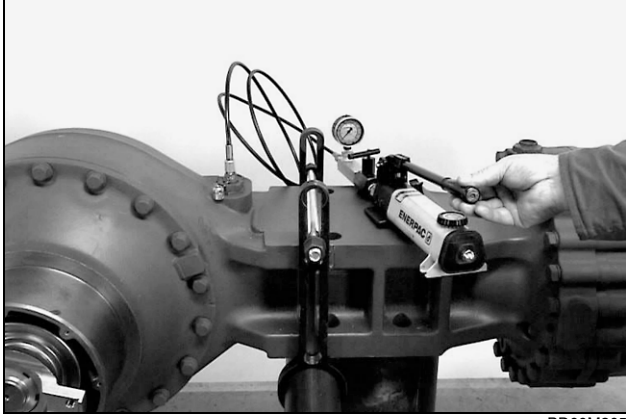


LEAKAGE TEST OF THE BRAKE HYDRAULICS

NOTE: *Prior to start the test, ventilate the brake hydraulics and then actuate it several times.*

High Pressure Test

STEP 77



BD00M305

Increase test pressure up to $p = 100$ bar (1450 psi) maximum and close connection to HD pump by means of shutoff valve. During a 5 minute testing time, a pressure drop of maximum 2 bar (29 psi) is allowed.

ATTENTION: *If the maximum pressure of 100 bar (1450 psi) is exceeded, there will be an excessive piston adjustment and a repeated disassembly of the brake or the adjusting is required to reset the gripping rings to the adjusting dimension.*

Low Pressure Test

Reduce test pressure to $p = 5$ bar (72.5 psi) and close the shutoff valve again.

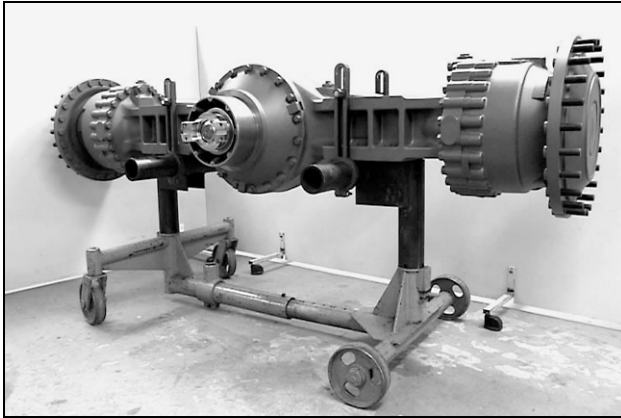
During a 5 minute testing time a pressure drop is not allowed.

Test Media

Case AKCELA Hy-Tran Ultra®.

