

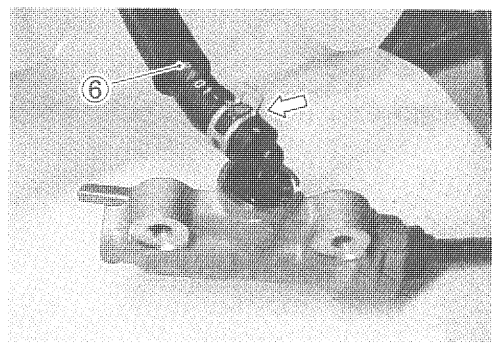
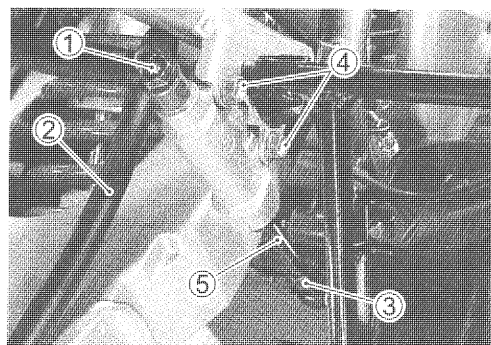
MASTER CYLINDER REMOVAL AND DISASSEMBLY

- Drain the brake fluid. (☞ 6-51)
- Place a rag underneath the brake hose union bolt on the master cylinder to catch any split brake fluid. Remove the brake hose union bolt ① and disconnect the brake hose ②.

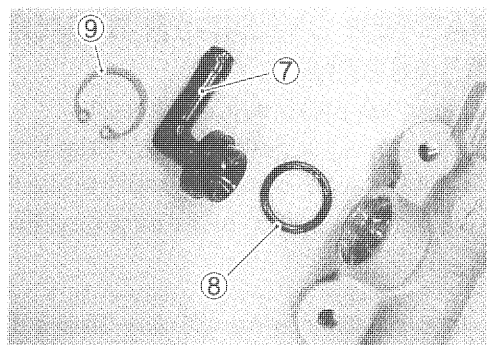
CAUTION

Immediately wipe off any brake fluid contacting any part of the vehicle. The brake fluid reacts chemically with paint, plastics, rubber materials, etc., and will damage them severely.

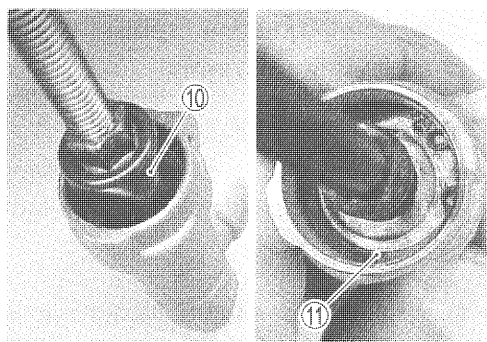
- Loosen the locknut ③.
- Remove the master cylinder mounting bolt ④.
- Remove the master cylinder by turning the master cylinder rod ⑤.
- Disconnect the reservoir tank hose ⑥.



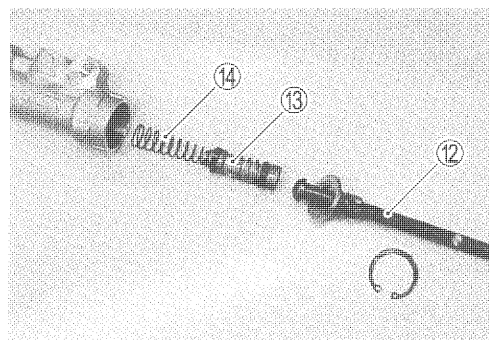
- Remove the connector ⑦ and O-ring ⑧ by removing the snap ring ⑨.



- Remove the dust boot ⑩.
- Remove the snap ring ⑪.



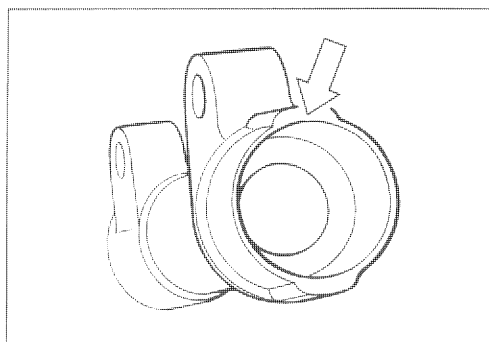
- Remove the push rod ⑫, piston/primary cup ⑬ and spring ⑭.



MASTER CYLINDER INSPECTION

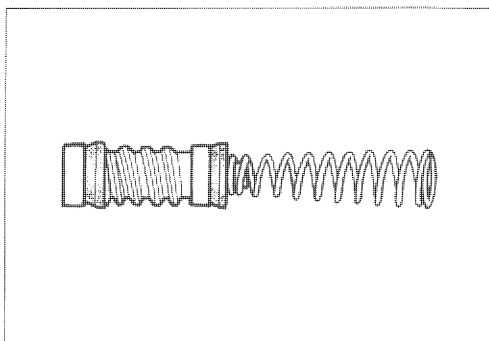
MASTER CYLINDER

Inspect the master cylinder bore for any scratches or damage. If any damages are found, replace the master cylinder with a new one.



PISTON AND RUBBER PARTS

Inspect the piston surface, primary cup, secondary cup and dust boot for any scratches, wear or damage. If any damages are found, replace them with a new one.



MASTER CYLINDER REASSEMBLY AND REMOUNTING

Reassemble and remount the master cylinder in the reverse order of removal and disassembly. Pay attention to the following point:

CAUTION

- * Wash the master cylinder components with new brake fluid before reassembly.
- * Do not wipe the brake fluid off with a rag after washing the components.
- * When washing the components, use the specified brake fluid. Never use different types of fluid or cleaning solvents such as gasoline, kerosene, etc.
- * Apply brake fluid to the master cylinder bore and all the component to be inserted to the bore.

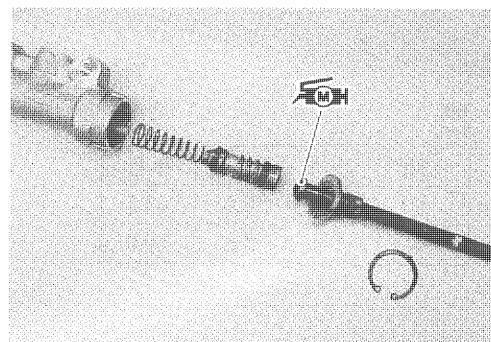
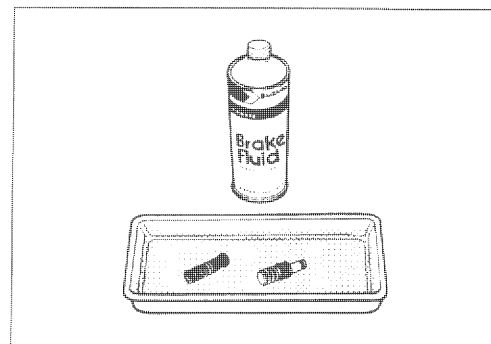


Specification and classification: DOT 4

- Apply SUZUKI MOLY PASTE to the master cylinder rod.



