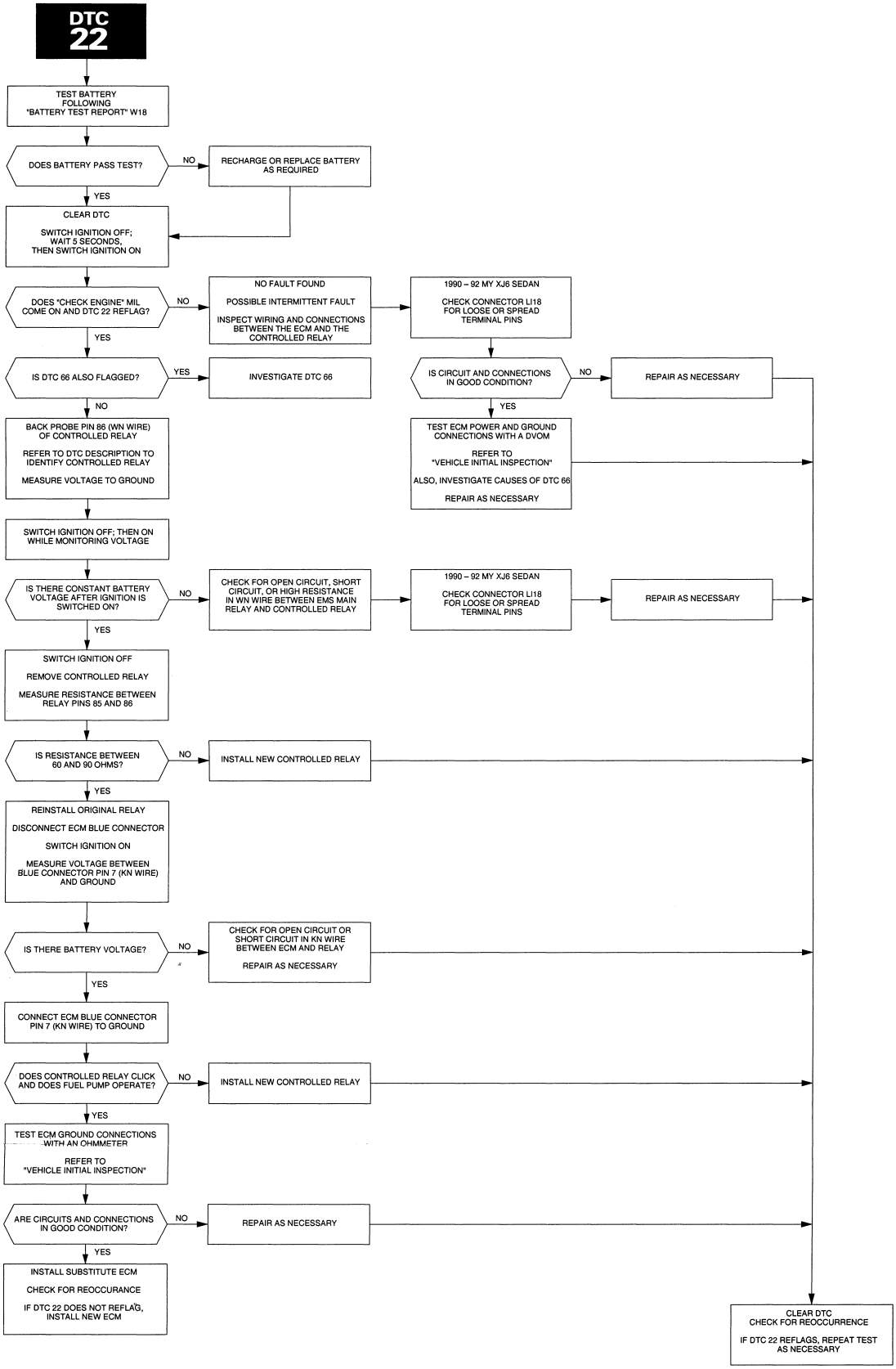
DTC 22


TEST BATTERY FOLLOWING "BATTERY TEST REPORT" W18
DOES BATTERY PASS TEST?
NO
RECHARGE OR REPLACE BATTERY AS REQUIRED
YES
CLEAR DTC
SWITCH IGNITION OFF; WAIT 5 SECONDS, THEN SWITCH IGNITION ON
DOES "CHECK ENGINE" MIL COME ON AND DTC 22 REFLAG?
NO
NO FAULT FOUND
POSSIBLE INTERMITTENT FAULT
INSPECT WIRING AND CONNECTIONS BETWEEN THE ECM AND THE CONTROLLED RELAY
1990 – 92 MY XJ6 SEDAN
CHECK CONNECTOR LI18 FOR LOOSE OR SPREAD TERMINAL PINS
YES
IS DTC 66 ALSO FLAGGED?
YES
INVESTIGATE DTC 66
IS CIRCUIT AND CONNECTIONS IN GOOD CONDITION?
NO
REPAIR AS NECESSARY
YES
TEST ECM POWER AND GROUND CONNECTIONS WITH A DVOM
REFER TO "VEHICLE INITIAL INSPECTION"
ALSO, INVESTIGATE CAUSES OF DTC 66
REPAIR AS NECESSARY
NO
BACK PROBE PIN 86 (WN WIRE) OF CONTROLLED RELAY
REFER TO DTC DESCRIPTION TO IDENTIFY CONTROLLED RELAY
MEASURE VOLTAGE TO GROUND
SWITCH IGNITION OFF; THEN ON WHILE MONITORING VOLTAGE
IS THERE CONSTANT BATTERY VOLTAGE AFTER IGNITION IS SWITCHED ON?
NO
CHECK FOR OPEN CIRCUIT, SHORT CIRCUIT, OR HIGH RESISTANCE IN WN WIRE BETWEEN EMS MAIN RELAY AND CONTROLLED RELAY
1990 – 92 MY XJ6 SEDAN
CHECK CONNECTOR LI18 FOR LOOSE OR SPREAD TERMINAL PINS
REPAIR AS NECESSARY
YES
SWITCH IGNITION OFF
REMOVE CONTROLLED RELAY
MEASURE RESISTANCE BETWEEN RELAY PINS 85 AND 86
IS RESISTANCE BETWEEN 60 AND 90 OHMS?
NO
INSTALL NEW CONTROLLED RELAY
YES
REINSTALL ORIGINAL RELAY
DISCONNECT ECM BLUE CONNECTOR
SWITCH IGNITION ON
MEASURE VOLTAGE BETWEEN BLUE CONNECTOR PIN 7 (KN WIRE) AND GROUND
IS THERE BATTERY VOLTAGE?
NO
CHECK FOR OPEN CIRCUIT OR SHORT CIRCUIT IN KN WIRE BETWEEN ECM AND RELAY
REPAIR AS NECESSARY
YES
CONNECT ECM BLUE CONNECTOR PIN 7 (KN WIRE) TO GROUND
DOES CONTROLLED RELAY CLICK AND DOES FUEL PUMP OPERATE?
NO
INSTALL NEW CONTROLLED RELAY
YES
TEST ECM GROUND CONNECTIONS WITH AN OHMMETER
REFER TO "VEHICLE INITIAL INSPECTION"
ARE CIRCUITS AND CONNECTIONS IN GOOD CONDITION?
NO
REPAIR AS NECESSARY
YES
INSTALL SUBSTITUTE ECM
CHECK FOR REOCCURANCE
IF DTC 22 DOES NOT REFLAG, INSTALL NEW ECM
CLEAR DTC
CHECK FOR REOCCURRENCE
IF DTC 22 REFLAGS, REPEAT TEST AS NECESSARY