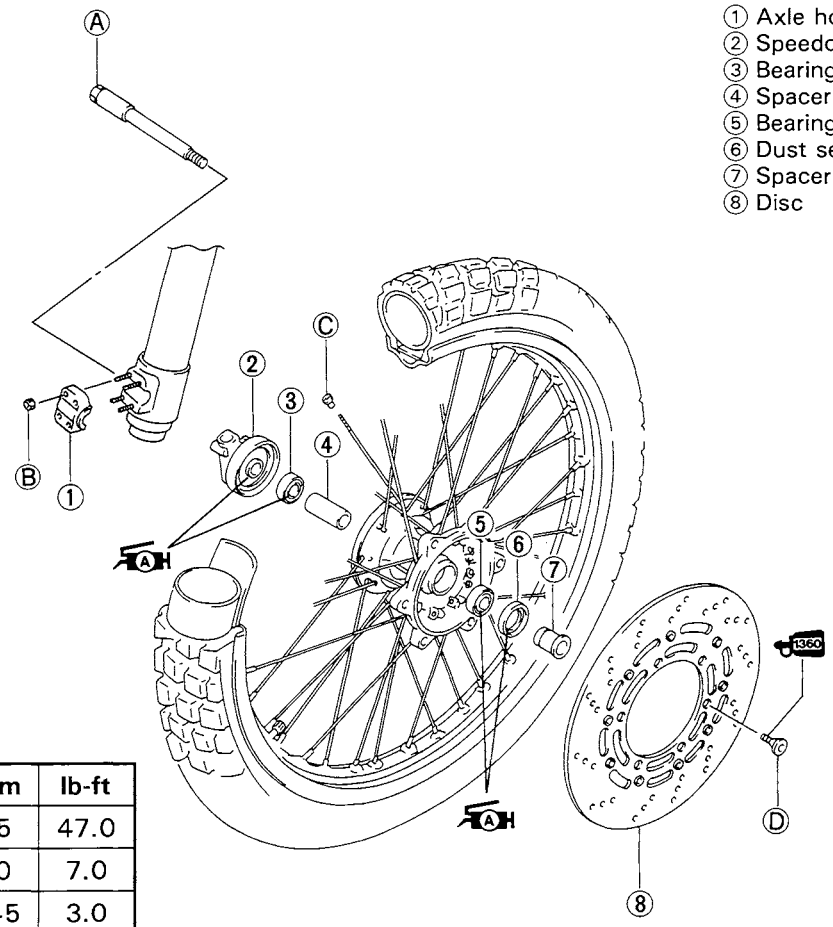
FRONT WHEEL



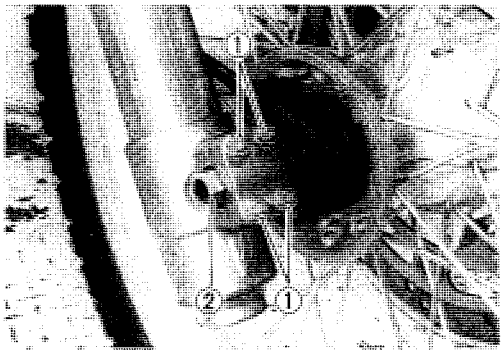
① Axle holder
② Speedometer gearbox
③ Bearing (R)
④ Spacer
⑤ Bearing (L)
⑥ Dust seal
⑦ Spacer
⑧ Disc

ITEM	N·m	kg-m	lb-ft
Ⓐ	65	6.5	47.0
Ⓑ	10	1.0	7.0
Ⓒ	4.5	0.45	3.0
Ⓓ	23	2.3	16.5

REMOVAL

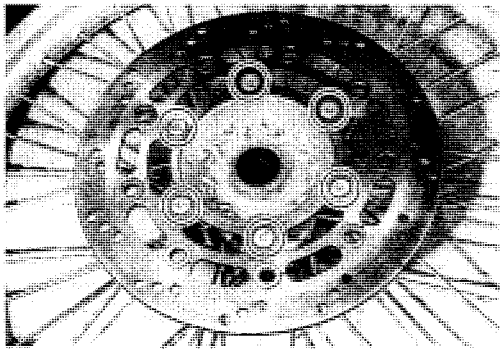
- Loosen the front axle holder nuts ① and axle shaft ②.
- Carefully position a jack under the chassis tubes and raise until the front wheel is slightly off the ground.
- Remove the front wheel by removing the front axle.

NOTE:
Do not operate the brake lever while dismounting the front wheel.



- Remove the disc by removing the mounting bolts.