99000-25140: SUZUKI MOLY PASTE



- Tighten the master cylinder rod locknut ①, master cylinder mounting bolts ② and brake hose union bolt ③ to the specified torque.



Master cylinder rod locknut ①:

18 N·m (1.8 kgf-m, 13.0 lb-ft)

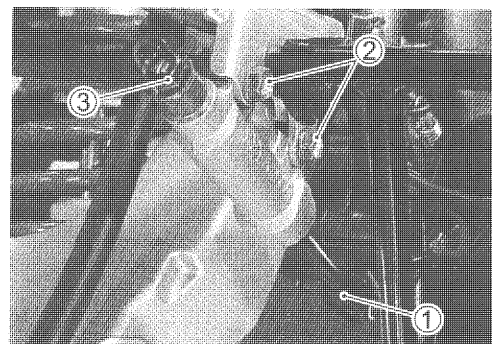
Master cylinder mounting bolt ②:

10 N·m (1.0 kgf-m, 7.0 lb-ft)

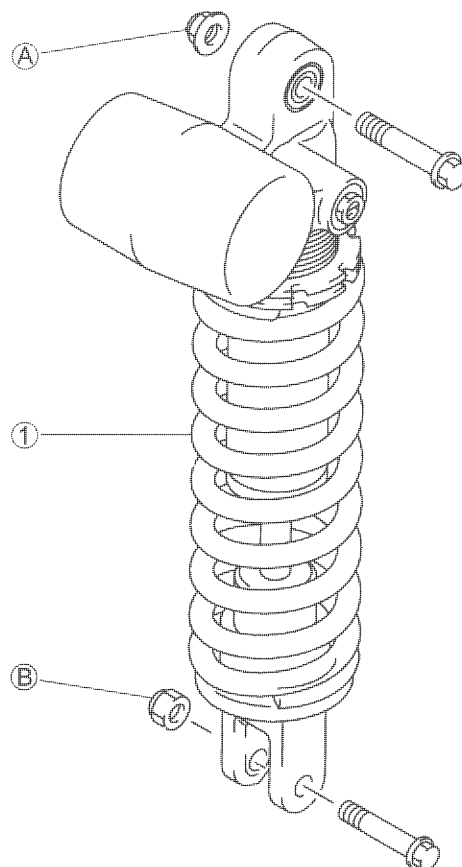
Brake hose union bolt ③: 23 N·m (2.3 kgf-m, 16.5 lb-ft)

CAUTION

- * The removed brake hose washers should be replaced with new ones.
- * Bleed air from the system after reassembling the brake master cylinder. (2-19)



REAR SHOCK ABSORBER CONSTRUCTION



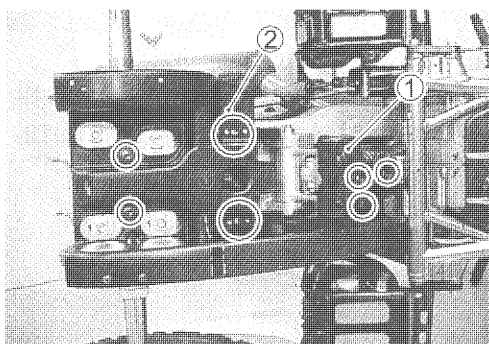
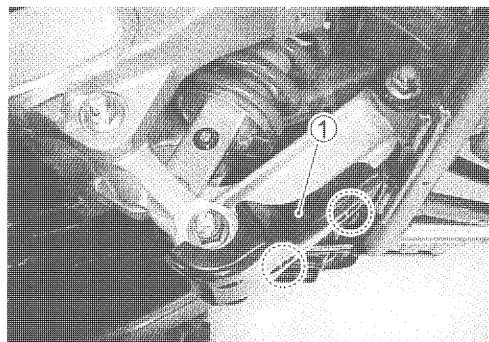
- ① Rear shock absorber
- A Rear shock absorber upper mounting nut
- B Rear shock absorber lower mounting nut



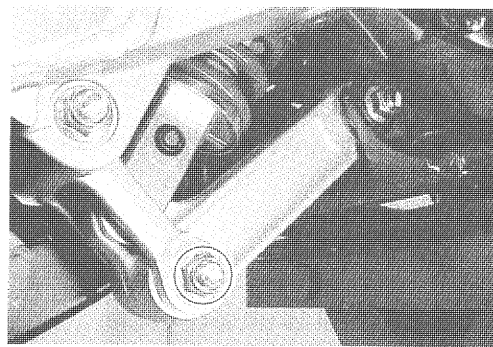
ITEM	N·m	kgf·m	lb·ft
A	60	6.0	43.5
B	55	5.5	40.0

REMOVAL

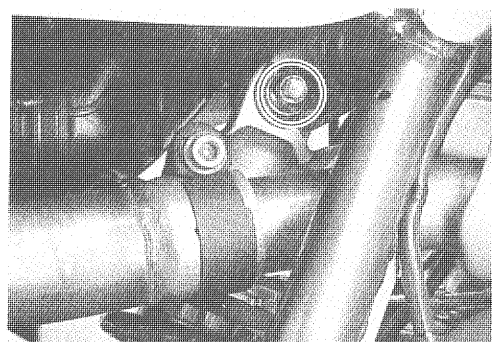
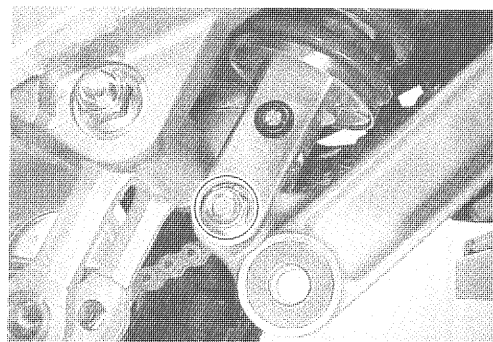
- Raise the rear wheel off the ground and support the vehicle with jack or wooden block.
- Remove the cushion lever cover ①.
- Remove the swingarm under cover ②.



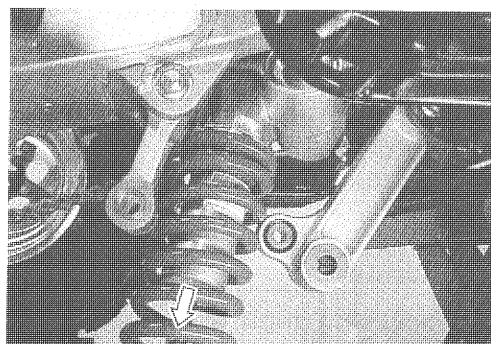
- Remove the cushion rod lower bolt/nut.



- Remove the rear shock absorber mounting bolts/nuts.



- Remove the rear shock absorber by lifting up the swingarm.



