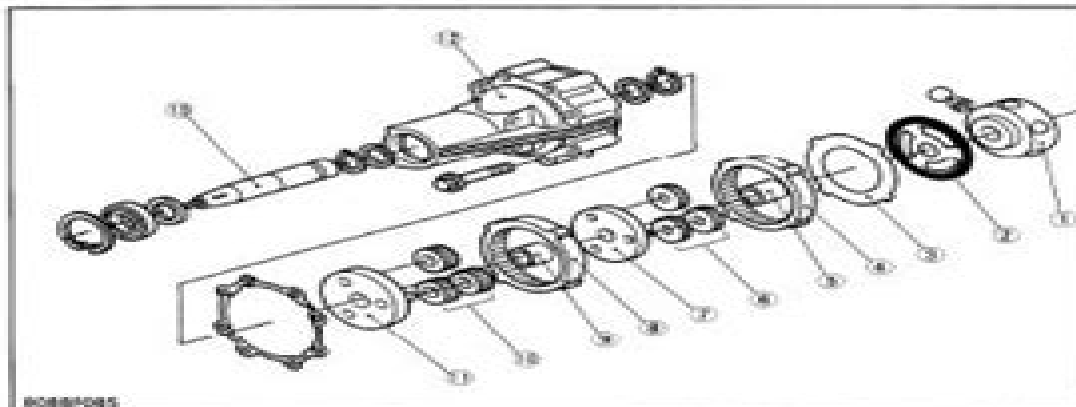
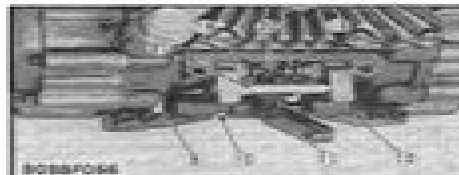


(5) Reduction Gear (Vehicle Serial No. : 50001 and Above)

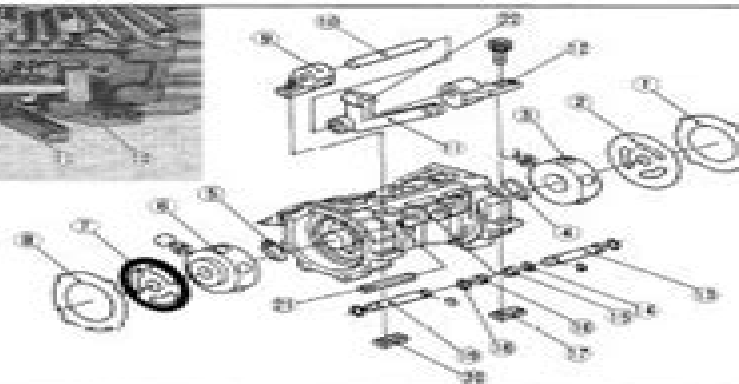
- (1) Ball Piston Motor
- (2) Reaction Plate
- (3) Backup Plate
- (4) 1st Ring Gear
- (5) 1st Sun Gear
- (6) 1st Planetary Gear
- (7) 1st Carrier
- (8) 2nd Ring Gear
- (9) 2nd Sun Gear
- (10) 2nd Planetary Gear
- (11) 2nd Carrier
- (12) Axle Housing
- (13) Axle Shaft

The revolving speed of ball piston motor (1) is reduced by the reduction gear system consisting of two stages of planetary gears and ring gears, then transmitted to axle shaft (13).

The transmission sequence is as follows :
 Ball piston motor (1) → 1st sun gear (5) → 1st planetary gear (6) → 1st carrier (7) → 2nd sun gear (9) → 2nd planetary gear (10) → 2nd carrier (11) → Axle shaft (13)

(6) Parking Brake (Vehicle Serial No. : 50001 and Above)

BOBPODE



- (1) Backup Plate (L)
- (2) Reaction Plate (L)
- (3) Ball Piston Motor (L)
- (4) Friction Pad (L)
- (5) Friction Pad (R)
- (6) Ball Piston Motor (R)
- (7) Reaction Plate (R)
- (8) Backup Plate (R)
- (9) Bracket (R)
- (10) Shaft
- (11) Brake Lever
- (12) Bracket (L)
- (13) Push Rod (L)
- (14) Spring Base (L)
- (15) Spring (L)
- (16) Spring (R)
- (17) Threaded Plate (L)
- (18) Spring Base (R)
- (19) Push Rod (R)
- (20) Threaded Plate (R)
- (21) Spring Pin
- (22) Wedge Shaped Portion

When the brake pedal is depressed, the force is conveyed through the linkage to the brake lever (11), which is rocked around the shaft (10).

Now the wedge shaped portion (22) of the brake lever presses the push rods (13) and (19) against the springs (15) and (16). the push rods are thus forced into the housing.

As a result, the friction pads (4) and (5) in the housing are pressed by the push rods into contact with the ball piston motors (3) and (6) in order to produce the braking force between the backup plates (1), (8) and the reaction plates (2), (7).

Kubota T1600h Service Manual

Rosina Ehmann



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