530CK
Loader Backhoe

Service Manual

9-70011L

CASE CONSTRUCTION

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SECTION IX

MODEL "530" CONSTRUCTION KING LOADER AND BACKHOE

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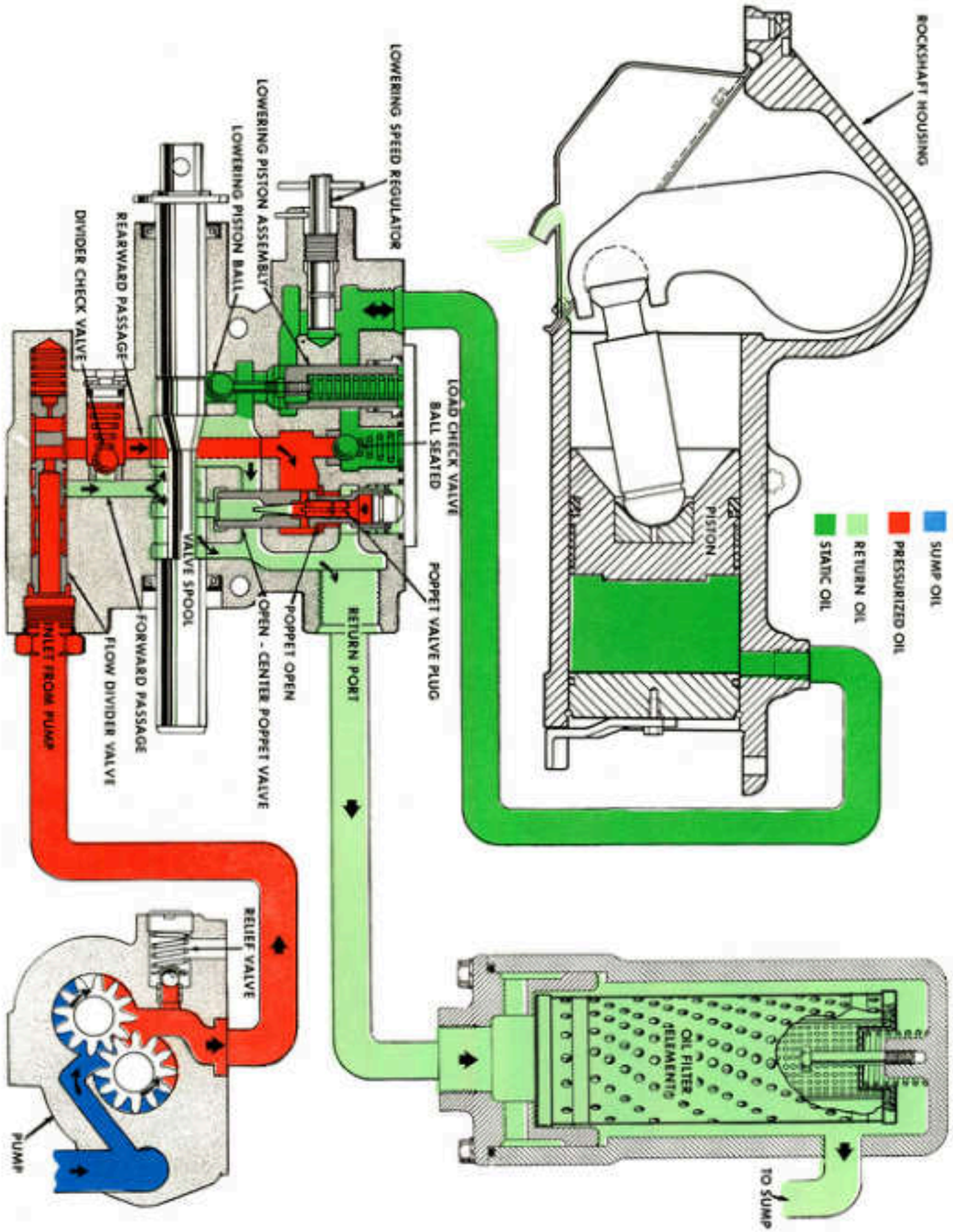