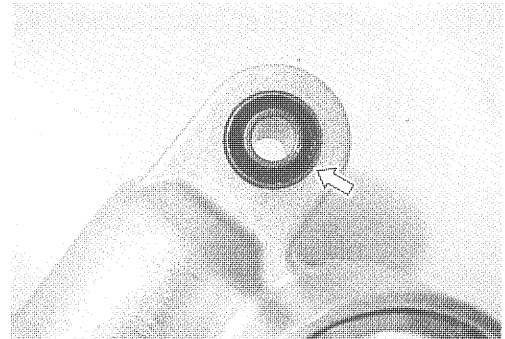
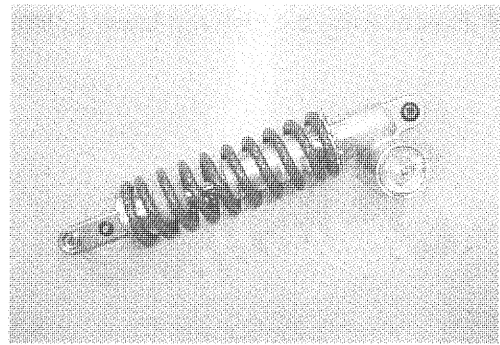
INSPECTION

Inspect the shock absorber body and rubber bushing for damage and leakage of oil.

If any defects are found, replace the shock absorber with a new one.

CAUTION

Do not attempt to disassemble the rear shock absorber. It is unserviceable.



REAR SHOCK ABSORBER DISPOSAL

⚠ WARNING

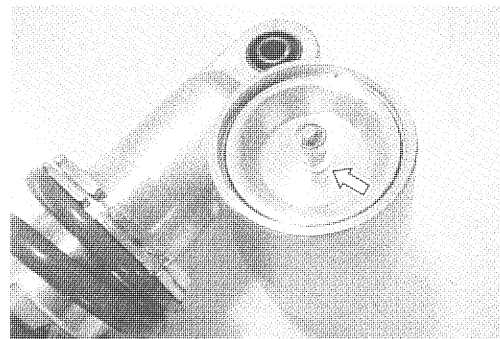
- * The rear shock absorber unit contains high-pressure nitrogen gas.
- * Mishandling can cause explosion.
- * Keep away from fire and heat. High gas pressure caused by heat can cause an explosion.
- * Release gas pressure before disposing.

GAS PRESSURE RELEASE

- Remove the valve cap.
- Press the valve with a screwdriver to bleed out the nitrogen gas.

⚠ WARNING

- * Releasing high pressure gas from the rear shock absorber unit can be hazardous. Never perform any servicing until the nitrogen gas pressure has been released from the rear shock absorber unit.
- * When releasing the gas pressure, place a rag over the gas valve and use the tip of a screwdriver to press the valve. Do not use your finger to depress the gas valve, and be sure to direct the valve away from your face and body.
- * Be sure to always wear eye protection when performing this procedure.

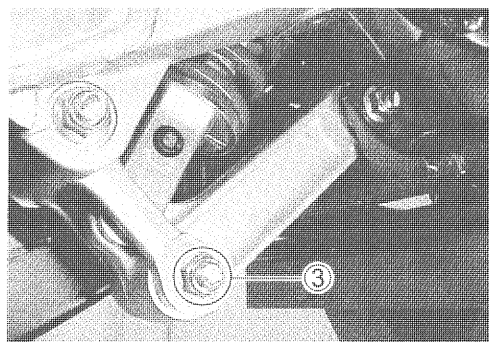
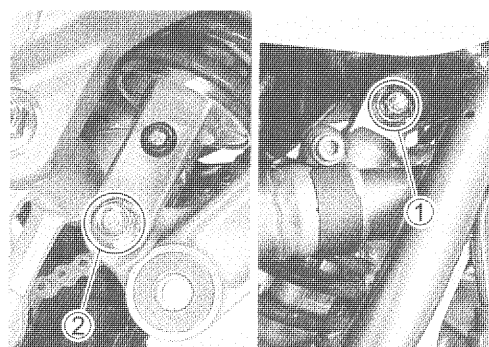


REMOUNTING

Remounting the rear shock absorber in the reverse order of removal. Pay attention to the following points:

- Tighten each bolt/nut to the specified torque.

-  **Rear shock absorber nut (Upper) ①:**
60 N·m (6.0 kgf-m, 43.5 lb-ft)
- Rear shock absorber nut (Lower) ②:**
55 N·m (5.5 kgf-m, 40.0 lb-ft)
- Rear cushion rod nut ③: 78 N·m (7.8 kgf-m, 56.5 lb-ft)**



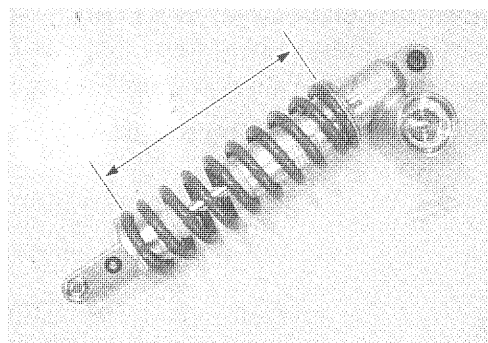
SUSPENSION SETTING

SPRING PRE-LOAD ADJUSTMENT

The rear suspension spring pre-load is adjustable. This adjustment is performed by changing spring set length.

SPRING SET LENGTH

STANDARD	MAXIMUM (SOFTTEST)	MINIMUM (STIFFEST)
233 mm (9.17 in)	238 mm (9.37 in)	228.5 mm (9.00 in)



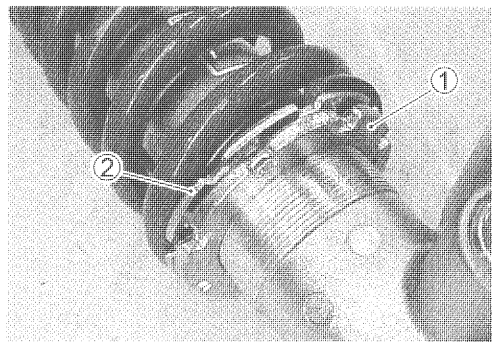
CAUTION

Do not set the spring length out of the specified range.

- Remove the rear shock absorber. (☞ 6-62)
- Loosen the locknut ①.
- Adjust the spring set length by turning the adjuster ②.
- Tighten the locknut ① to the specified torque.

-  **Rear shock absorber locknut:**
88 N·m (8.8 kgf-m, 63.5 lb-ft)

- Remount the rear shock absorber. (☞ above)



DAMPING FORCE ADJUSTMENT

The rebound and compression damping force are adjustable for rider's preference, rider's weight and field condition.

NOTE:

Do not turn the adjuster screws more than given position, or the adjuster may be damaged.

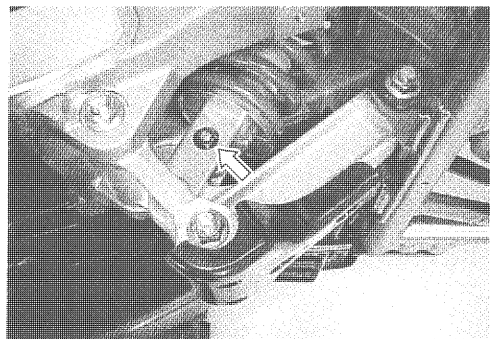
REBOUND DAMPING FORCE ADJUSTMENT

Fully turn the damping force adjuster clockwise. It is at stiffest position and turn it out to standard position.

