

FRONT AXLE & SUSPENSION

WHEEL ALIGNMENT.....FS-2
INSPECTION.....FS-2

1 WHEEL ALIGNMENT

1-1 INSPECTION

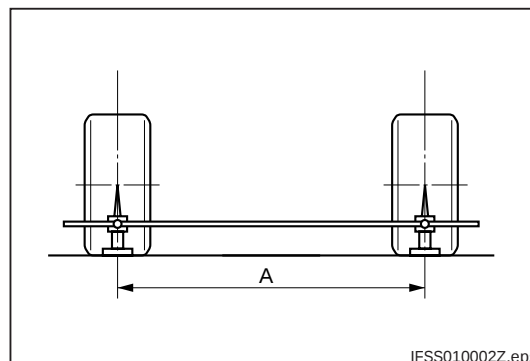
1-1-1 TOE-IN

(1) CHECK

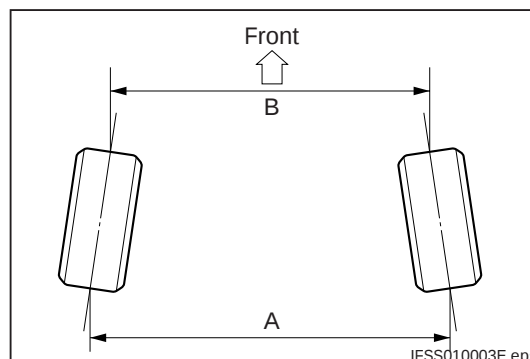
1. Rock the vehicle in an up-and-down direction so as to settle the suspension.
2. Move the vehicle 5 m forward by pushing with hand.
3. Measure the toe-in.
 - (1) Set the pointer height of the toe-in gauge to the center height of the front disc wheel axle. Then, place it behind the tires.
 - (2) Put the mark on the tread center of each front wheel tire at the rear side. Measure the distance between the two marks. (Dimension A)
 - (3) Slowly push the vehicle forward so that the front wheels may turn 180 degrees.

CAUTION

- Be very careful not to turn the tires more than 180 degrees. If the tires are turned beyond 180 degrees, start the operation from the beginning.



- (4) Measure the distance (dimension B) between the marks at the vehicle front section.
 - (5) Calculate the toe-in (dimension A - dimension B).
- SPECIFIED VALUE: 0 ± 2.0 mm



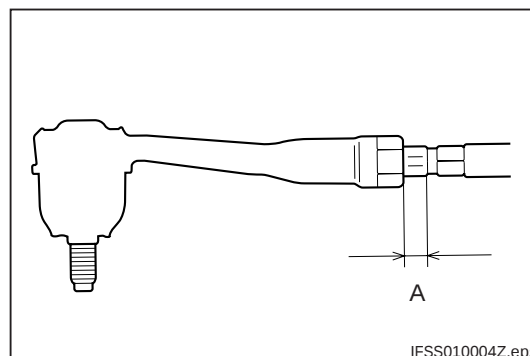
(2) ADJUSTMENT

1. Loosen the lock nuts of the tie rod ends.
2. Turn the rack ends at the right and left sides by the same amount in the opposite direction, respectively, so as to adjust the toe-in to the range of the specified value.
3. Tighten the lock nut of the tie-rod end.

TIGHTENING TORQUE: 36.8 ± 7.3 N·m

CAUTION

- Make sure that the moving amount of the tie rods at the right and left sides is the same.
- Make sure that the length (A) indicated in the right figure is the same. (Failure to observe this caution may cause differences in the wheel turning angle.)
- Be very careful not to twist the boots during the adjustment.



4. Check the toe-in again.
- SPECIFIED VALUE: 0 ± 1.0 mm