

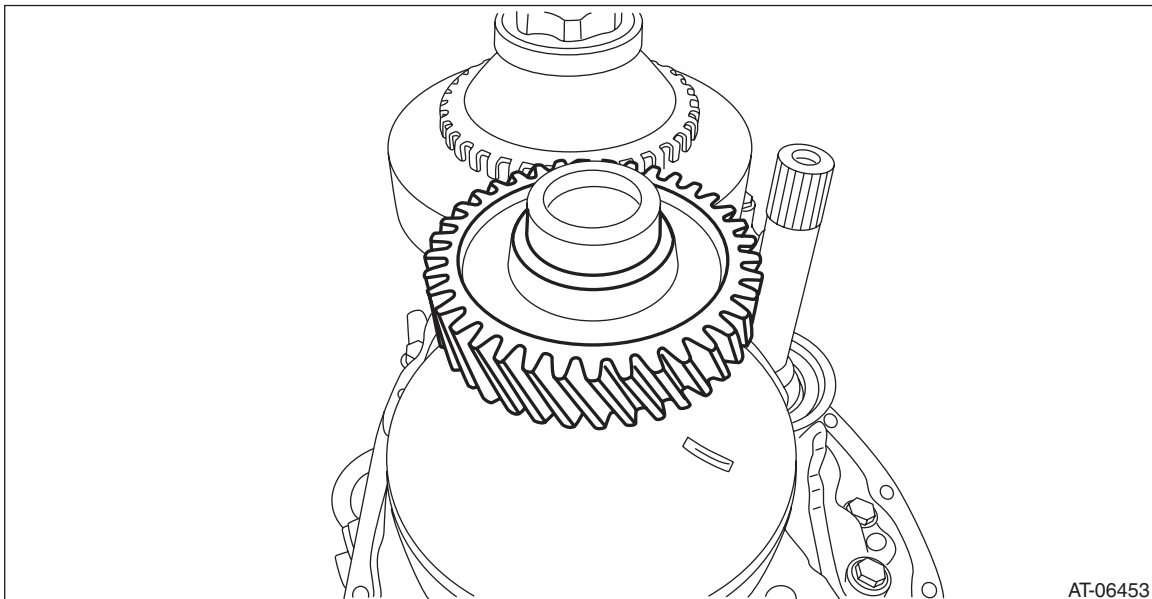
## Reduction Drive Gear

CONTINUOUSLY VARIABLE TRANSMISSION

### 36.Reduction Drive Gear

#### A: REMOVAL

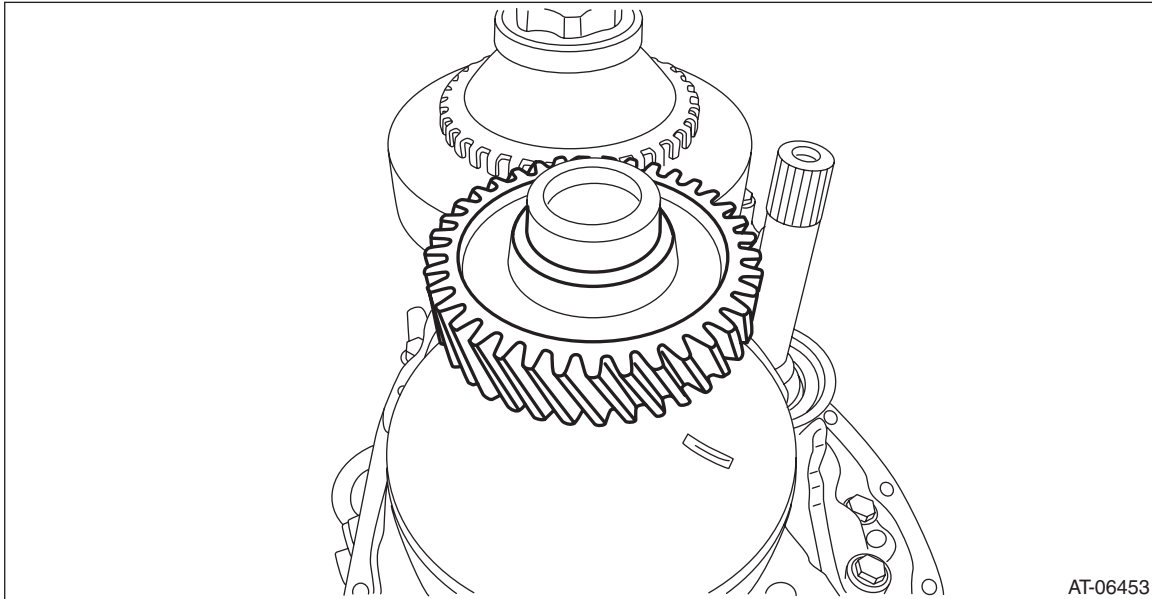
- 1) Remove the transmission assembly from the vehicle. <Ref. to CVT-56, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the air breather hose. <Ref. to CVT-148, REMOVAL, Air Breather Hose.>
- 3) Remove the control valve body. <Ref. to CVT-110, REMOVAL, Control Valve Body.>
- 4) Remove the transmission harness. <Ref. to CVT-124, REMOVAL, Transmission Harness.>
- 5) Remove the turbine speed sensor. <Ref. to CVT-97, REMOVAL, Turbine Speed Sensor.>
- 6) Remove the secondary speed sensor. <Ref. to CVT-99, REMOVAL, Secondary Speed Sensor.>
- 7) Remove the primary speed sensor. <Ref. to CVT-101, REMOVAL, Primary Speed Sensor.>
- 8) Remove the inhibitor switch. <Ref. to CVT-93, REMOVAL, Inhibitor Switch.>
- 9) Remove the extension case. <Ref. to CVT-156, REMOVAL, Extension Case.>
- 10) Remove the transfer clutch assembly. <Ref. to CVT-160, REMOVAL, Transfer Clutch.>
- 11) Remove the transfer driven gear assembly. <Ref. to CVT-174, REMOVAL, Transfer Driven Gear.>
- 12) Remove the parking pawl. <Ref. to CVT-177, REMOVAL, Parking Pawl.>
- 13) Remove the reduction driven gear assembly. <Ref. to CVT-179, REMOVAL, Reduction Driven Gear.>
- 14) Remove the oil pan and oil strainer. <Ref. to CVT-106, REMOVAL, Oil Pan and Strainer.>
- 15) Remove the transmission control device. <Ref. to CVT-187, REMOVAL, Transmission Control Device.>
- 16) Remove the transmission case. <Ref. to CVT-193, REMOVAL, Transmission Case.>
- 17) Remove the reduction drive gear.



AT-06453

## B: INSTALLATION

- 1) Install the reduction drive gear to secondary pulley.