DISASSEMBLY OF DIFFERENTIAL CARRIER AND BRAKE TUBES

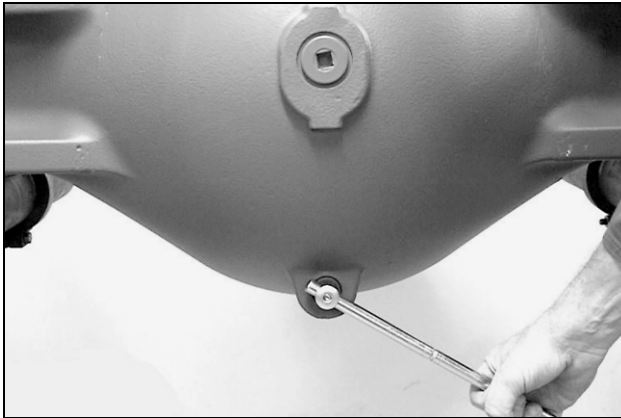
STEP 1



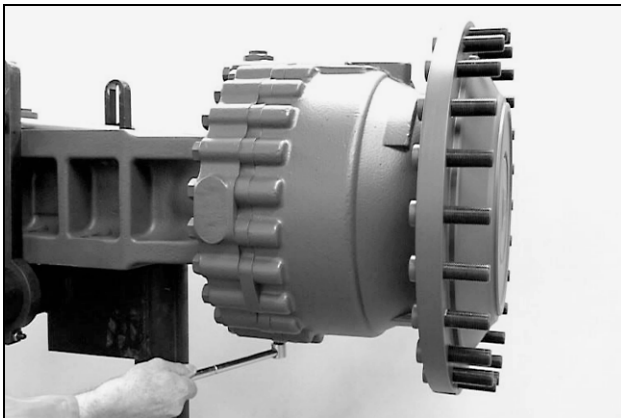
BD00M235

Fasten the axle on a stand.

STEP 2



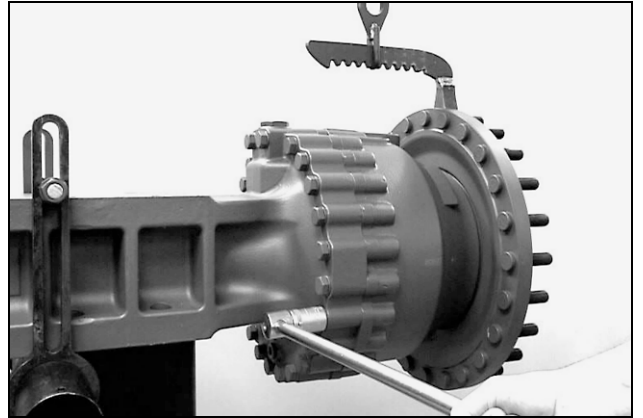
BD00M236



BD00M237

Loosen the screw plugs and drain the oil from the axle casing.

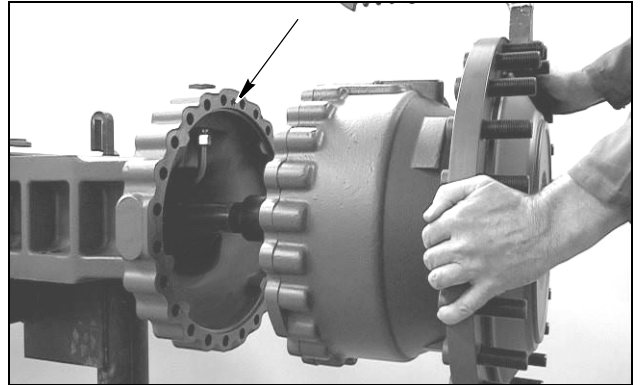
STEP 3



BD00M241

Use acceptable lifting equipment to hold the wheel end in place. Loosen and remove the bolts.

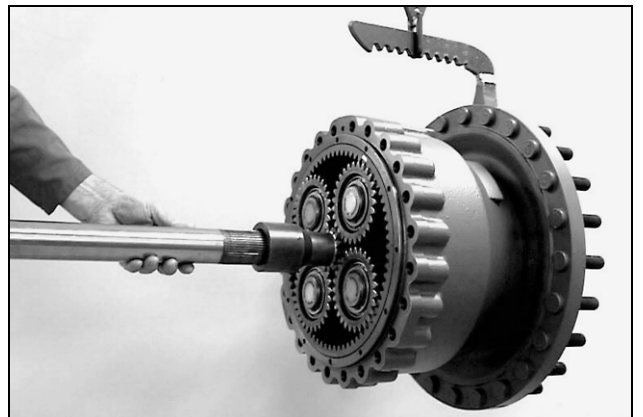
STEP 4



BD03B032

Separate the wheel end from the axle housing. Remove O-ring.

STEP 5



BD00M243

Pull the stub shaft out of the sun gear shaft. Repeat steps 3 through 5 for the other wheel end.

NOTE: Pay attention to the released shim(s).

