
| GOLD | Y |
| NON-FACTORY APPLIED COLOUR (OWN LIVERY) | K |
| INFRA-RED REFLECTIVE COLOUR | Z |