Figure R-7

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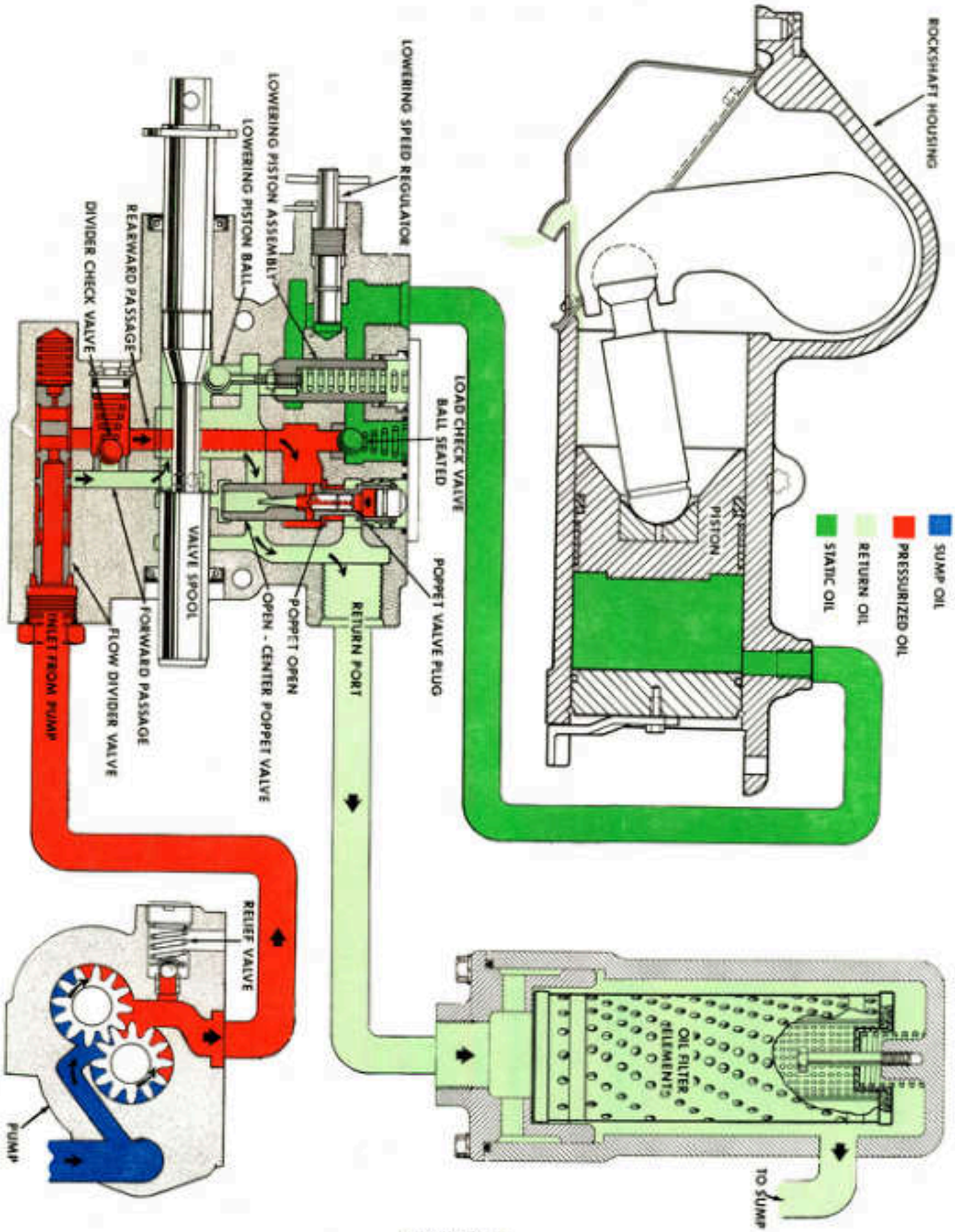
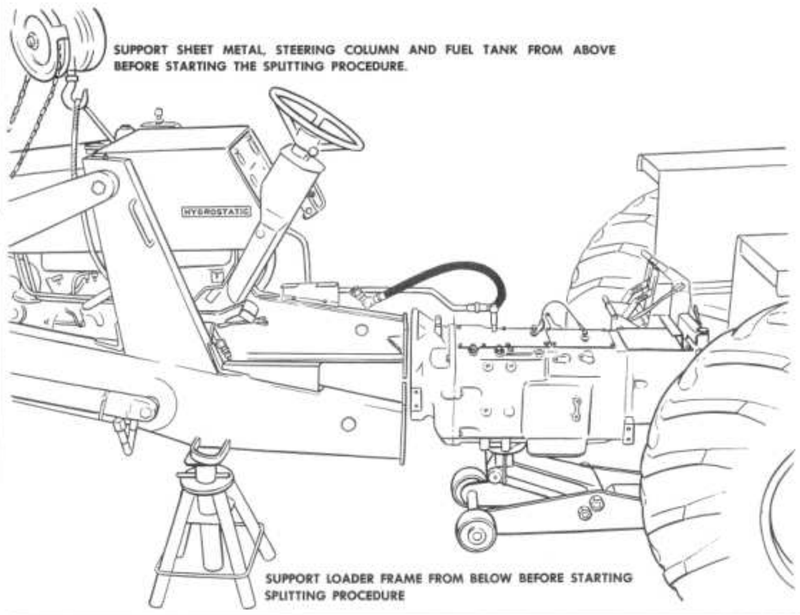