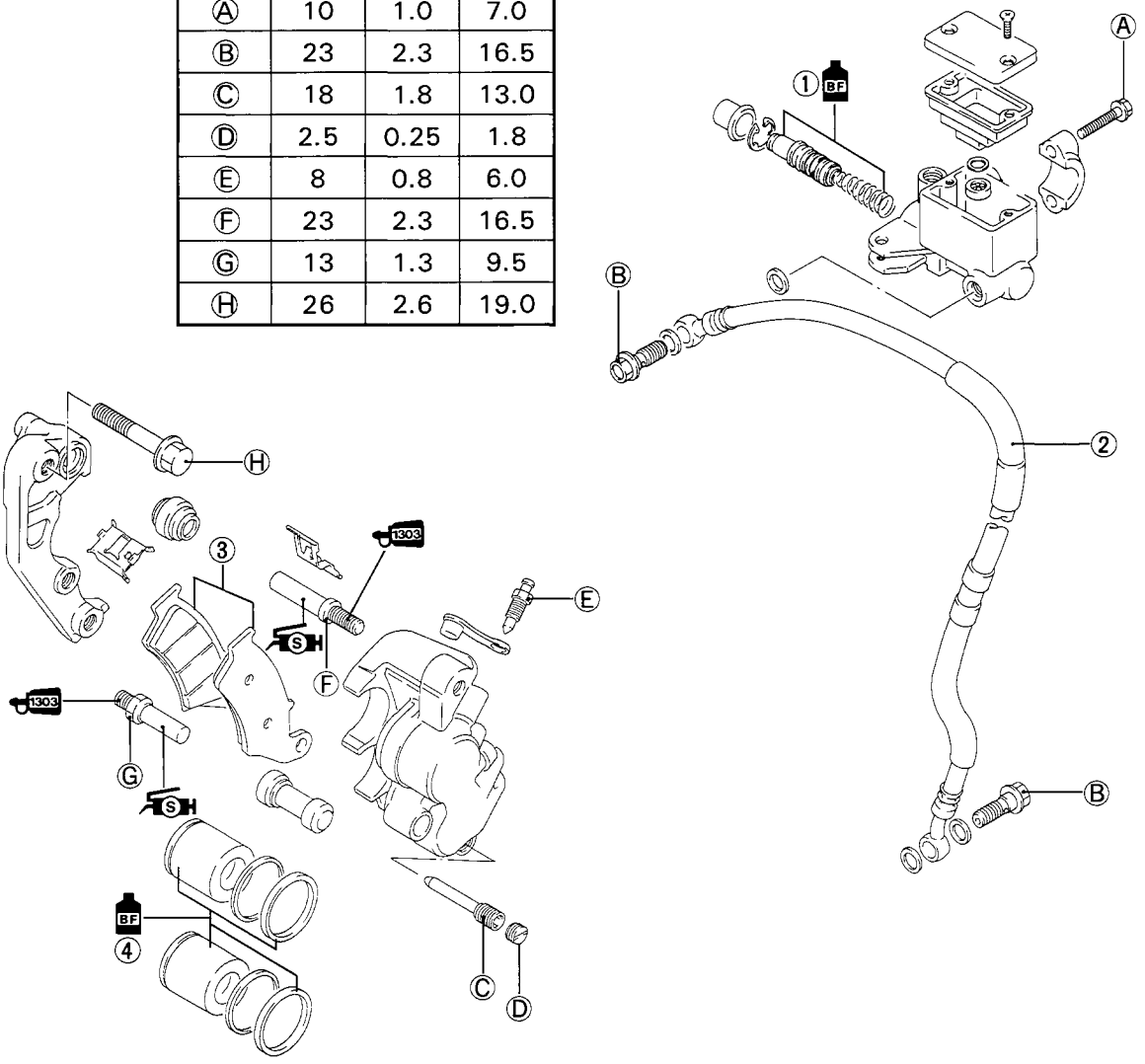
Note: The disc mounting bolts are loctited in position. They require heat to be removed without destroying the bolts. Heat with a propane torch. Warm the hub at the bolt/sprocket mount points and/or bolts.



FRONT BRAKE

① Piston/cup set
② Brake hose
③ Pad
④ Piston set

ITEM	N·m	kg-m	lb-ft
Ⓐ	10	1.0	7.0
Ⓑ	23	2.3	16.5
Ⓒ	18	1.8	13.0
Ⓓ	2.5	0.25	1.8
Ⓔ	8	0.8	6.0
Ⓕ	23	2.3	16.5
Ⓖ	13	1.3	9.5
Ⓗ	26	2.6	19.0



⚠ WARNING

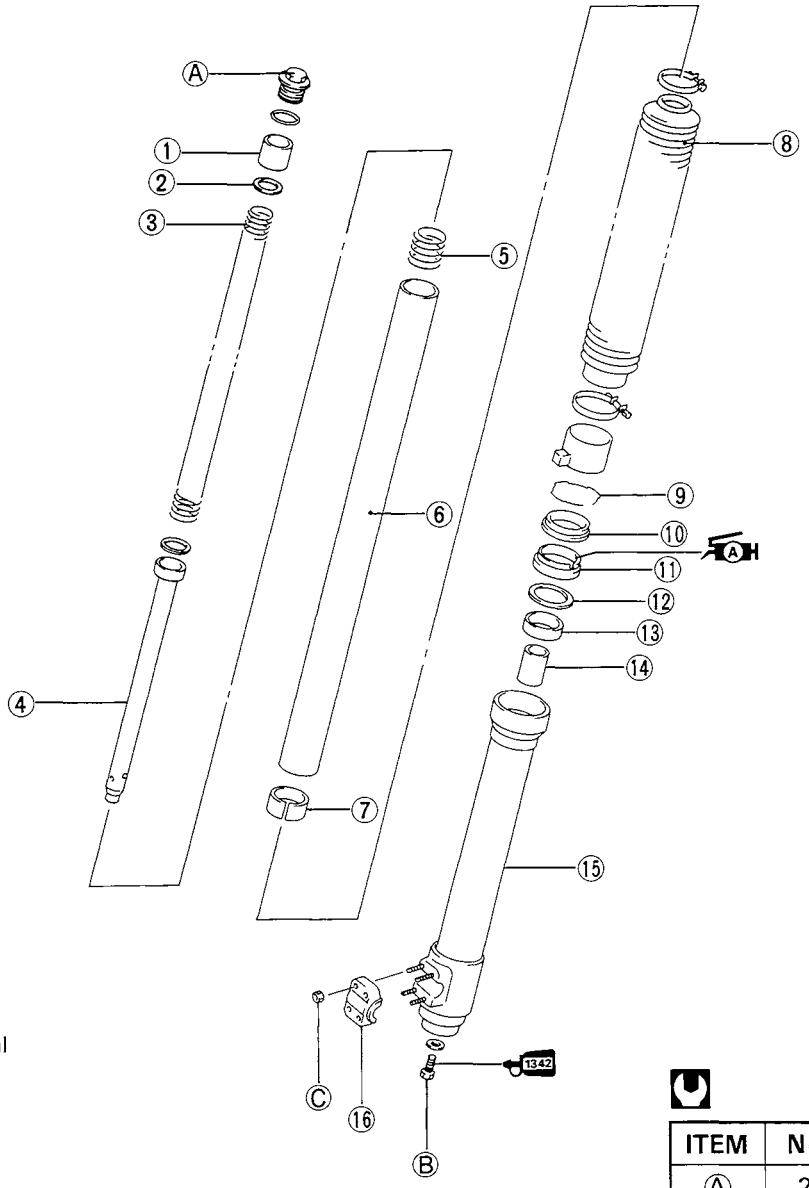
* This brake system is filled with a ethylene glycol-based DOT 4 brake fluid. Do not use or mix different types of fluid such as silicone-based or petroleum-based.
* Do not use any brake fluid taken from old, used or unsealed containers. Never reuse brake fluid left over from the last servicing or stored for long periods.
* When storing the brake fluid, seal the container completely and keep away from children.
* When replenishing brake fluid, take care not to get dust into fluid.
* When washing brake components, use fresh brake fluid. Never use cleaning solvent.
* A contaminated brake disc or brake pad reduces braking performance. Discard contaminated pads and clean the disc with high quality brake cleaner or neutral detergent.