DATA Standard setting position: 16 clicks out

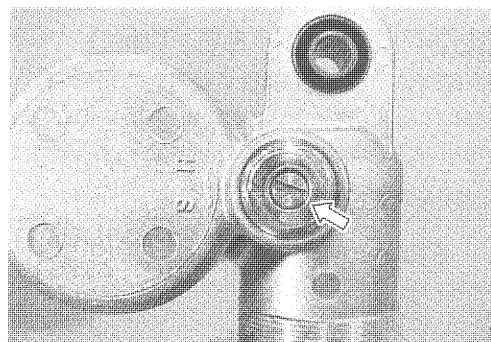
NOTE:

Make sure to check the 1st click position by last sound when turning in the adjuster.

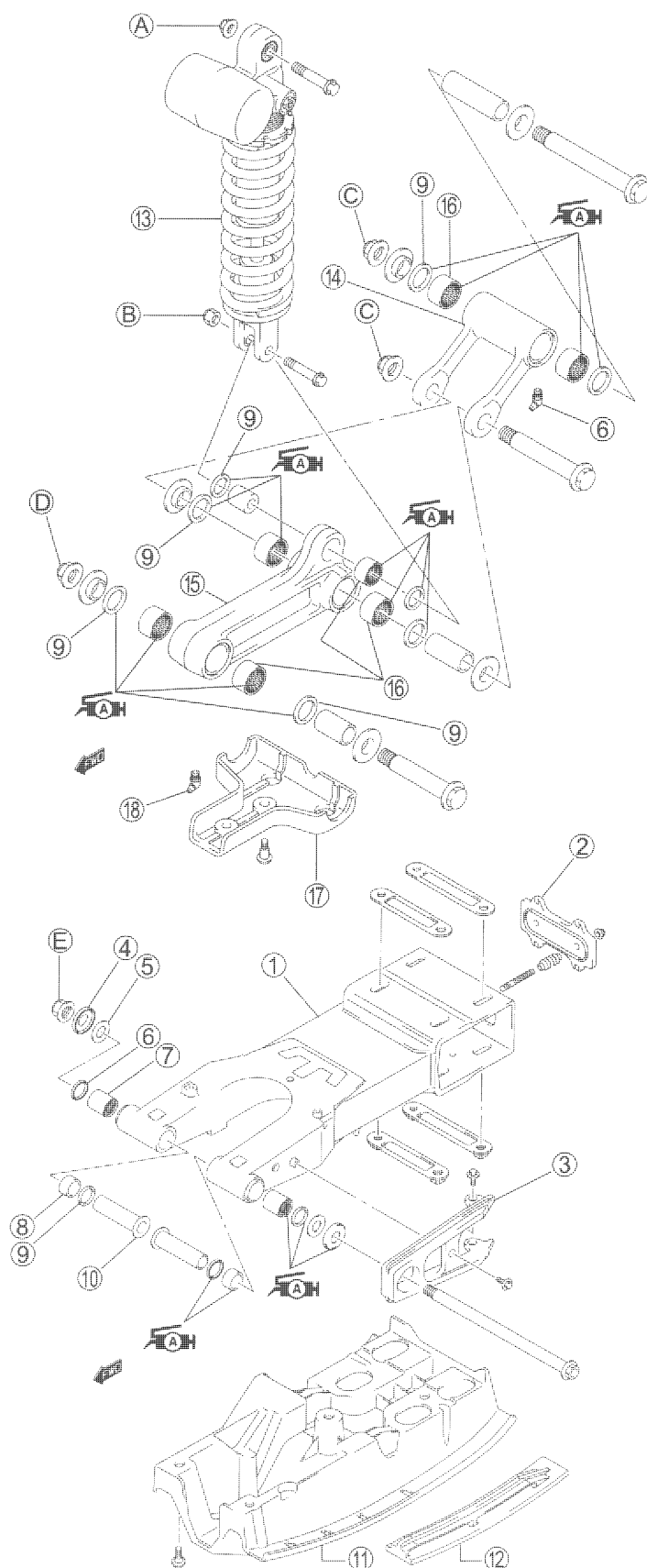
**COMPRESSION DAMPING FORCE ADJUSTMENT**

Fully turn the damping force adjuster clockwise. It is at stiffest position and turn it out to standard position.

DATA Standard setting position: 2 turns out



REAR SUSPENSION CONSTRUCTION



- ① Swingarm
- ② Chain adjuster plate
- ③ Chain buffer
- ④ Dust cover
- ⑤ Washer
- ⑥ Dust seal
- ⑦ Bearing
- ⑧ Bushing
- ⑨ Dust seal
- ⑩ Collar
- ⑪ Swingarm under cover
- ⑫ Chain buffer
- ⑬ Rear shock absorber
- ⑭ Cushion rod
- ⑮ Cushion lever
- ⑯ Bearing
- ⑰ Cushion lever cover
- ⑱ Grease nipple

- A Rear shock absorber upper mounting nut
- B Rear shock absorber lower mounting nut
- C Cushion rod nut
- D Cushion lever nut
- E Rear swingarm pivot nut

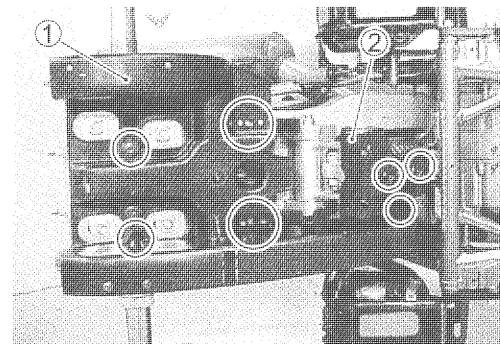


ITEM	N-m	kgf-m	lb-ft
A	60	6.0	43.5
B	55	5.5	40.0
C	78	7.8	56.5
D	78	7.8	56.5
E	84	8.4	61.0

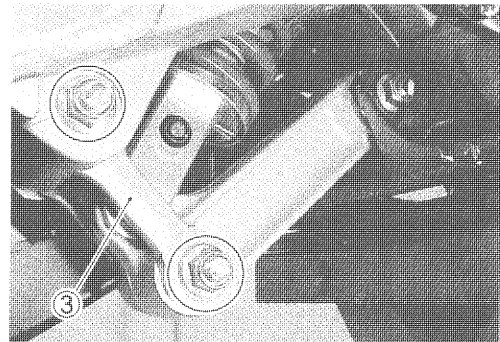
REMOVAL

CUSHION LEVER AND CUSHION ROD

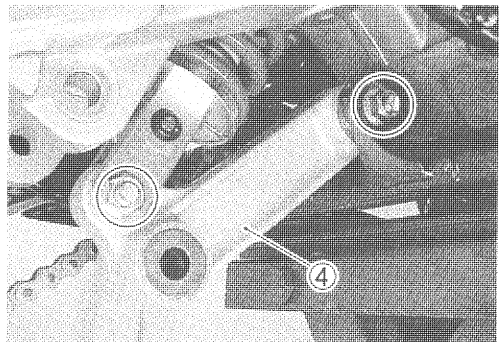
- Place the vehicle on the level ground and support the vehicle with a jack or wooden block.
- Remove the swingarm under cover ①.
- Remove the cushion lever cover ②.



