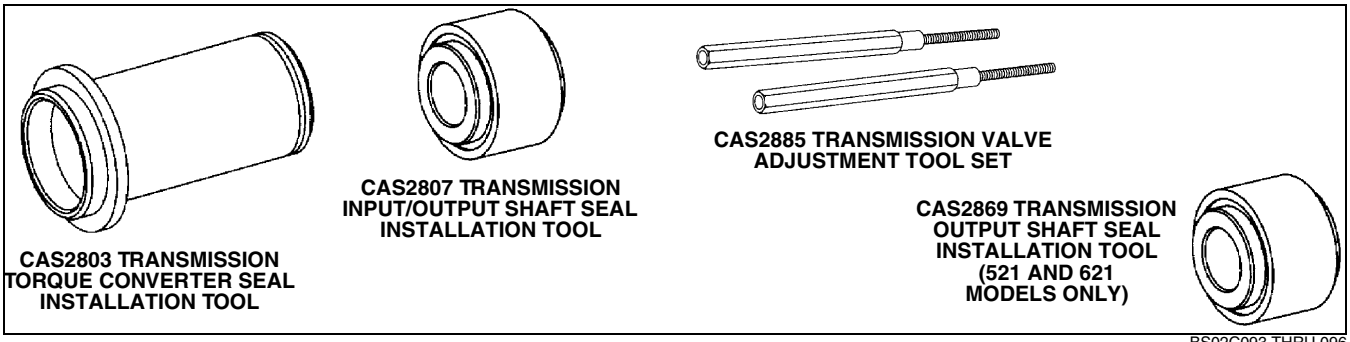
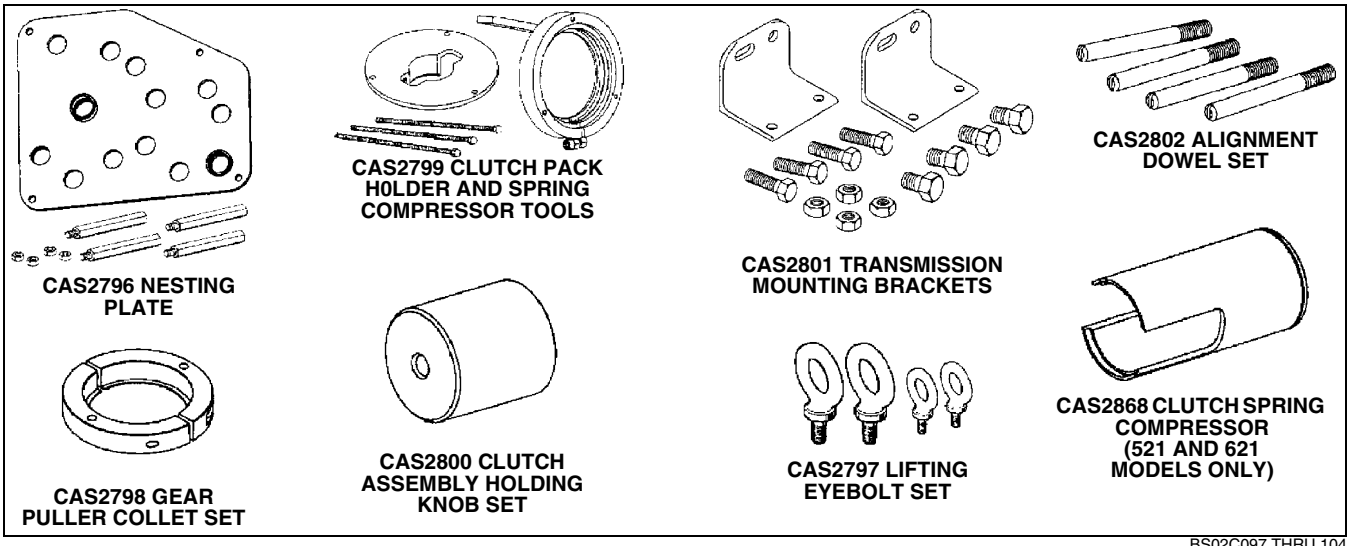
SPECIAL TOOLS



BS02C093 THRU 096

CAS40075 TRANSMISSION TOOL KIT



BS02C097 THRU 104

CAS40079 TRANSMISSION OVERHAUL KIT

SPECIAL TORQUES

Oil pipes
- Studs ..... 9 Nm (80 pound inches)
- Socket head screw ..... 23 Nm (204 pound inches)
- Screw plug ..... 51 Nm (38 pound feet)

Clutch K1, K2, K3, K4 Stud ..... 17 Nm (150 pound inches)

Plugs ..... 25 Nm (221 pound inches)