⚠ CAUTION

Handle brake fluid with care: the fluid reacts chemically with paint, plastics rubber materials etc.

FRONT FORK

Suspension Tuning Info Suspension Setup Database

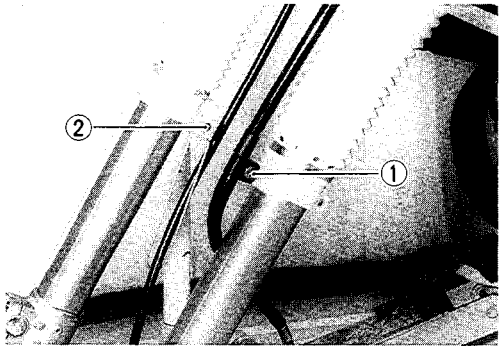


① Spacer
② Washer
③ Spring
④ Damper rod
⑤ Spring
⑥ Inner tube
⑦ Inner tube metal
⑧ Boot
⑨ Stopper ring
⑩ Dust seal
⑪ Oil seal
⑫ Retainer
⑬ Outer tube metal
⑭ Oil lock piece
⑮ Outer tube
⑯ Front axle holder

ITEM	N·m	kg-m	lb-ft
Ⓐ	23	2.3	16.5
Ⓑ	30	3.0	21.5
Ⓒ	10	1.0	7.0

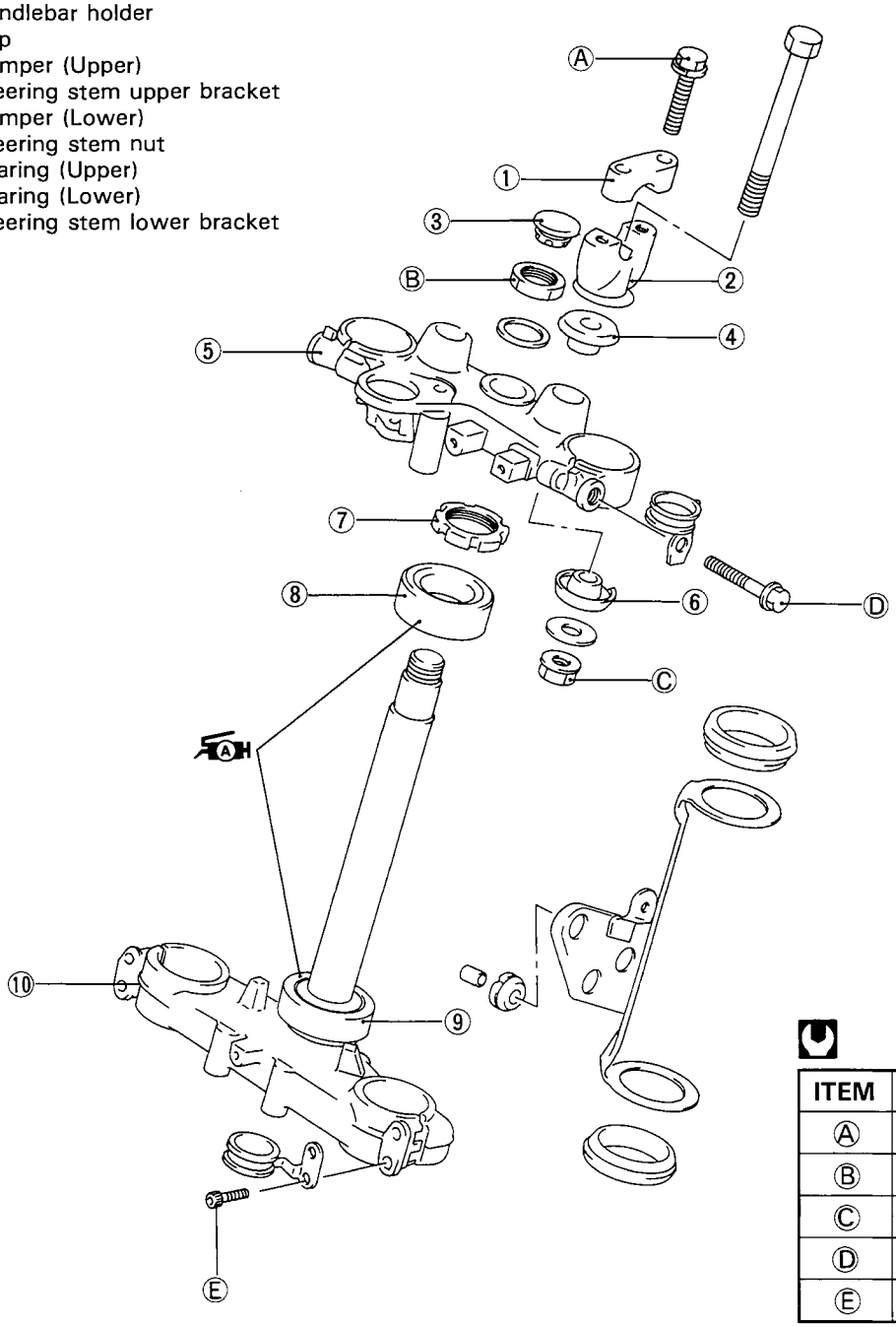
REMOVAL AND DISASSEMBLY

- Remove the front wheel. (Refer to page 5-2.)
- Remove the front brake caliper. (Refer to page 5-8.)
- Remove the front brake hose clamp bolt ①.
- Remove the speedometer cable guide bolt ②.



STEERING

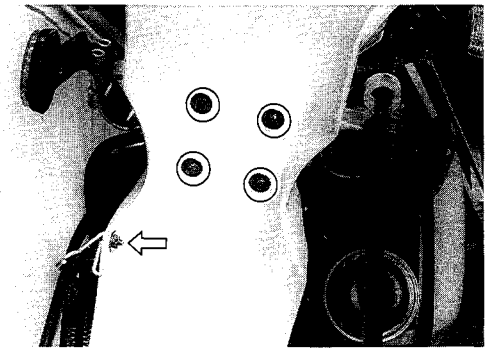
① Handlebar clamp
② Handlebar holder
③ Cap
④ Damper (Upper)
⑤ Steering stem upper bracket