- Remove the cushion rod ③.



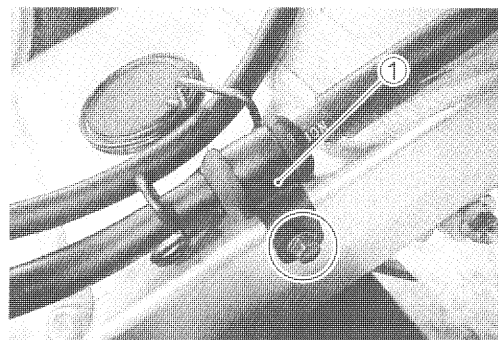
- Remove the cushion lever ④.



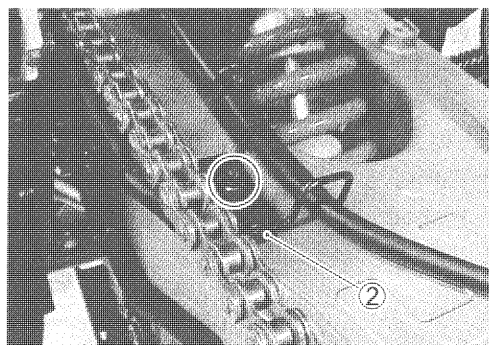
REAR SWINGARM

- Remove the cushion rod and cushion lever. (☞ above)
- Remove the rear shock absorber. (☞ 6-62)
- Remove the rear wheels. (☞ 6-10)
- Remove the rear axle and axle housing. (☞ 6-80)

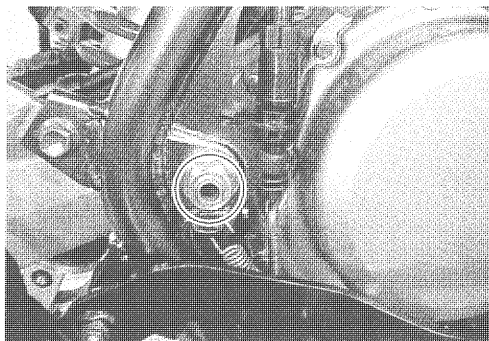
- Remove the brake hose guide ①.



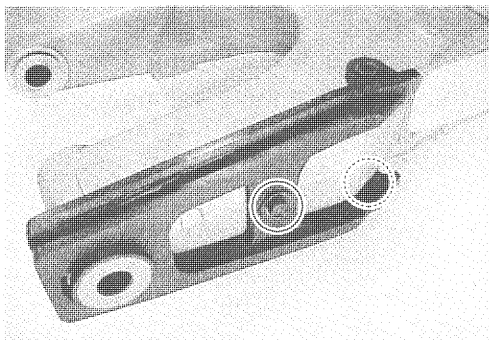
- Remove the parking cable guide ②.



- Loosen the swingarm pivot nut and remove the swingarm pivot shaft.
- Remove the swingarm assembly.



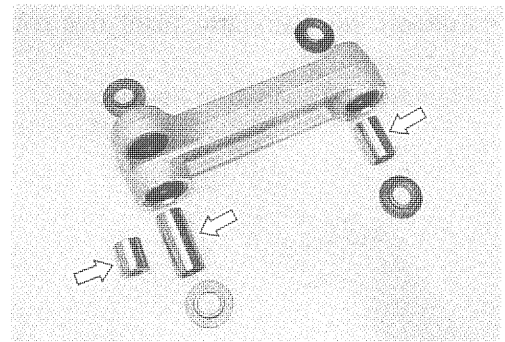
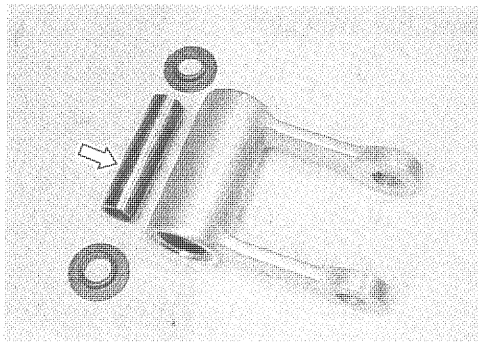
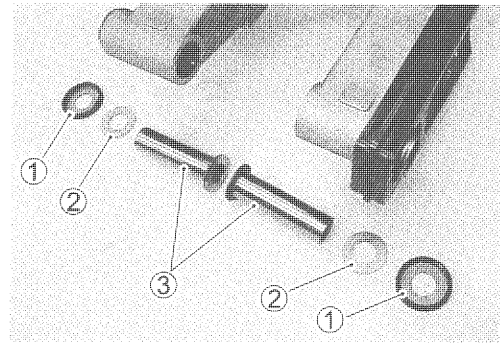
- Remove the chain buffer ③.



INSPECTION AND DISASSEMBLY

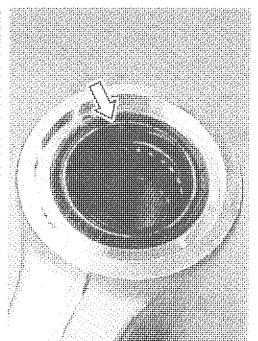
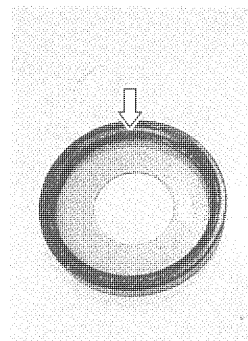
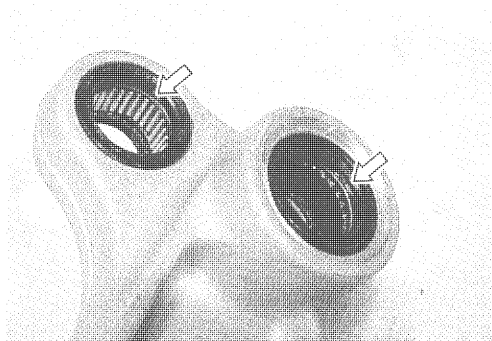
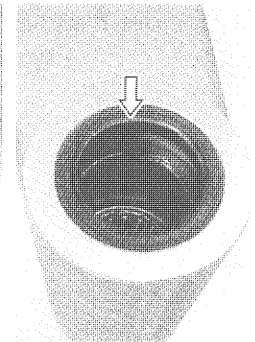
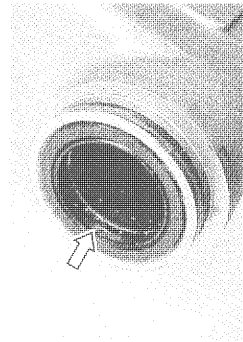
SPACER

- Remove the dust covers ①, washers ② and spacers ③ from the swingarm.
- Remove the spacers from the cushion lever and cushion rod.
- Inspect the spacers for any flaws or other damage. If any defects are found, replace the spacers with new ones.