Figure R-4

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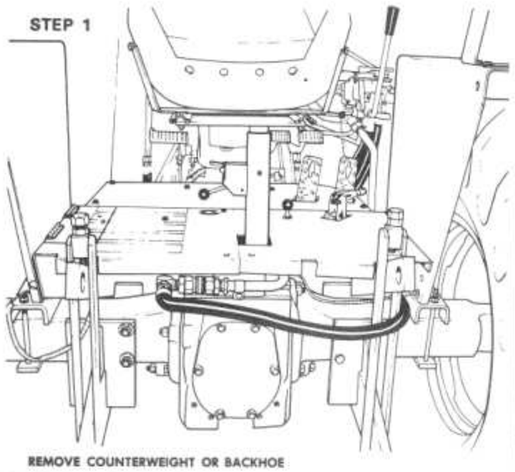
SPLITTING THE 480-580 SERIES B TRACTORS BETWEEN THE ENGINE AND TORQUE TUBE

SUPPORT SHEET METAL, STEERING COLUMN AND FUEL TANK FROM ABOVE BEFORE STARTING THE SPLITTING PROCEDURE.



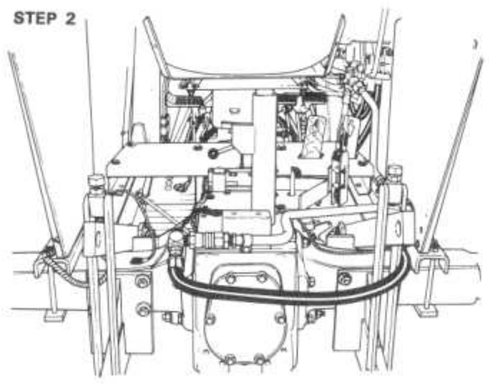
SUPPORT LOADER FRAME FROM BELOW BEFORE STARTING SPLITTING PROCEDURE

STEP 1



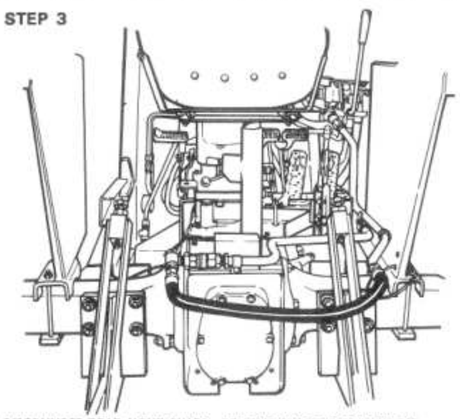
REMOVE COUNTERWEIGHT OR BACKHOE

STEP 2



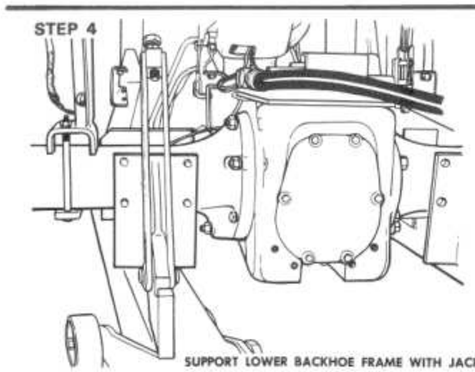
REMOVE REAR FLOOR PLATES, DIFFERENTIAL LOCK LINKAGE

STEP 3



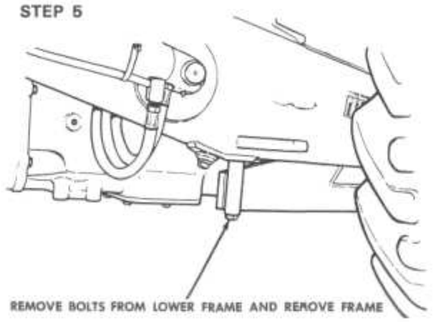
DISCONNECT REAR LIGHT PLUGS REMOVE FRONT FLOOR PLATES

STEP 4



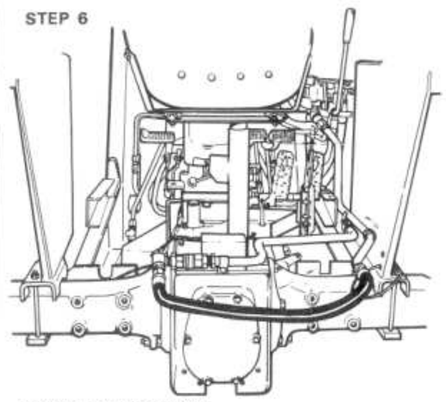
SUPPORT LOWER BACKHOE FRAME WITH JACK
REMOVE BACKHOE TOP BRACKET PIVOT PINS
REMOVE MOUNTING BOLTS FROM TOP BRACKET, AXLE HOUSING, AND LOADER FRAME

