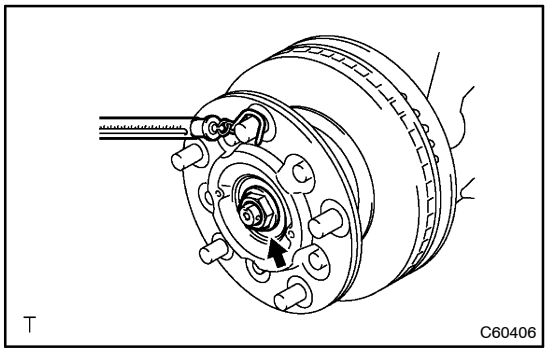
300IE–01

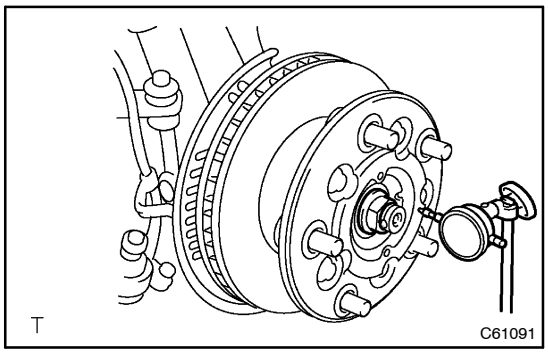
ON–VEHICLE INSPECTION

1. Front wheel:
INSPECT PRELOAD

(a) Remove the front tire.
(b) Move the front axle hub 2 or 3 times over the full range to settle down the bearing.
(c) Loosen the lock nut so that it can be turned by hand (approx. 60°).
(d) Using a plastic hammer, lightly hit the spindle tip.



(e) Using a socket wrench (35 mm) and spring tension gauge, tighten the lock nut within the range of the reference value for the starting torque.
Preload (at starting):
5 hub bolts: 4.9 – 14.2 N (0.5 – 1.4 kgf, 1.1 – 3.1 lbf)
6 hub bolts: 17.7 – 44.1 N (1.8 – 4.5 kgf, 4.0 – 10.0 lbf)
(f) Confirm the smooth rotation of the front axle hub.
(g) Install the front tire.

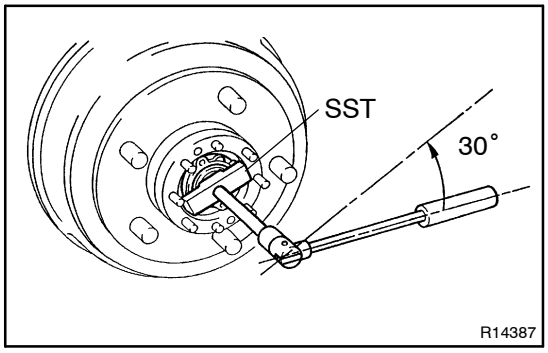


2. Front wheel:
INSPECT BEARING AXIAL PLAY

(a) Remove the front tire.
(b) Check the bearing for play in the axial direction near the inner circumference of the front axle hub (flange part).
Maximum: 0.05 mm (0.0020 in.)
(c) Install the front tire.

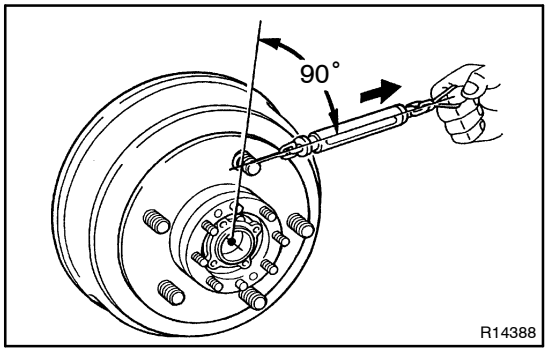
3. Rear wheel for 5 hub bolts type:
INSPECT PRELOAD

(a) Settle down the bearing by turning the hub several times.
(b) Using SST, tighten the lock nut again.
SST 09513–36020
Torque: 56 N·m (575 kgf·cm, 42 ft·lbf)



(c) Using SST, loosen the lock nut until it can be turned by hand.
SST 09513–36020

HINT:
Loosen the lock nut by 30°.

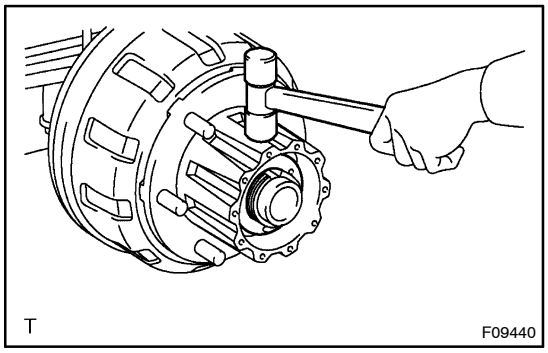


(d) Using a spring tension gauge, measure the preload.
Preload (at starting):
9.8 – 29.4 N (1.0 – 3.0 kgf, 2.2 – 6.6 lbf)

NOTICE:
Adjust the gap so that the brake drum and the brake shoe do not come into contact.

If the preload is not within the specification, adjust the preload by tightening or loosening the lock nut.

(e) Check that the axle hub rotates smoothly.

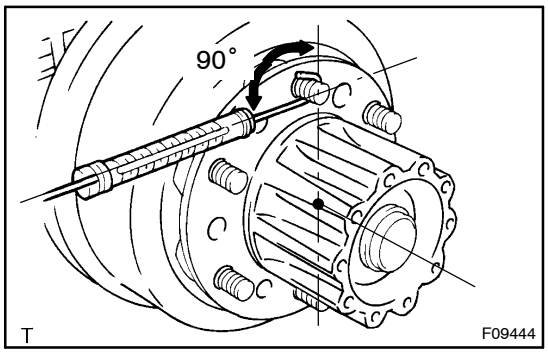


4. Rear wheel for 6 hub bolts type:
ADJUST PRELOAD

(a) Using a plastic hammer, tap the axle hub.

(b) Turn the axle hub and check that the bearing returns.

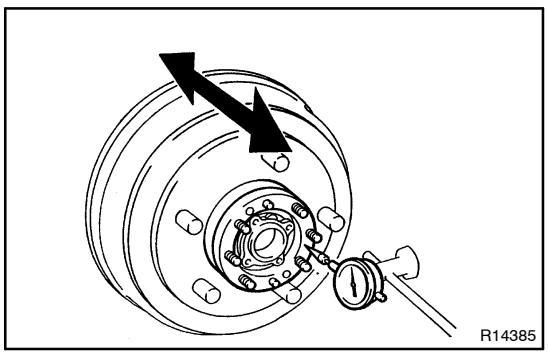
NOTICE:
Adjust the gap so that the brake drum and the brake shoe do not come into contact.



(c) Using a spring tension gauge, measure the preload at the hub bolt.
Preload (at rotating):
35.3 – 53.0 N (3.6 – 5.4 kgf, 7.9 – 11.9 lbf)

If the preload is not within the specification, adjust the preload by tightening or loosening the lock nut.

(d) Check that the axle hub rotates smoothly.



5. Rear wheel:
INSPECT AXLE HUB AXIAL PLAY
Axial play: 0.10 mm (0.0039 in.) or less