DUST SEAL

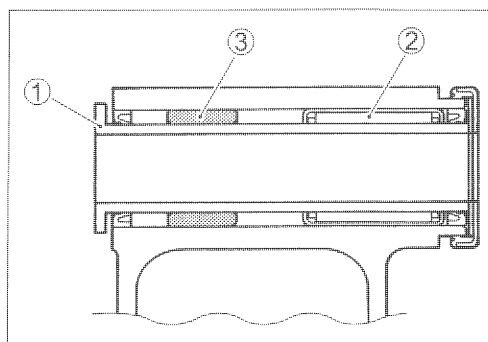
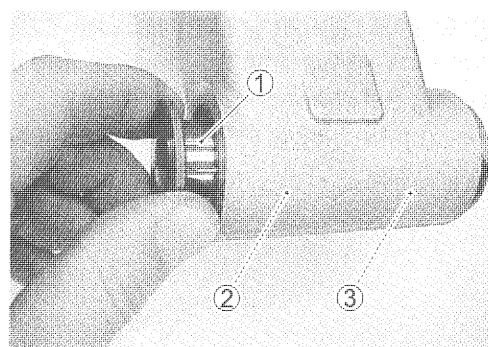
- Inspect the dust seals for wear or damage. If any defect are found, replace them with new ones.



SWINGARM BEARING AND BUSHING

Insert the spacer ① into the bearing ②, bushing ③ and then check the play when moving the spacer up and down.

If excessive play is noted, replace the bearing and bushing with a new one.

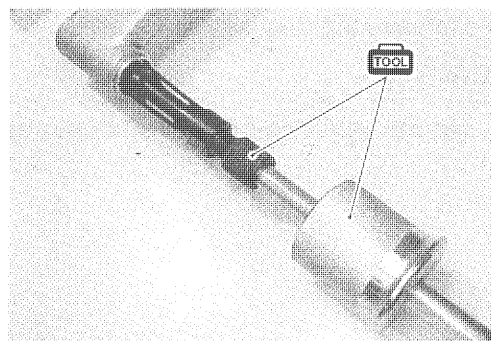


- Remove the dust seals.
- Remove the pivot bearings with special tools.

TOOL 09923-74511: Bearing remover
09930-30104: Sliding shaft

CAUTION

The removed bearings must be replaced with new ones.

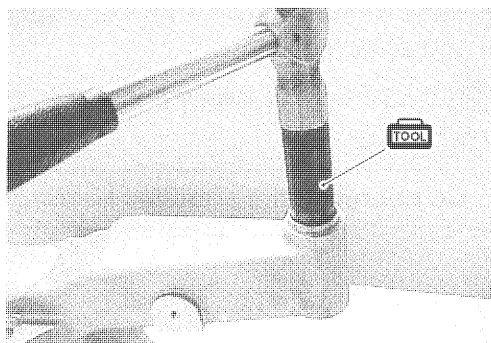


- Remove the pivot bushing with special tool.

TOOL 09913-70210: Bearing installer set

CAUTION

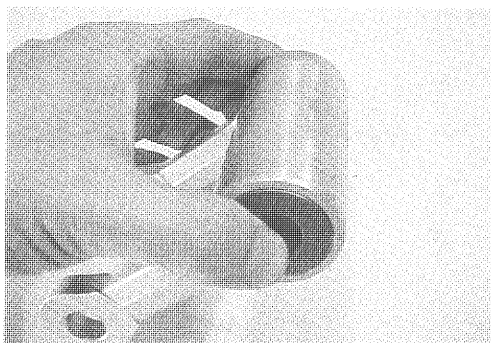
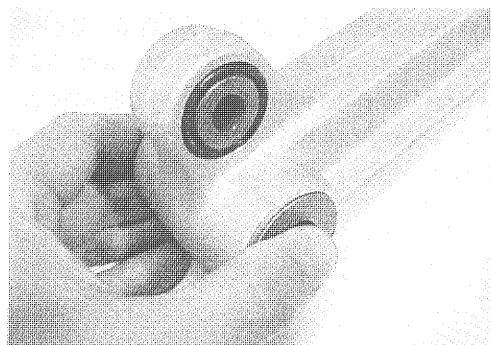
The removed bushings must be replaced with new ones.



CUSHION LEVER BEARING AND CUSHION ROD BEARING

Insert the spacer into the bearing, and then check the play when moving the spacer up and down.

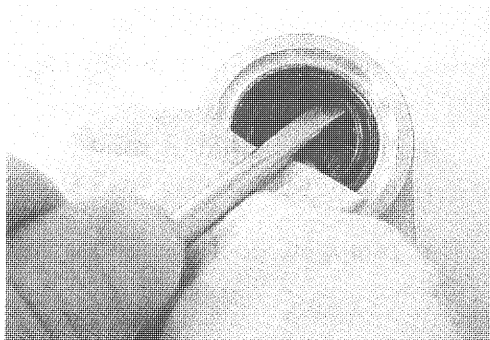
If excessive play is noted, replace the bearing with a new one.



- Remove the dust seals.

CAUTION

Do not reuse the removed dust seals.

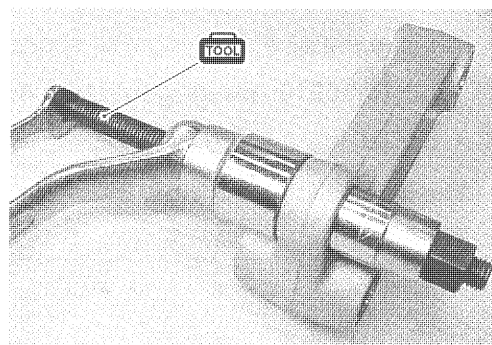


- Remove the cushion lever bearings by using the special tool and suitable tool.

 **09924-84510: Bearing installer set**

CAUTION

Do not reuse the removed bearings.

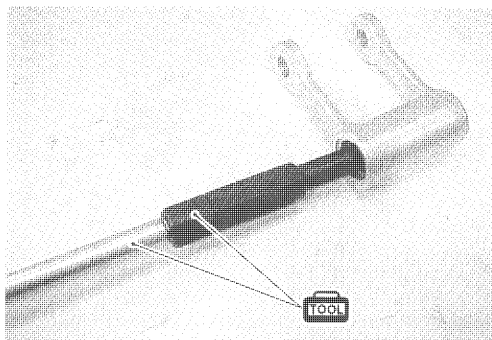


- Remove the cushion rod bearings with the special tool.

 **09923-73210: Bearing puller**
09930-30104: Sliding shaft

CAUTION

Do not reuse the removed bearings.