- 2) Select the reduction drive gear shim. <Ref. to CVT-208, ADJUSTMENT, Reduction Drive Gear.>
- 3) Remove the transmission case, and install the selected shim.
- 4) Install the transmission case. <Ref. to CVT-196, INSTALLATION, Transmission Case.>
- 5) Install the transmission control device. <Ref. to CVT-190, INSTALLATION, Transmission Control Device.>
- 6) Install the oil strainer and oil pan. <Ref. to CVT-107, INSTALLATION, Oil Pan and Strainer.>
- 7) Install the reduction driven gear assembly. <Ref. to CVT-179, INSTALLATION, Reduction Driven Gear.>
- 8) Install the parking pawl. <Ref. to CVT-178, INSTALLATION, Parking Pawl.>
- 9) Install the transfer driven gear assembly. <Ref. to CVT-175, INSTALLATION, Transfer Driven Gear.>
- 10) Install the transfer clutch assembly. <Ref. to CVT-162, INSTALLATION, Transfer Clutch.>
- 11) Install the extension case. <Ref. to CVT-157, INSTALLATION, Extension Case.>
- 12) Install the inhibitor switch. <Ref. to CVT-95, INSTALLATION, Inhibitor Switch.>
- 13) Install the secondary speed sensor. <Ref. to CVT-99, INSTALLATION, Secondary Speed Sensor.>
- 14) Install the primary speed sensor. <Ref. to CVT-102, INSTALLATION, Primary Speed Sensor.>
- 15) Install the turbine speed sensor. <Ref. to CVT-97, INSTALLATION, Turbine Speed Sensor.>
- 16) Install the transmission harness. <Ref. to CVT-130, INSTALLATION, Transmission Harness.>
- 17) Install the control valve body. <Ref. to CVT-116, INSTALLATION, Control Valve Body.>
- 18) Install the air breather hose. <Ref. to CVT-149, INSTALLATION, Air Breather Hose.>
- 19) Install the transmission assembly to the vehicle. <Ref. to CVT-67, INSTALLATION, Automatic Transmission Assembly.>

## C: INSPECTION

Check the reduction drive gear for breakage or damage.