⑥ Damper (Lower)
⑦ Steering stem nut
⑧ Bearing (Upper)
⑨ Bearing (Lower)
⑩ Steering stem lower bracket



ITEM	N·m	kg-m	lb-ft
A	23	2.3	16.5
B	90	9.0	65.0
C	25	2.5	18.0
D	29	2.9	21.0
E	26	2.6	19.0

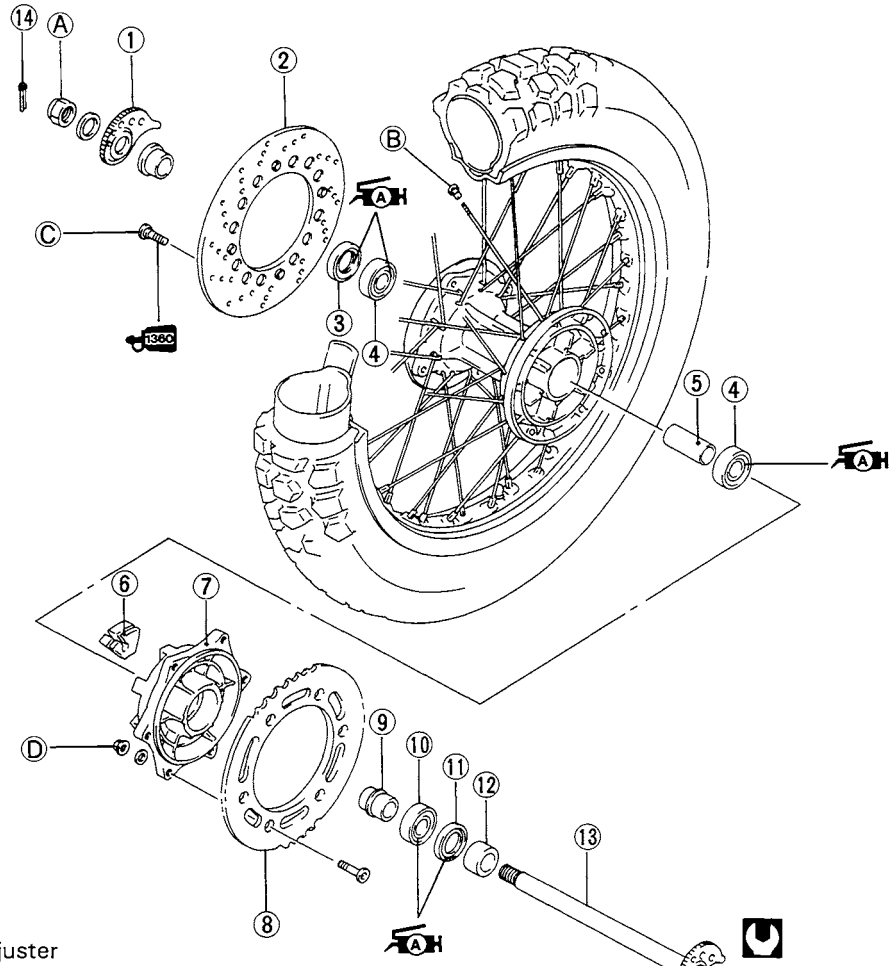
REMOVAL AND DISASSEMBLY

- Remove the front wheel. (Refer to page 5-2.)
- Remove the front fork. (Refer to page 5-14.)
- Remove the speedometer cable clamp and the front fender.



Note: It's a well known fact that manufacturers are pretty skimpy when it comes to greasing bearings like the steering head units. Suspension links are another place that grease is used sparingly. Repacking these bearings always a good idea.

REAR WHEEL



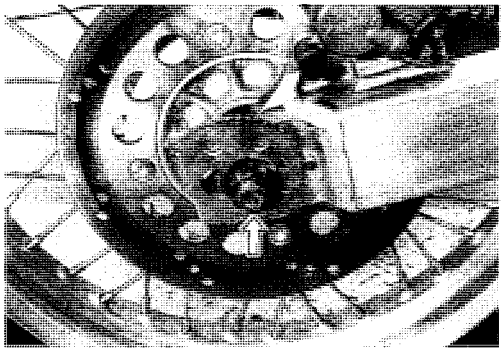
① Chain adjuster
② Disc
③ Dust seal
④ Bearing
⑤ Spacer
⑥ Damper
⑦ Sprocket drum
⑧ Rear sprocket
⑨ Spacer
⑩ Bearing
⑪ Dust seal
⑫ Spacer
⑬ Rear axle
⑭ Cotter pin (For Canada and U.S.A.)