STEP 6

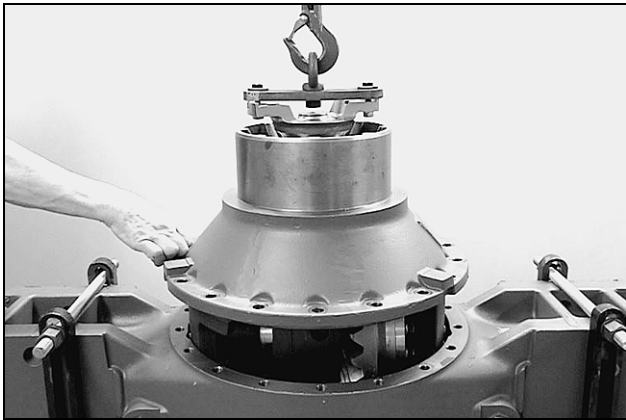


BD00M395

Remove the bolts from the differential carrier.

NOTE: Mark the location of the differential carrier to the axle casing.

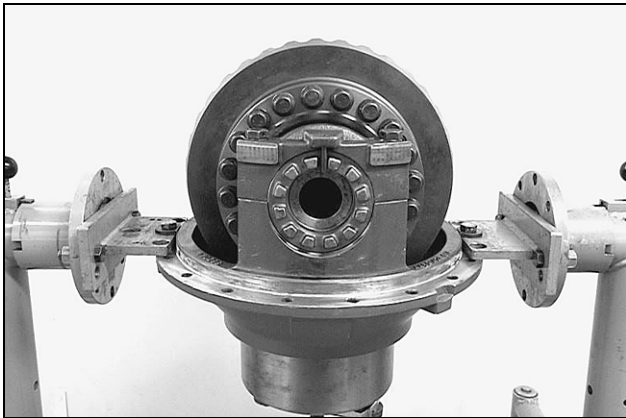
STEP 7



BD03B035

Use suitable lifting equipment and lift the differential carrier out of the axle casing.

STEP 8



BD03B036

Fasten the differential carrier on 380001580 engine stand using 380001562 mounting bracket.

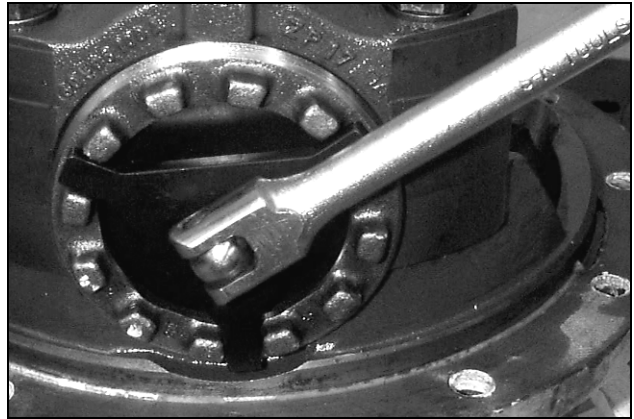
STEP 9



BD00M398

Drive out the slotted pins from the differential carrier.

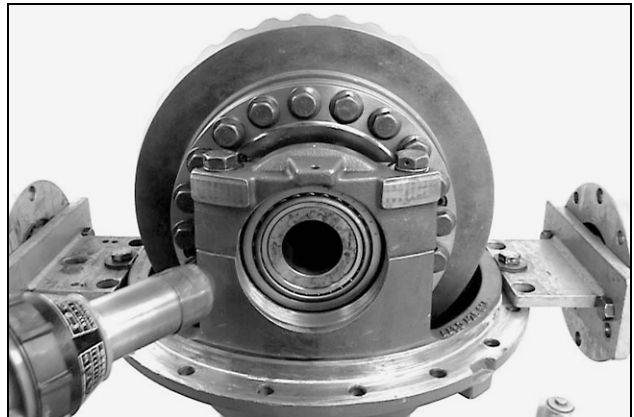
STEP 10



BD01F072

Loosen and remove both adjusting nuts using 380001565 wrench.

STEP 11



BD00M400

Heat the axle drive housing with a hot air gun.

NOTE: Bolts are installed with Loctite.