STEP 5



REMOVE BOLTS FROM LOWER FRAME AND REMOVE FRAME

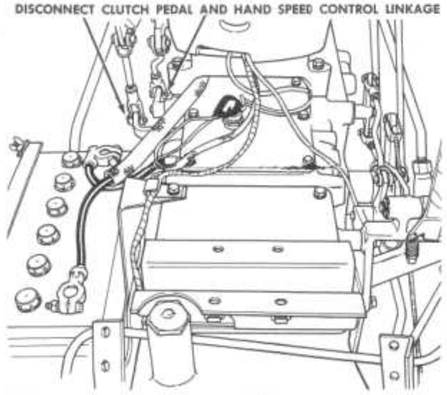
STEP 6



REMOVE SEAT AND SUPPORT
REMOVE TUBE TO LOADER CONTROL VALVE

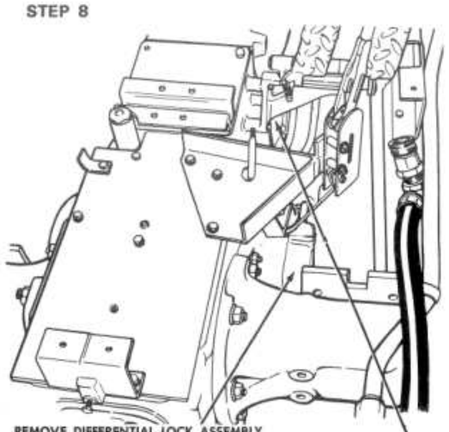
STEP 7

DISCONNECT CLUTCH PEDAL AND HAND SPEED CONTROL LINKAGE

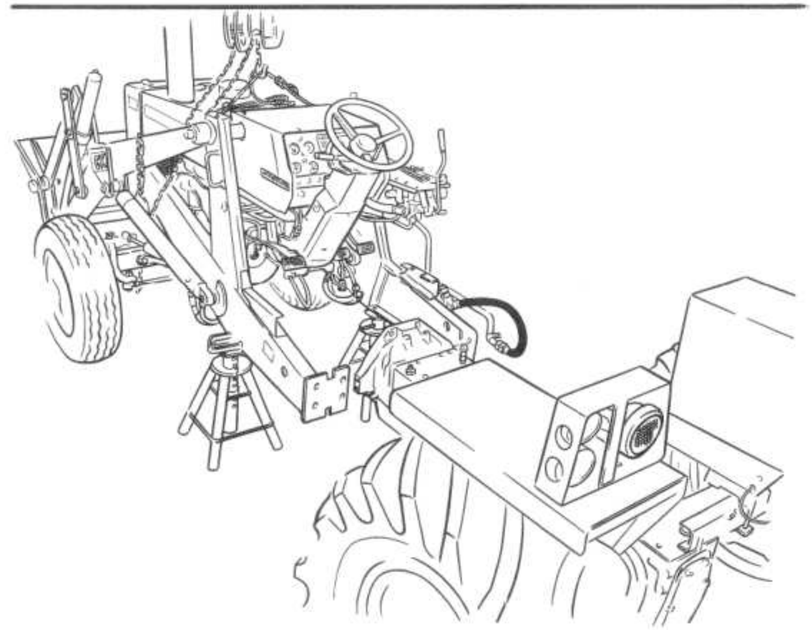


DISCONNECT-REMOVE BATTERY AND BOX

STEP 8

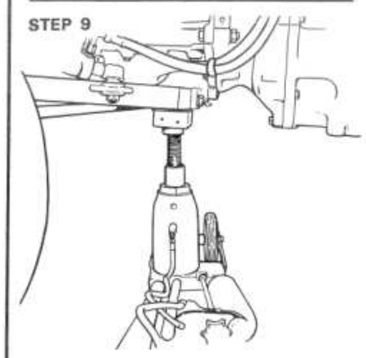


REMOVE DIFFERENTIAL LOCK ASSEMBLY
DISCONNECT TRANSMISSION TEMPERATURE GAUGE SENDING UNIT WIRE LOCATED ON LOWER RIGHT HAND SIDE OF TRANSMISSION CASE FRONT FLANGE



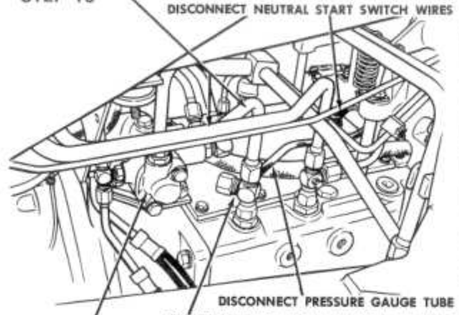
SUPPORT ENGINE UNDER RADIUS ROD REAR SUPPORT
INSTALL FLOOR JACK UNDER TORQUE TUBE

