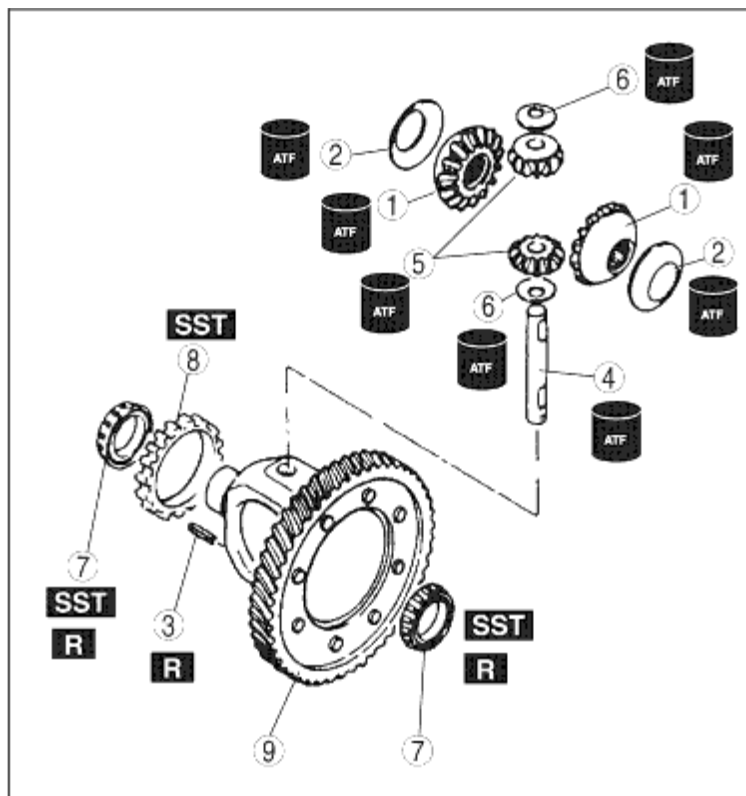


DIFFERENTIAL DISASSEMBLY/ASSEMBLY

A6E561427100A01

1. Carry out the preinspection before disassembly. (See [Differential Preinspection.](#))
2. Disassemble in the order indicated in the table.
3. Assemble in the reverse order of disassembly.

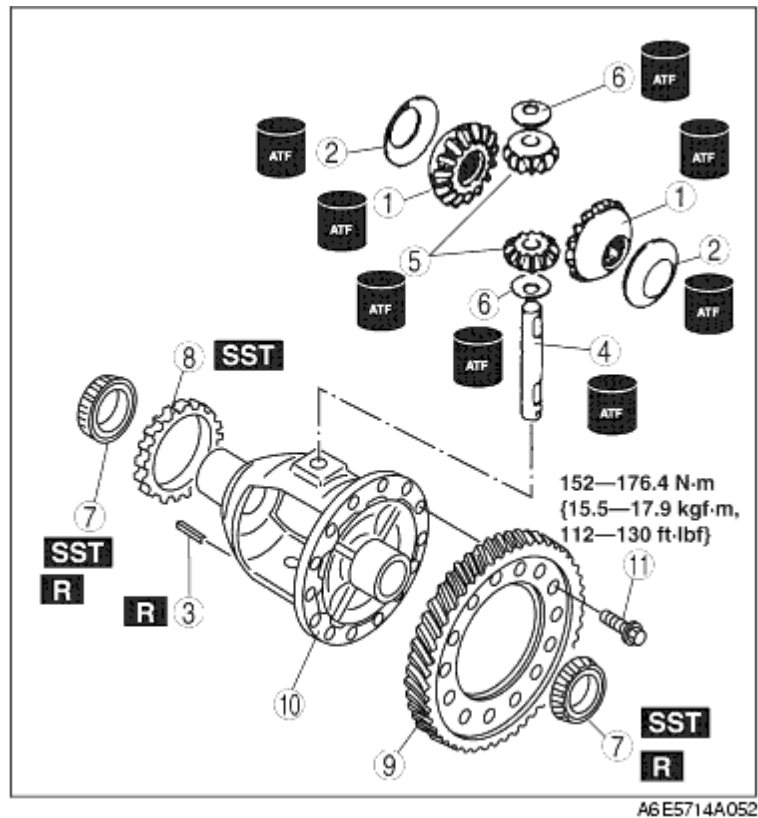
RIVET FIXED TYPE



A6E5714A051

1	Side gear
2	Thrust washer
3	Roll pin (See Roll Pin Disassembly Note)
4	Pinion shaft
5	Pinion gear
6	Thrust washer
7	Bearings (See Bearings Disassembly Note)
8	Sensor rotor (See Sensor Rotor Disassembly Note)
9	Ring gear and gear case

