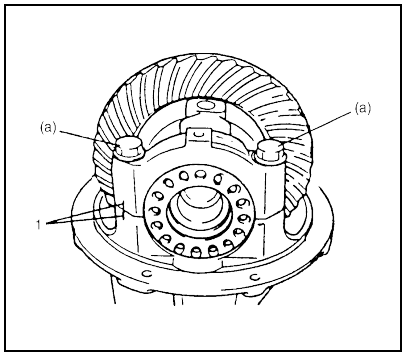
Differential Assembly

1) Place differential side bearing outer races on their respective bearings.
   Used left and right outer races are not interchangeable.
2) Install differential case assembly in differential carrier.
3) Install differential side bearing adjusters on their respective carrier, making sure adjuster are threaded properly.

NOTE:

Screw in each adjuster till it contacts bearing outer race so that outer race is prevented from including.



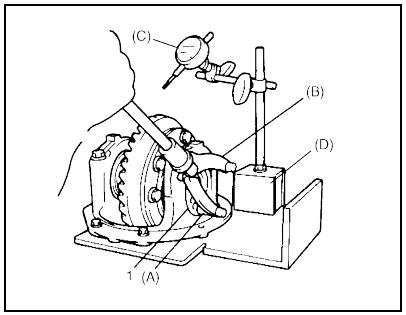
4) Align match marks (1) on differential side bearing cap and carrier. Screw in two side bearing cap bolts two or three turns and press down bearing cap by hand.

NOTE:

If bearing cap does not fit tightly on carrier, side bearing adjuster is not threaded properly. Reinstall adjuster.

5) Tighten bearing cap bolts to provisional torque.

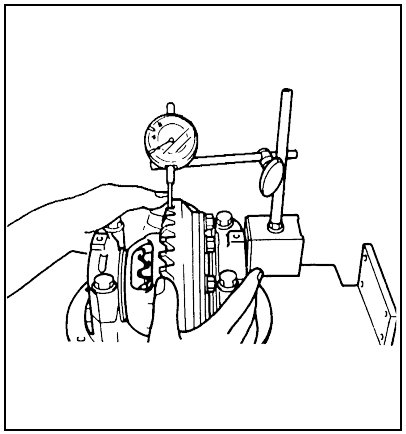
Tightening torque
Bearing cap bolts
(a) : 15 N·m (1.5 kg-m, 11.0 lb-ft)



6) Tighten both differential side bearing adjusters (1) so as to obtain specified gear backlash and at the same time, obtain preload of differential side bearing.

Special tool
(A) : 09930-40120
(B) : 09930-40113
(C) : 09900-20607
(D) : 09900-20701

Bevel gear backlash
: 0.10 – 0.20 mm (0.0039 – 0.0078 in.)



NOTE:

- **Be sure to apply measuring tip of dial gauge at right angles to convex side of tooth.**
- **Measure at least 4 points on drive bevel gear periphery.**
- **As a practical measure following would be recommended to obtain specified backlash and differential side bearing preload at the same time.**
  - **To increase or decrease backlash for adjustment, displace drive bevel gear toward or away from drive bevel pinion by running in one adjuster and running out the other adjuster by equal amount.**
  - **Tighten both adjusters further by one notch at a time.**