SWINGARM PIVOT SHAFT

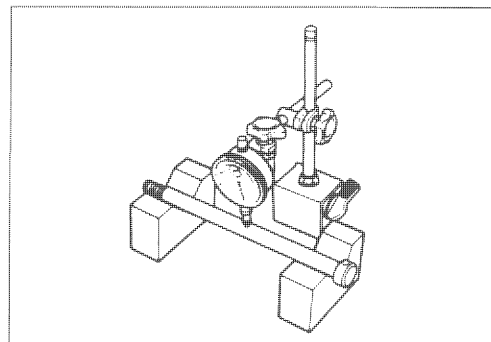
Using a dial gauge, check the pivot shaft runout. If the runout exceeds service limit, replace the pivot shaft with a new one.

 **09900-20607: Dial gauge (1/100 mm, 10 mm)**

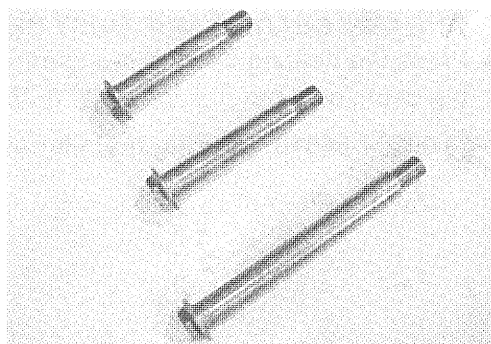
09900-20701: Magnetic stand

09900-21304: V-block (100 mm)

 **Swingarm pivot shaft runout:**
Service Limit: 0.3 mm (0.01 in)

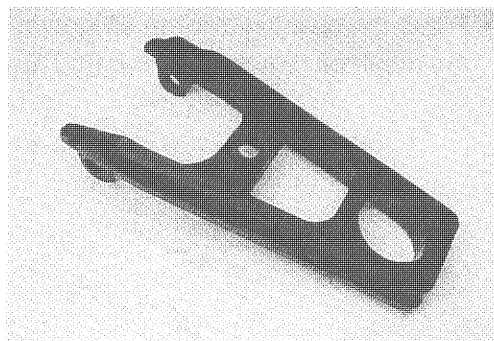
**CUSHION LEVER AND ROD BOLT**

Inspect the cushion lever and rod bolts for damage or bend. If any defect are noted, replace them with new ones.

**CHAIN BUFFER**

Inspect the chain buffer for wear and damage.

If any defects are found, replace the chain buffer with a new one.



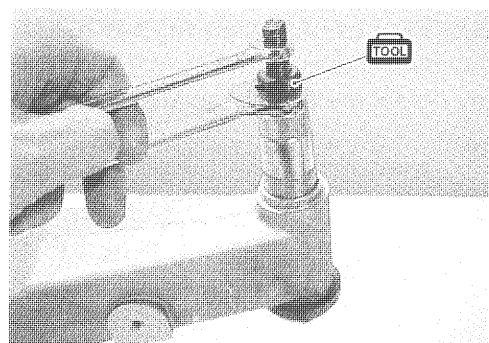
REASSEMBLY

Reassemble the cushion lever, cushion rod and swingarm in the reverse order of disassembly and removal. Pay attention to the following points:

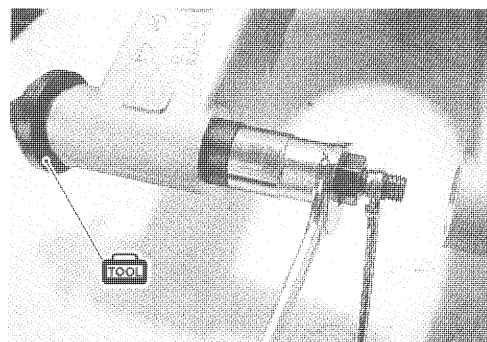
SWINGARM BEARING AND DUST SEAL

- Press the bearing into the swingarm pivot with special tool to the depth of 5 mm (0.2 in). (☞ 6-75)

 **09924-84510: Bearing installer set**

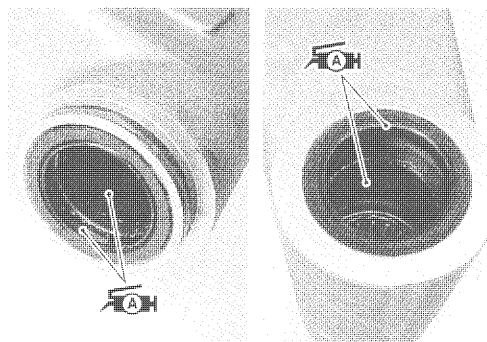


- Press the bushing into the swingarm pivot with special tool to the depth of 12 mm (0.47 in). (☞ 6-75)



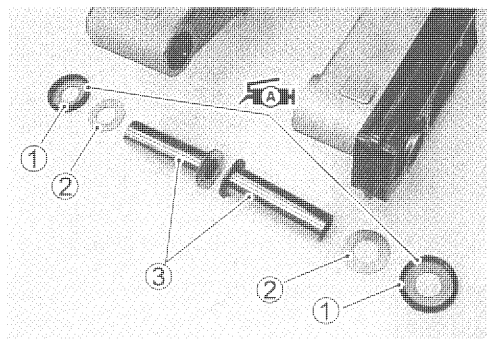
- Install the dust seals into the swingarm pivot with the stamped mark showed up.
- Apply SUZUKI SUPER GREASE "A" to the bearings, bushings and lips of dust seal.