BOLT FIXED TYPE



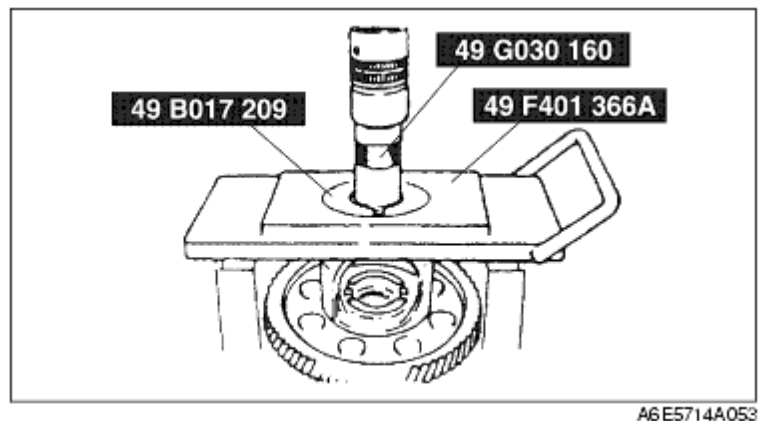
1	Side gear
2	Thrust washer
3	Roll pin (See Roll Pin Disassembly Note)
4	Pinion shaft
5	Pinion gear
6	Thrust washer
7	Bearings (See Bearings Disassembly Note)
8	Sensor rotor (See Sensor Rotor Disassembly Note)
9	Ring gear
10	Gear case
11	Bolt

Roll Pin Disassembly Note

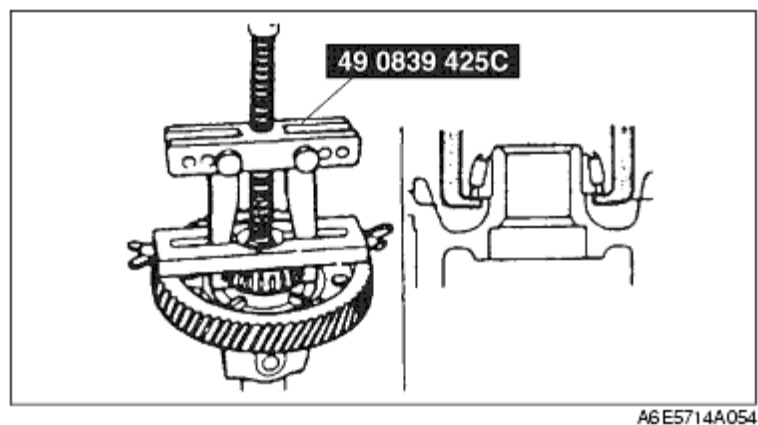
1. Place the gear case in a vise.
2. Insert a **2.0 mm {0.07 in}** punch into the roll pin hole from the ring gear side, and remove the roll pin.