# Reduction Drive Gear

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## D: ADJUSTMENT

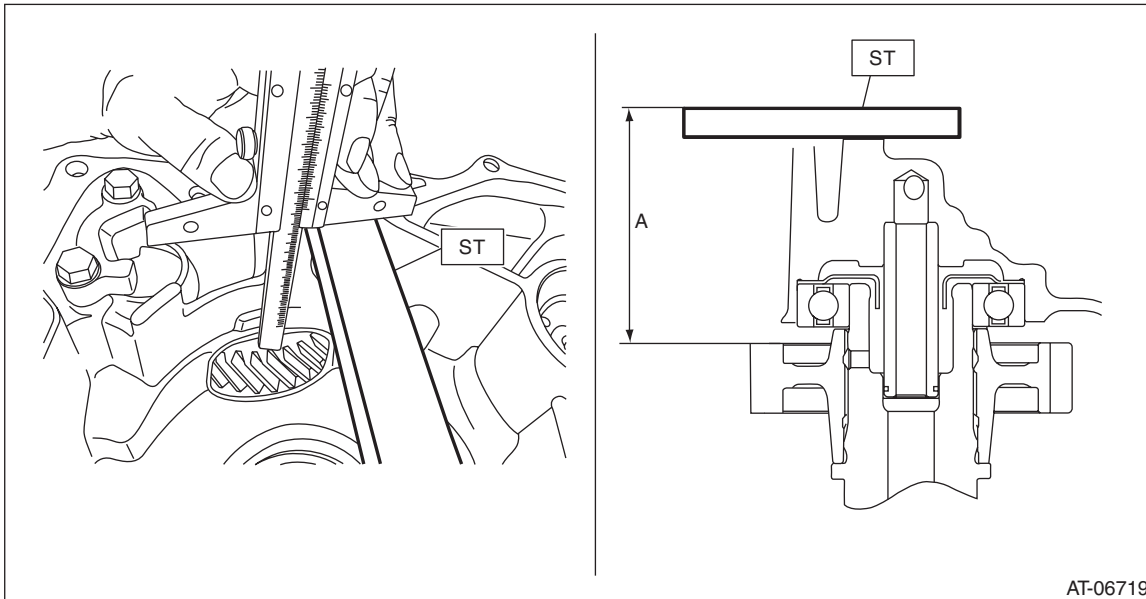
1) Install the transmission case, and secure it with four or five bolts.