ITEM	N·m	kg-m	lb-ft
Ⓐ	*100	*10.0	*72.5
	110	11.0	79.5
Ⓑ	4.5	0.45	3.0
Ⓒ	23	2.3	16.5
Ⓓ	27	2.7	19.5

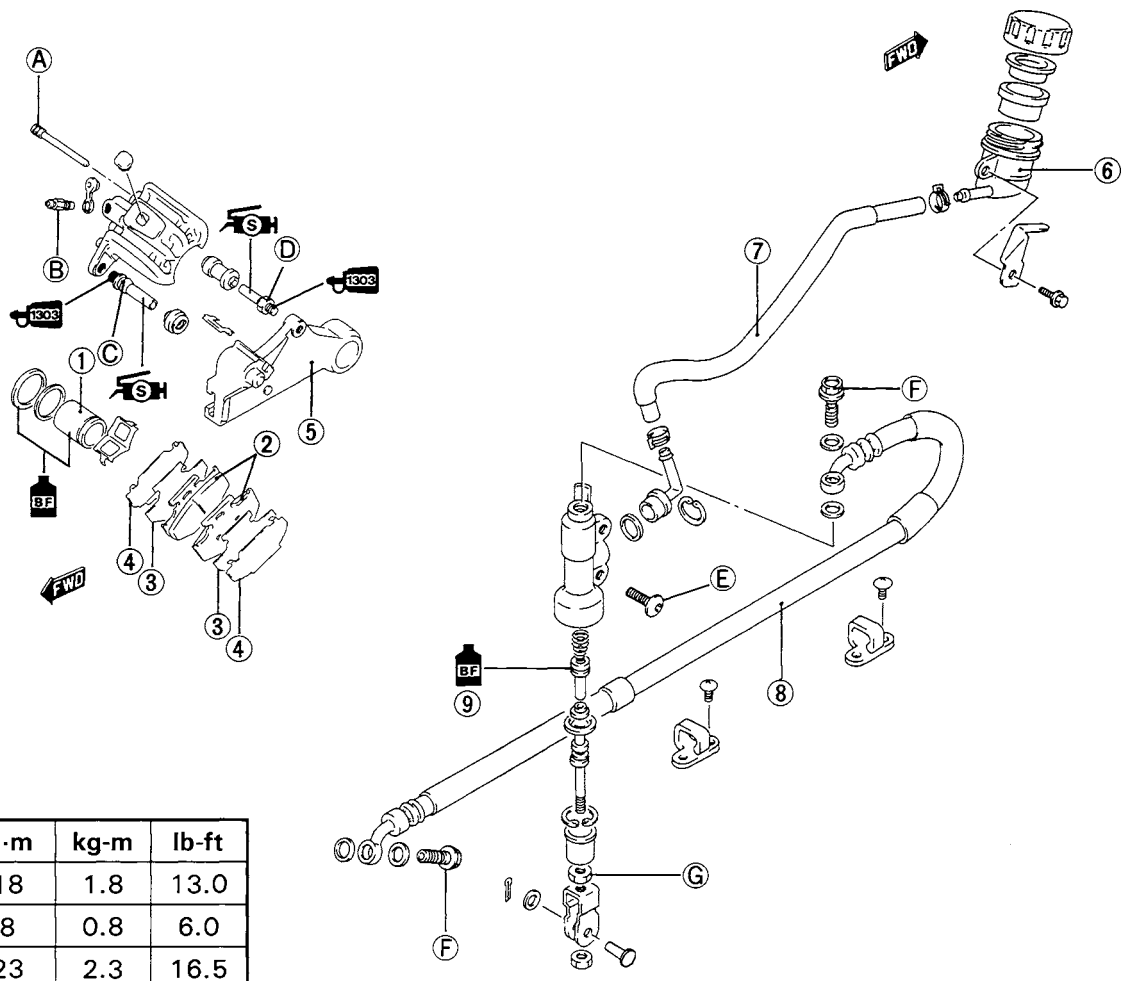
NOTE:
Asterisk mark (*) indicates the Canada and U.S.A. models.

REMOVAL

- Remove the cotter pin. (For Canada and U.S.A.)
- Loosen the axle nut.
- Support the motorcycle with a jack.
- Remove the axle nut and axle.



REAR BRAKE



ITEM	N·m	kg-m	lb-ft
Ⓐ	18	1.8	13.0
Ⓑ	8	0.8	6.0
Ⓒ	23	2.3	16.5
Ⓓ	13	1.3	9.5
Ⓔ	10	1.0	7.0
Ⓕ	23	2.3	16.5
Ⓖ	18	1.8	13.0

① Piston
② Pad
③ Insulator
④ Shim
⑤ Caliper holder
⑥ Reservoir tank
⑦ Reservoir tank hose
⑧ Brake hose
⑨ Piston/cup set

⚠ WARNING

* This brake system is filled with a ethylene glycol-based DOT 4 brake fluid. Do not use or mix different types of fluid such as silicone-based or petroleum-based.
* Do not use any brake fluid taken from old, used or unsealed containers. Never reuse brake fluid left over from the last servicing or stored for long periods.
* When storing the brake fluid, seal the container completely and keep away from children.
* When replenishing brake fluid, take care not to get dust into fluid.
* When washing brake components, use fresh brake fluid. Never use cleaning solvent.
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⚠ CAUTION