Bearings Disassembly Note

1. Remove the bearing (speedometer drive gear side) from the gear case using the **SSTs**.

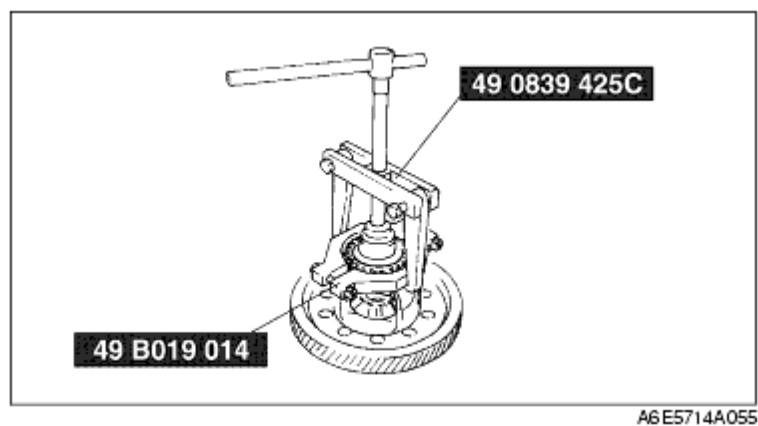


2. Remove the bearing (ring gear side) from the gear case using the **SST**.



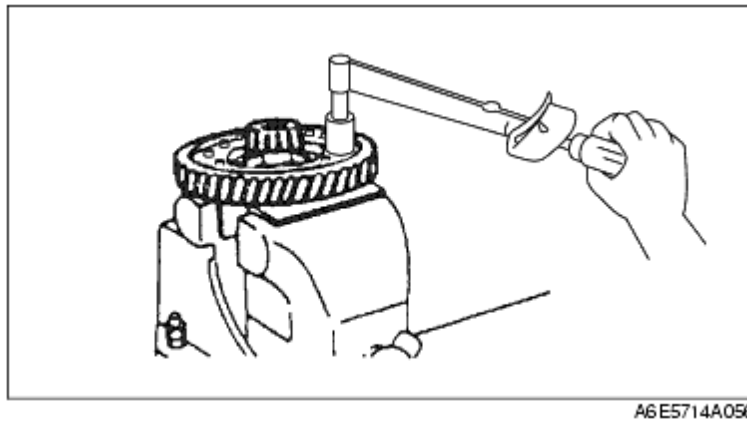
Sensor Rotor Disassembly Note

- Remove the sensor rotor from the gear case using the **SSTs**.

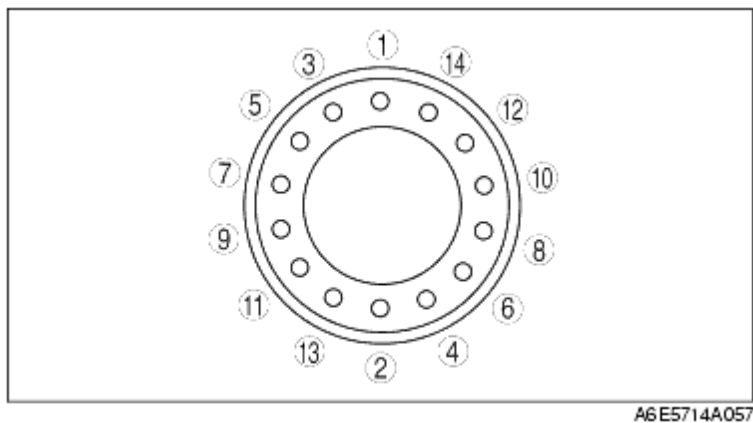


Assembly Procedure

1. Install the ring gear to the gear case. (bolt fixed type)

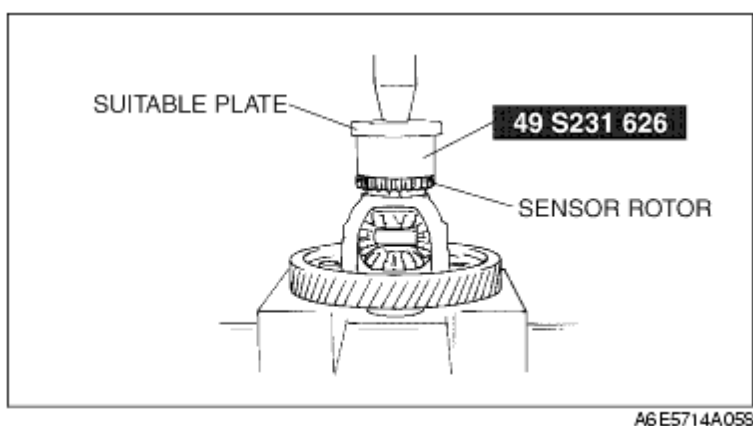


2. Tighten the bolts evenly and gradually in the order shown. (bolt fixed type)



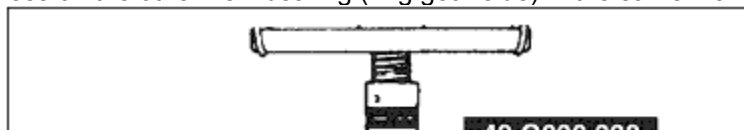
Tightening torque
 152-176.5 N·m
 {15.5-17.9 kgf·m, 112-130 ft·lb}