**Tightening torque:**

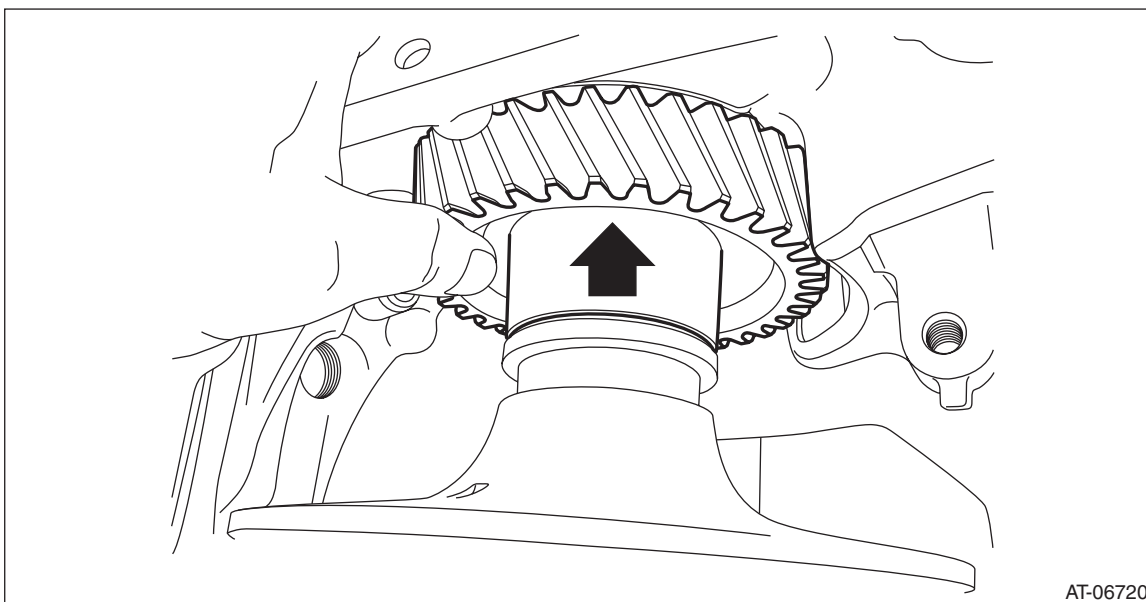
**22 N·m (2.2 kgf·m, 16.2 ft·lb)**

2) Measure depth "A" from the ST upper face to the reduction drive gear end face.

ST 499575400 GAUGE



3) Raise and hold the reduction drive gear.

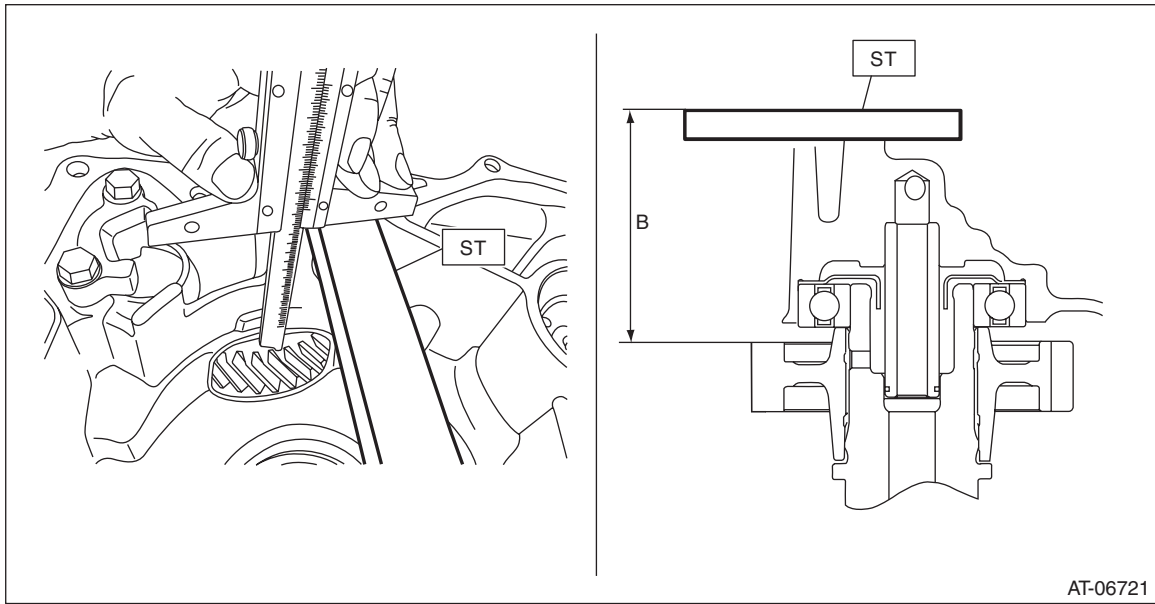


# Reduction Drive Gear

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4) Measure depth "B" from the ST upper face to the reduction drive gear end face.

ST 499575400 GAUGE



AT-06721

5) Obtain the thickness of reduction drive gear shim using the following formula to select one to three reduction drive gear shims.

$$T \text{ (mm)} = A - B - (0.05 - 0.25)$$

$$[T \text{ (in)} = A - B - (0.002 - 0.01)]$$

T: Reduction drive gear shim thickness

A: Depth from the ST upper face to the reduction drive gear end surface

B: Depth from the ST upper face to the reduction drive gear end surface

0.05 — 0.25 mm (0.002 — 0.01 in): Clearance

Part No.	Reduction drive gear shim thickness mm (in)
31288AA260	0.3 (0.012)
31288AA270	0.4 (0.016)
31288AA280	0.5 (0.020)
31288AA290	0.6 (0.024)