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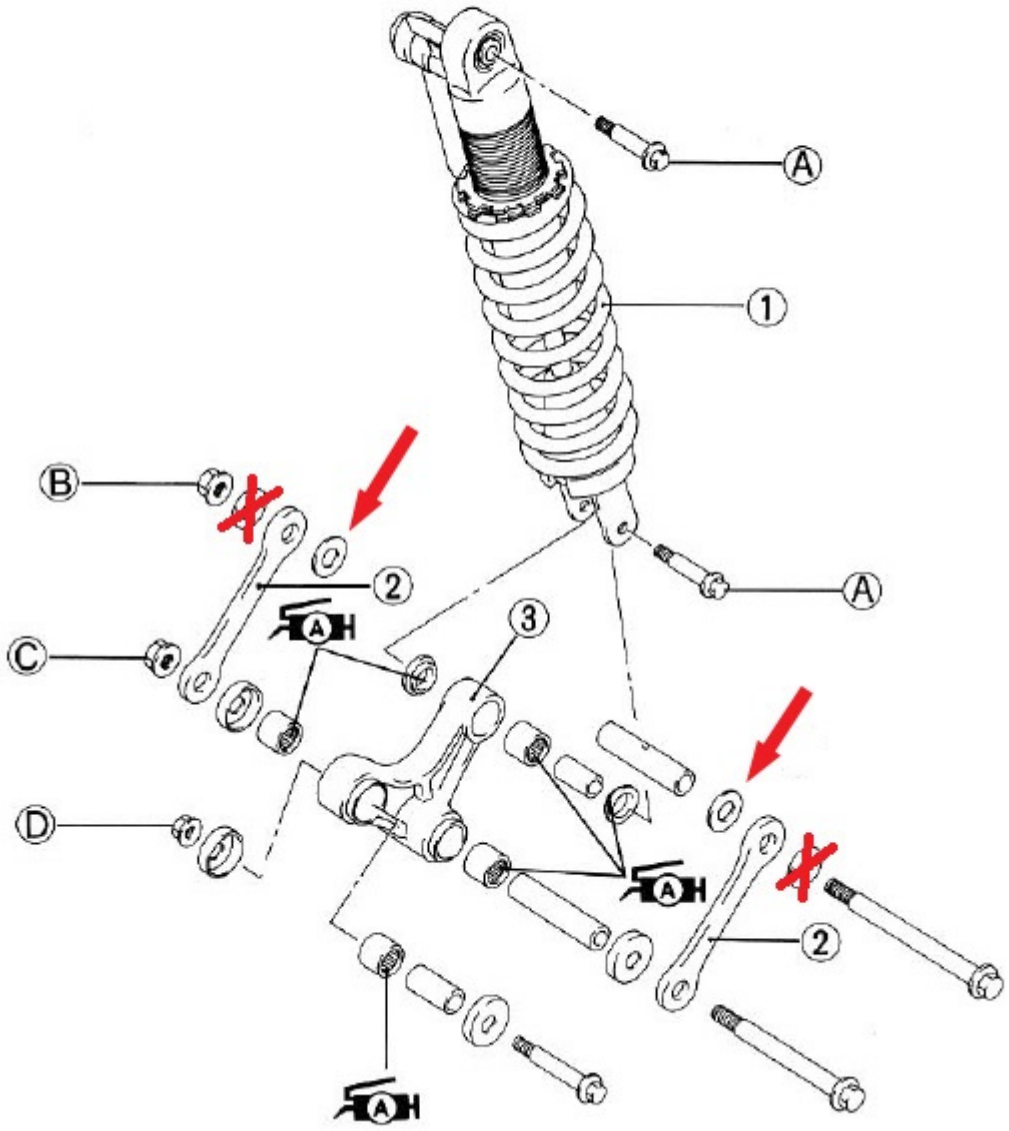
REAR SWINGARM AND SUSPENSION