Output shaft
- Output shaft screws (apply Loctite 243 to threads) ..... 23 Nm (204 pound inches)
- Housing cover screws (apply Loctite 574 to threads) ..... 46 Nm (407 pound inches)
- Output flange screws ..... 34 Nm (301 pound inches)

Oil feed housing and transmission pump
- Transmission pump screws ..... 46 Nm (407 pound inches)
- Oil feed housing screws ..... 25 Nm (221 pound inches)

Engine connection and converter
- Input shaft screws ..... 115 Nm (85 pound feet)
- Converter housing screws ..... 68 Nm (50 pound feet)
- Cover ..... 23 Nm (204 pound inches)
- Converter cover ..... 46 Nm (407 pound inches)
- Input flange ..... 34 Nm (301 pound inches)

SPECIAL TORQUES (CONTINUED)

Duct plate
- Screws ..... 25 Nm (221 pound inches)
- Screw plug ..... 30 Nm (265 pound inches)

Hydraulic control unit ..... 9.5 Nm (84 pound inches)

Filter
- Filter head screws ..... 25 Nm (221 pound inches)
- Oil distribution cover screws ..... 25 Nm (221 pound inches)

Speed sensor and inductive transmitter
- Speed sensor screw ..... 23 Nm (204 pound inches)
- Inductive transmitter ..... 30 Nm (265 pound inches)
- Cover plate ..... 23 Nm (204 pound inches)
- Screw plug ..... 140 Nm (103 pound feet)

SPECIFICATIONS

Clutch KV and KR plate clearance ..... 2.7 to 2.9 mm (0.106 to 0.114 in)

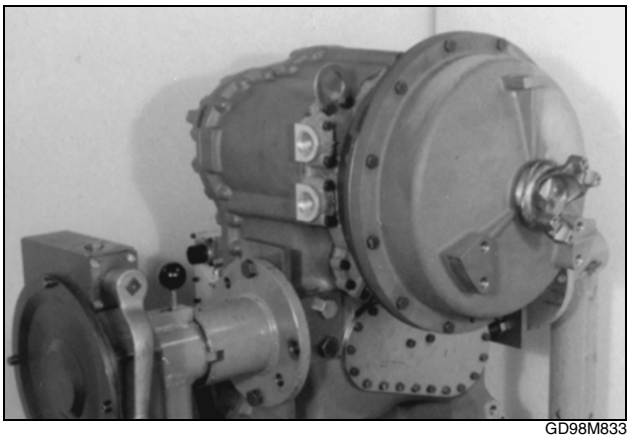
Clutch K1plate clearance ..... 2.4 to 2.6 mm (0.094 to 0.102 in)

Clutch K2 and K3 plate clearance ..... 1.8 to 2.0 mm (0.071 to 0.079 in)

Clutch K4 plate clearance ..... 1.2 to 1.4 mm (0.047 to 0.055 in)

DISASSEMBLY

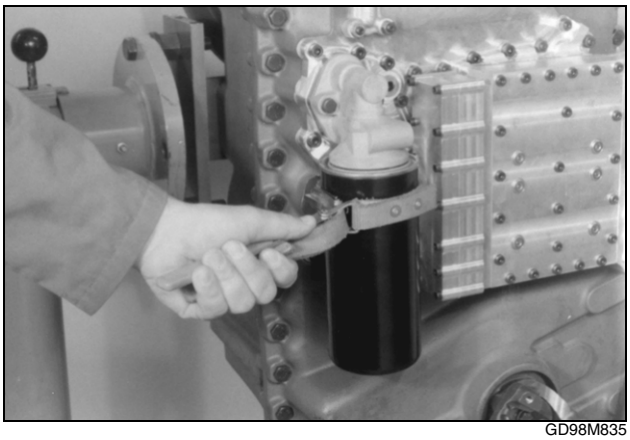
STEP 1



GD98M833

Fasten transmission on an assembly stand using CAS2801 transmission mounting brackets.

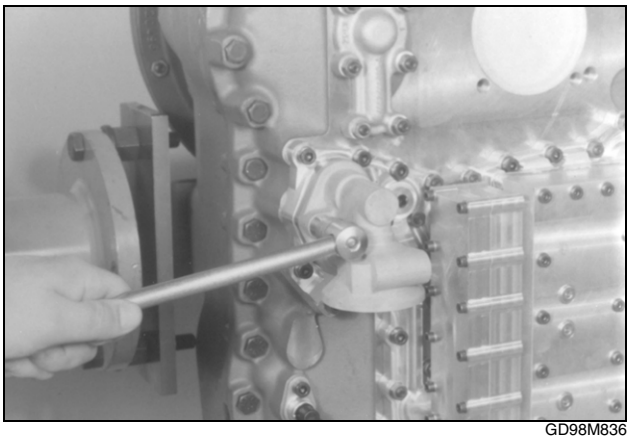
STEP 2



GD98M835

Remove and discard oil filter.