STEP 9



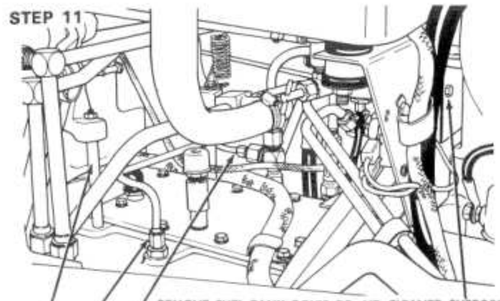
STEP 10

DISCONNECT COOLER TUBES
DISCONNECT NEUTRAL START SWITCH WIRES



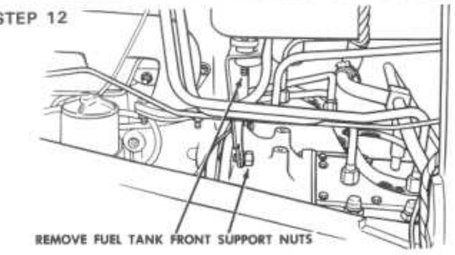
DISCONNECT PRESSURE GAUGE TUBE
REMOVE FITTINGS FROM BULKHEAD FITTINGS
DISCONNECT TUBES TO STEERING VALVE
REMOVE STEERING VALVE AND STEERING VALVE BRACKET

STEP 11



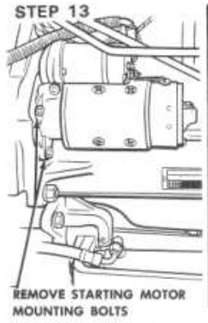
REMOVE FUEL TANK BOLTS TO AIR CLEANER SUPPORT
DISCONNECT RATE CONTROL VALVE TUBES
REMOVE STEERING COLUMN BOLTS, NUTS AND SPACERS

STEP 12



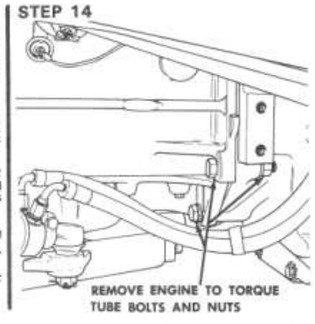
REMOVE FUEL TANK FRONT SUPPORT NUTS

STEP 13



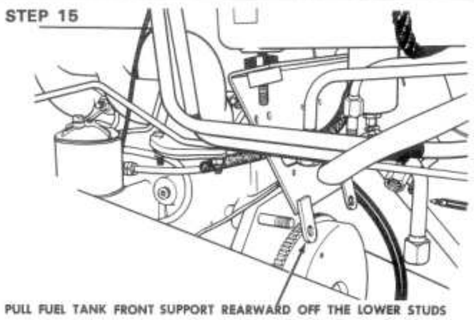
REMOVE STARTING MOTOR MOUNTING BOLTS

STEP 14



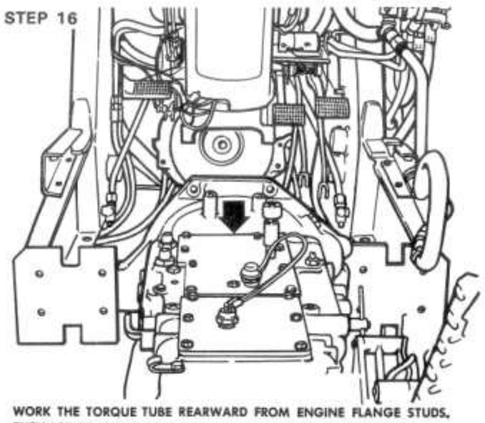
REMOVE ENGINE TO TORQUE TUBE BOLTS AND NUTS

STEP 15



PULL FUEL TANK FRONT SUPPORT REARWARD OFF THE LOWER STUDS

STEP 16



WORK THE TORQUE TUBE REARWARD FROM ENGINE FLANGE STUDS, THEN LOWER FRONT OF TORQUE TUBE APPROX. 4" AND MOVE REARWARD UNTIL CLEAR OF THE STEERING COLUMN. THEN RAISE TORQUE TUBE AND MORE REARWARD UNTIL CLEAR OF THE FRAME.

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