Suspension Tuning Info

Suspension Setup Database

ScreenHunter_02 Jan. 04 18.01.png 01/04 18:01 ROB-A10-7850K Rob ScreenHunter

SUZUKI MANUAL CORRECTION



ER70S-2

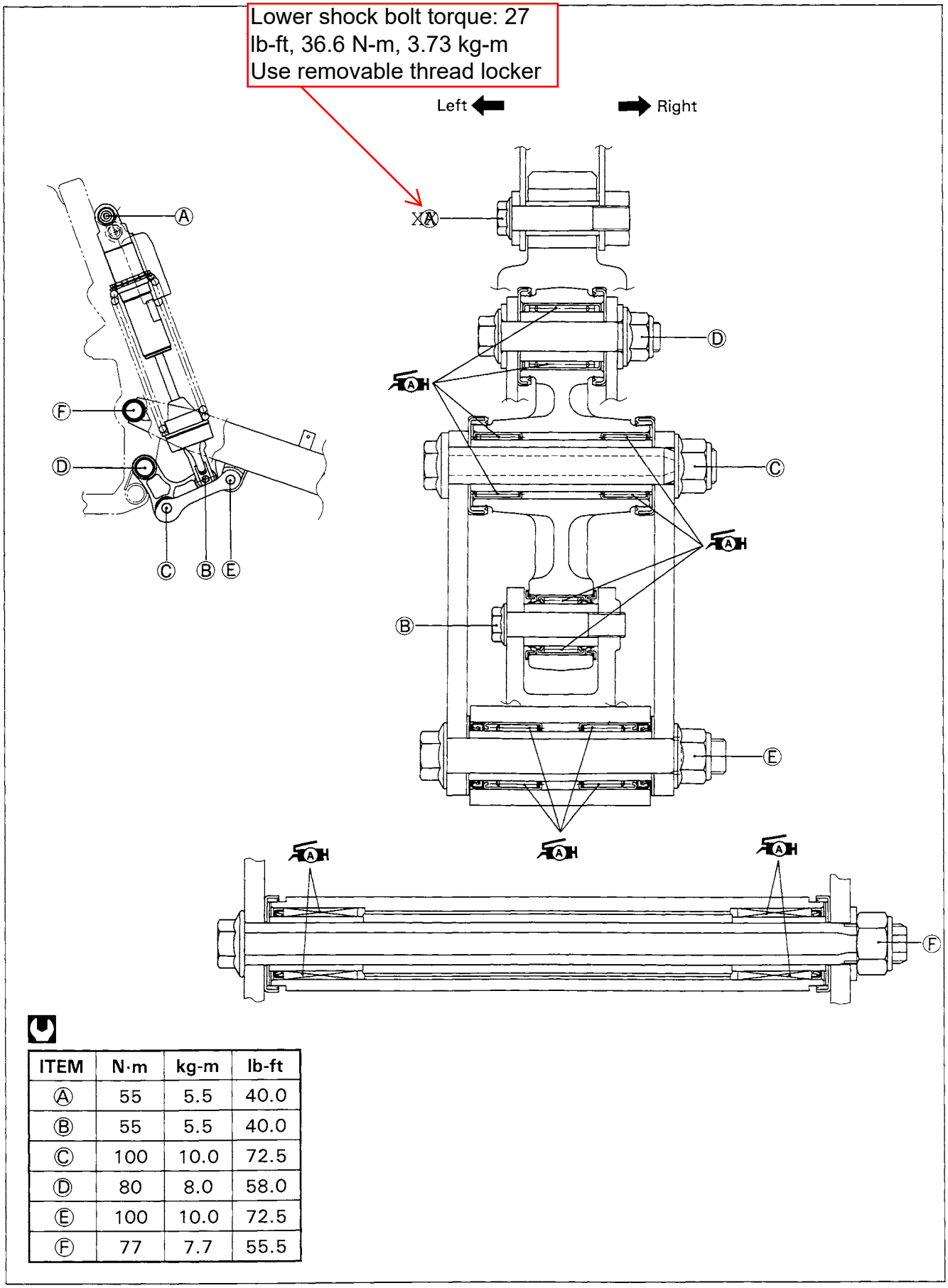
ITEM	N·m	kg-m	lb-ft
Ⓐ	55	5.5	40.0
Ⓑ	100	10.0	72.5
Ⓒ	100	10.0	72.5
Ⓓ	80	8.0	58.0
Ⓔ	77	7.7	55.5

Lower shock bolt torque: 27 lb-ft, 36.6 N-m, 3.73 kg-m Use removable thread locker

⑦

① Shock absorber
② Cushion rod
③ Cushion lever
④ Swingarm
⑤ Chain guide
⑥ Chain buffer
⑦ Rear axle
⑧ Chain cover

REASSEMBLING INFORMATION

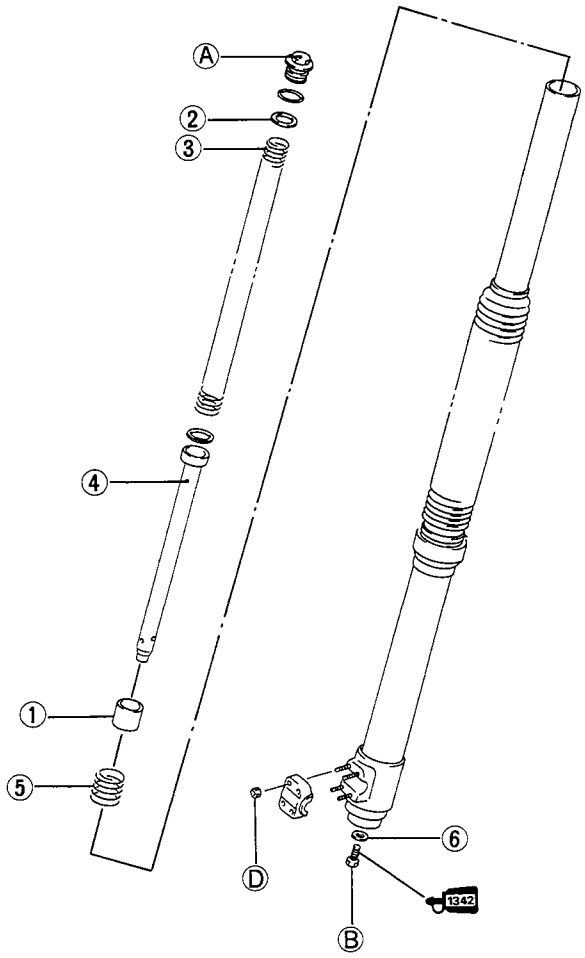


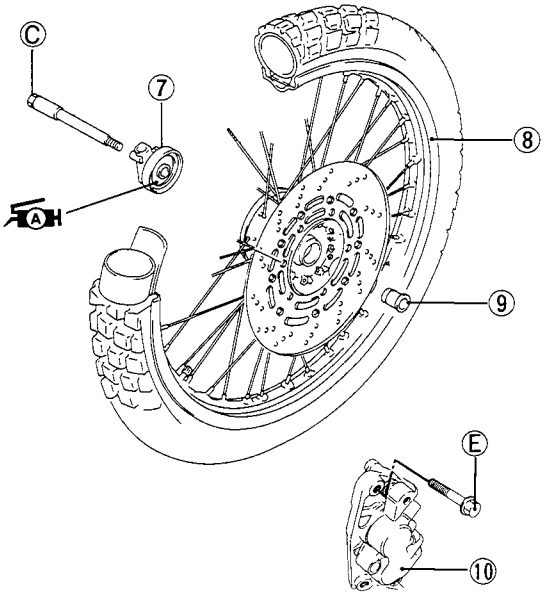
ITEM	N·m	kg-m	lb-ft
Ⓐ	55	5.5	40.0
Ⓑ	55	5.5	40.0
Ⓒ	100	10.0	72.5
Ⓓ	80	8.0	58.0
Ⓔ	100	10.0	72.5
Ⓕ	77	7.7	55.5