3. Install the sensor rotor to the gear case using the **SST** and suitable plate.

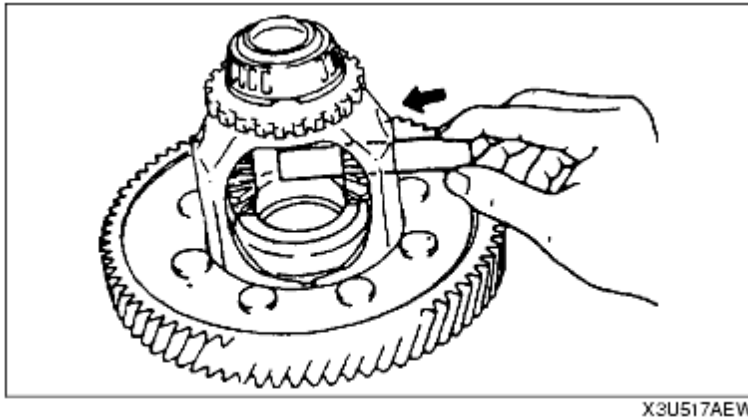


4. Install a new bearing.

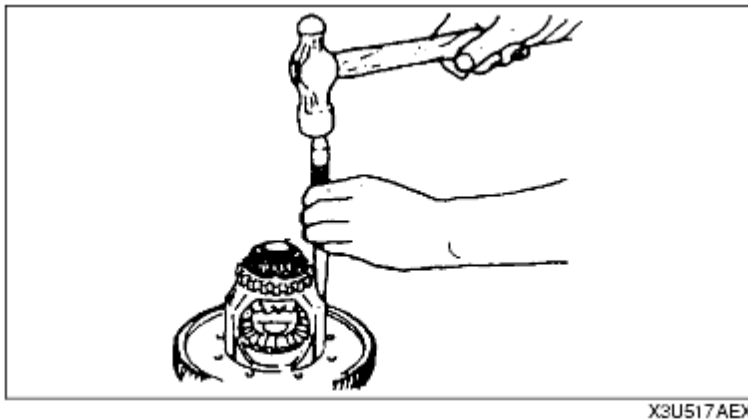
- (1) Press the new bearing (speedometer drive gear side) onto the gear case using the **SST**.
- (2) Press on the other new bearing (ring gear side) in the same manner.



5. Apply ATF to the thrust washers and pinion shaft.
6. Install the pinion gear and thrust washers into the gear case.
7. Install the pinion shaft.

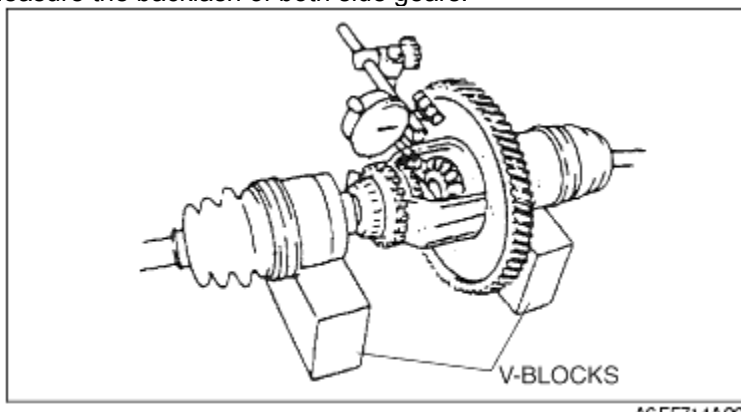


8. Install the roll pin, and crimp it to prevent it from coming out of the gear case.



9. Apply ATF to the thrust washers.
10. Install the thrust washers and side gears into the gear case, then turn the side gears and align them with the drive shaft holes.
11. Measure the backlash of the side gears as follows:

- (1) Install the left and right drive shafts in the differential.
- (2) Support the drive shafts on V-blocks.
- (3) Measure the backlash of both side gears.



Backlash

Standard: 0.05-0.15 mm {0.002-0.005 in}

Maximum: 0.5 mm {0.020 in}

12. If the backlash is not within the specification, replace the differential.