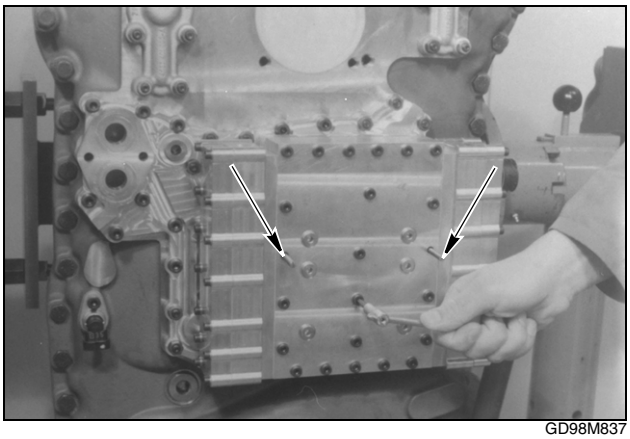
STEP 3



GD98M836

Remove hex head screws securing filter head. Remove filter head from transmission.

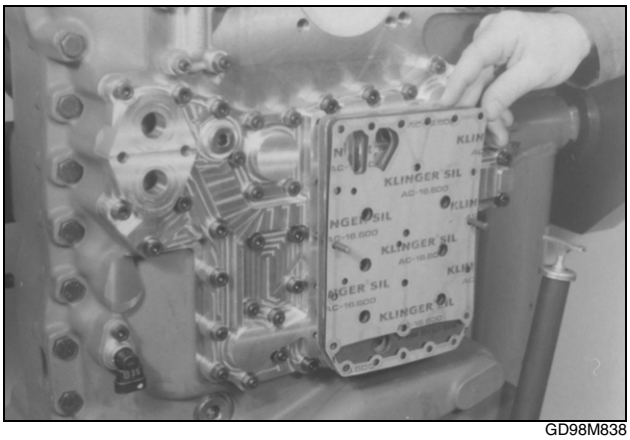
STEP 4



GD98M837

Remove two socket head screws and install CAS2885 transmission valve adjustment tool set. Remove remaining 21 socket head screws securing control valve. Loosen and remove hex rods (part of CAS2885) from studs then remove control valve.

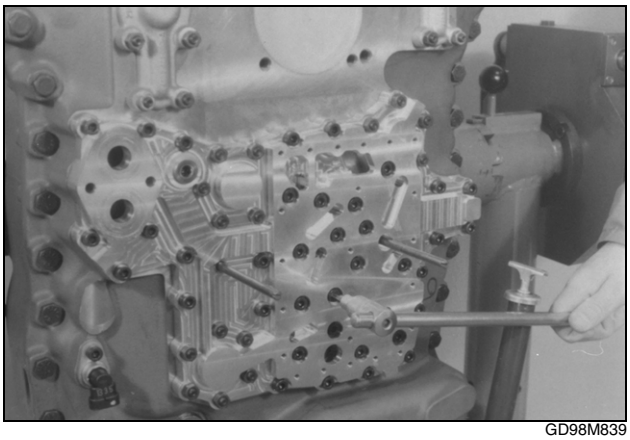
STEP 5



GD98M838

Remove both gaskets and the intermediate plate.

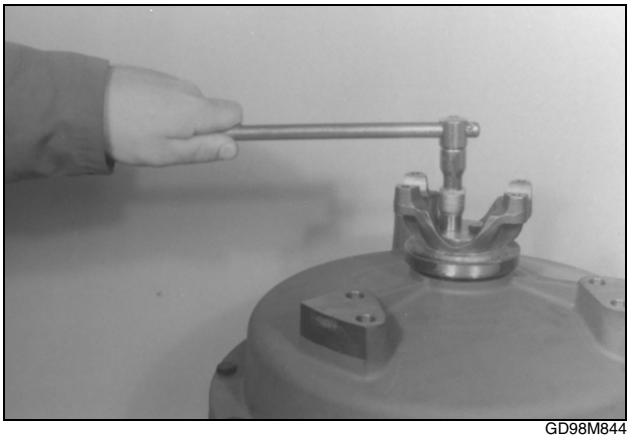
STEP 6



GD98M839

Remove socket head screws and hex nuts. Remove duct plate. Remove flat gasket.