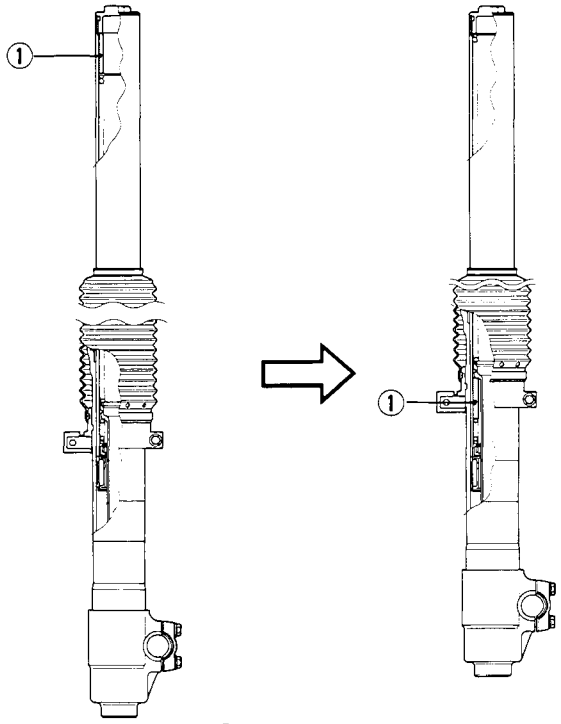
FRONT FORK

Suspension Tuning Info

Suspension Setup Database







Standard spacer ① position

Changed spacer ① position

① Spacer
② Washer
③ Spring
④ Damper
⑤ Spring
⑥ Gasket
⑦ Speedometer gearbox
⑧ Front wheel
⑨ Spacer
⑩ Front brake caliper

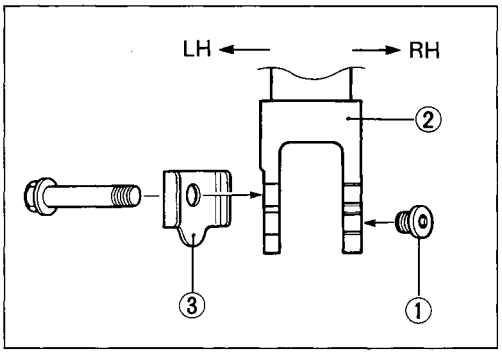
ITEM	N·m	kg-m	lb-ft
Ⓐ	23	2.3	16.5
Ⓑ	30	3.0	21.5
Ⓒ	65	6.5	47.0
Ⓓ	10	1.0	7.0
Ⓔ	26	2.6	19.0

- Tighten the plug ① (optional part) to the lower mounting part of shock absorber ② to the specified torque.

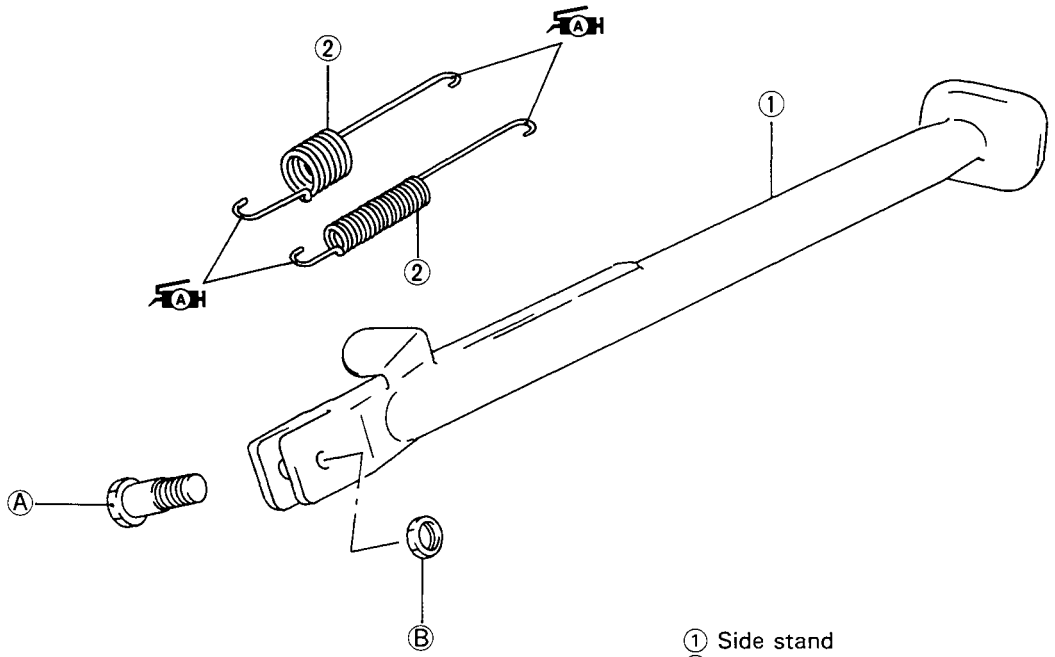
Plug: 30 N·m (3.0 kg-m, 21.5 lb-ft)

- Install the shock absorber lower plate ③ (optional part) as shown in the illustration.
- Install the rear shock absorber and tighten it to the specified torque.

Mounting bolt : 55 N·m (5.5 kg-m, 40.0 lb-ft) (Upper and lower)



SIDE STAND



① Side stand
② Inner spring
③ Outer spring

ITEM	N·m	kg-m	lb-ft
Ⓐ	50	5.0	36.0
Ⓑ	55	5.5	40.0