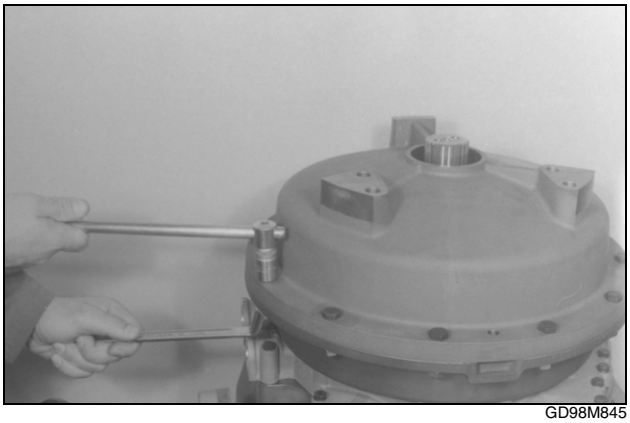
STEP 7



GD98M844

Bend lock plate away from hex head screws. Remove two hex head screws, lock plate, and washer. Remove input flange from shaft.

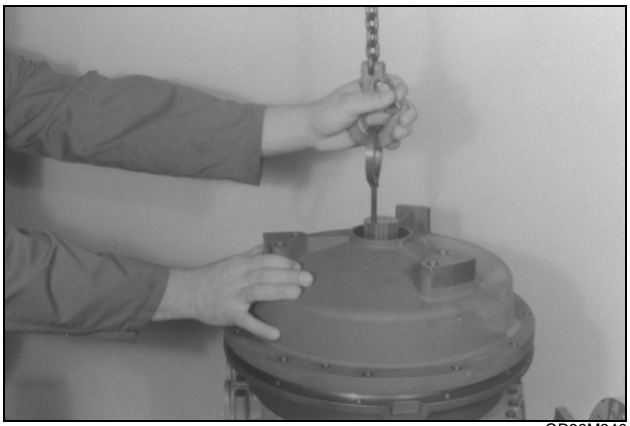
STEP 8



GD98M845

Put alignment marks on converter cover and housing to aid in assembly. Remove 12 nuts and hex head screws.

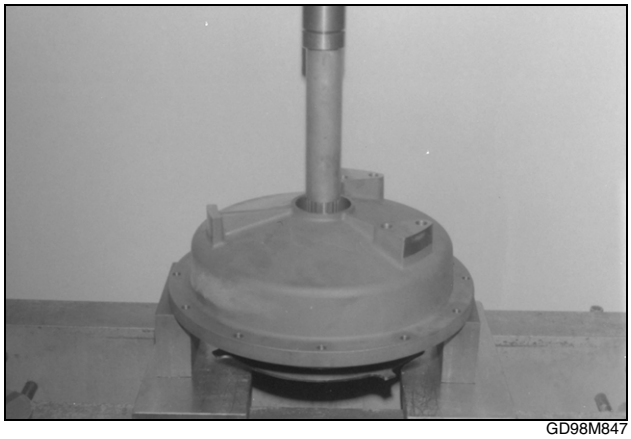
STEP 9



GD98M846

Connect suitable lifting equipment to shaft. Remove cover, shaft, and converter from transmission and place in hydraulic press.

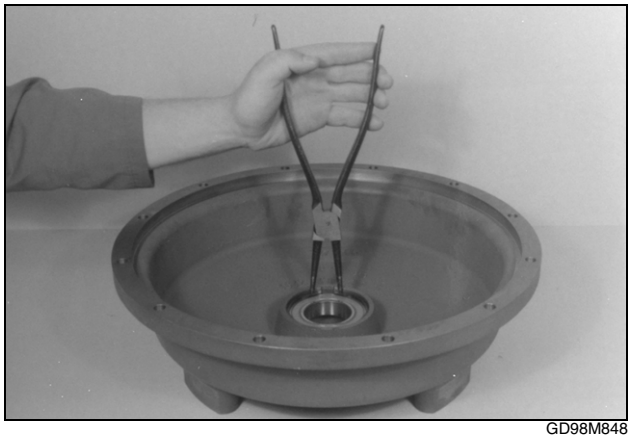
STEP 10



GD98M847

Using proper size rod, press input shaft and converter from cover.

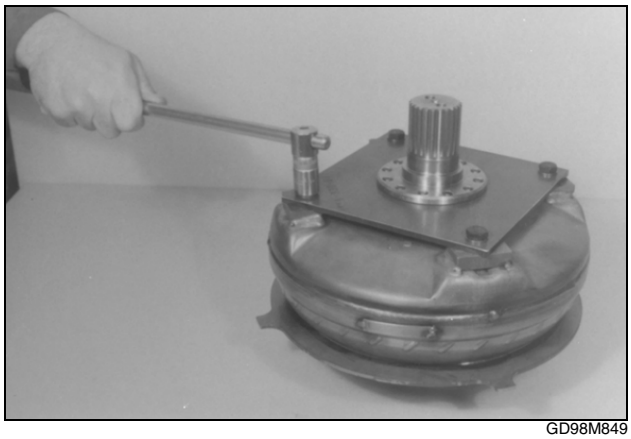
STEP 11



GD98M848

Remove retaining ring then remove bearing.

STEP 12



GD98M849

Remove four hex head screws and remove diaphragm and input shaft.