 **99000-25030: SUZUKI SUPER GREASE "A" (USA)**
99000-25010: SUZUKI SUPER GREASE "A" (Others)

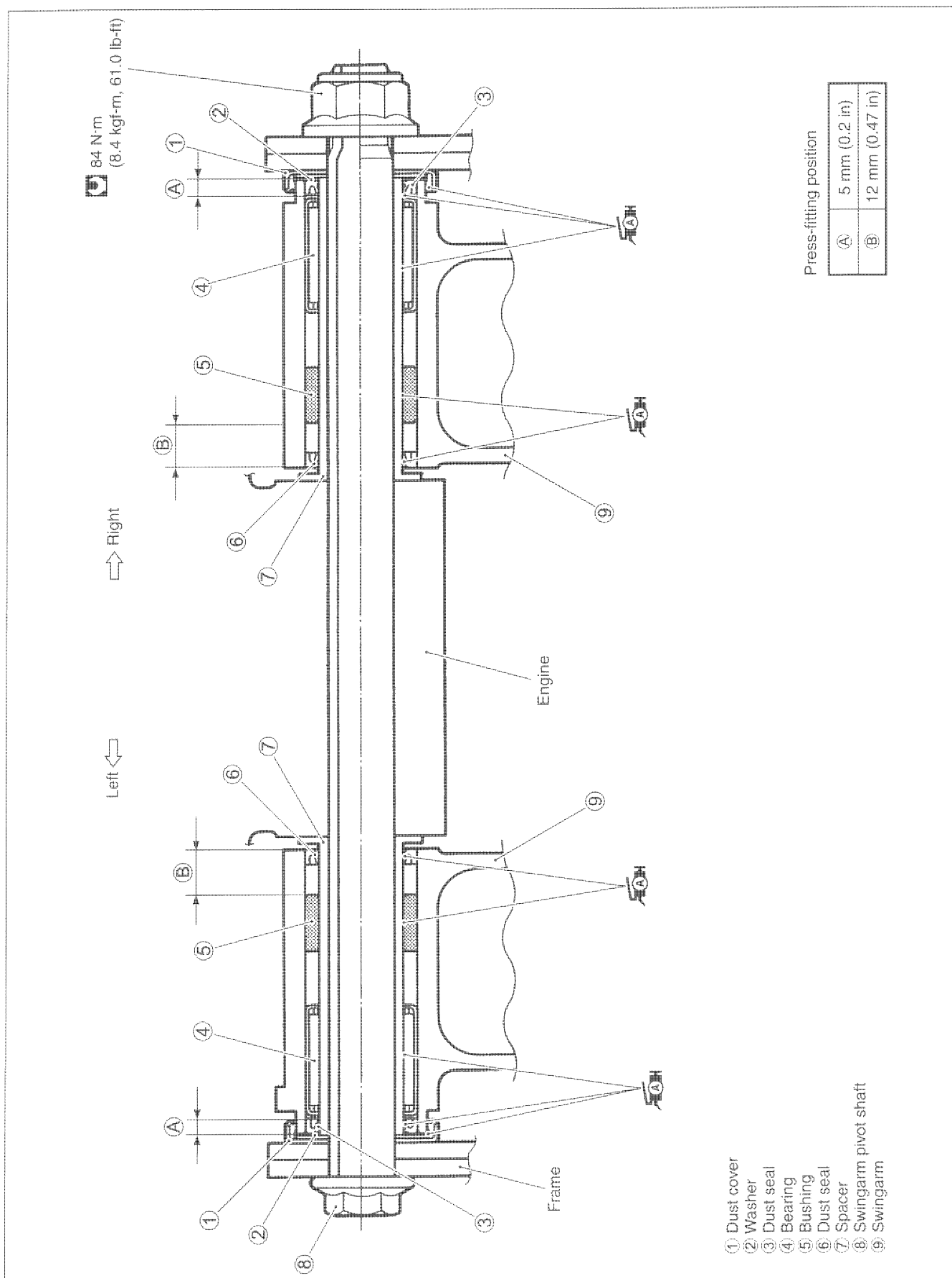


- Apply SUZUKI SUPER GREASE "A" to lip of the dust covers ①.
- Install the dust covers ①, washers ② and spacers ③ to the swingarm.

 **99000-25030: SUZUKI SUPER GREASE "A" (USA)**
99000-25010: SUZUKI SUPER GREASE "A" (Others)



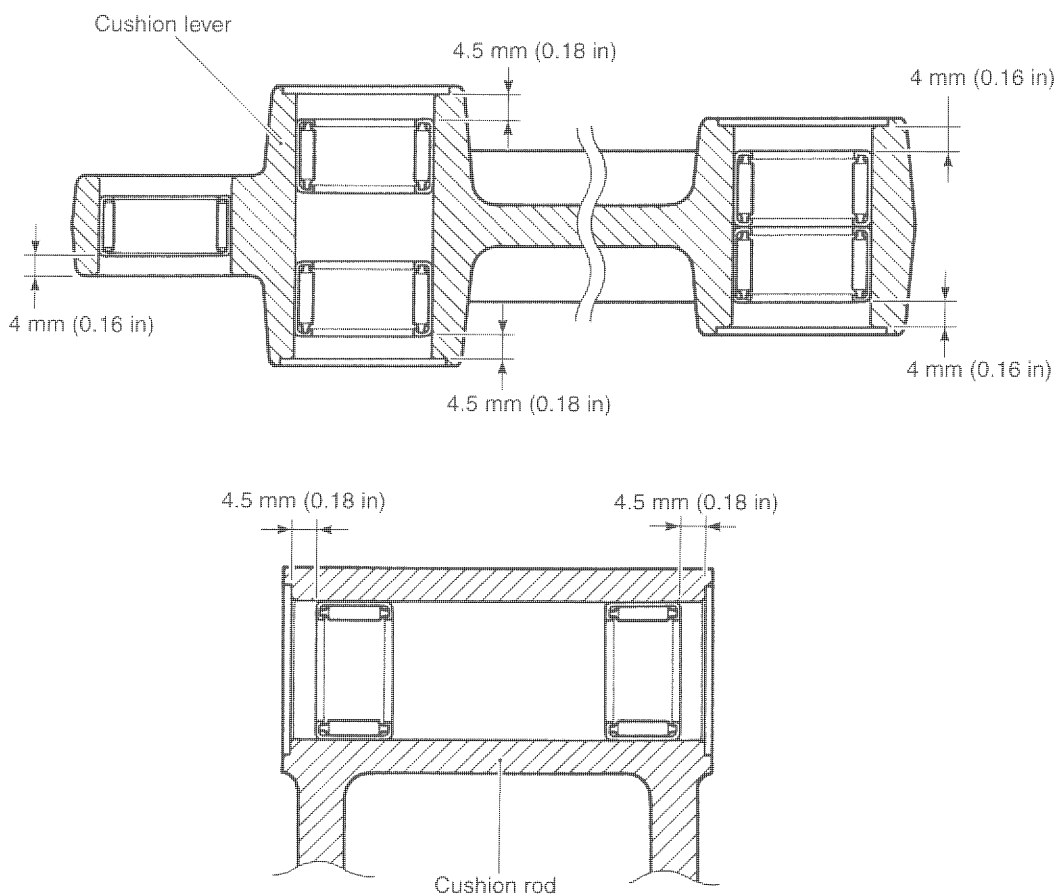
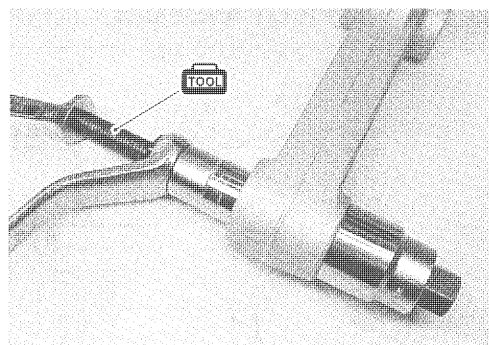
SWINGARM PIVOT ASSEMBLY INFORMATION



CUSHION ROD/LEVER BEARING AND DUST SEAL

- Install the bearings into the cushion rod/lever with the special tool to the specified depth shown in the illustration below.

 **09924-84510: Bearing installer set**

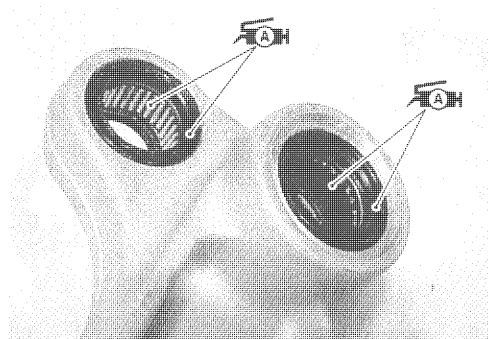


- Install the dust seals into the cushion rod/lever.
- Apply SUZUKI SUPER GREASE "A" to the bearings and lips of dust seal.

 **99000-25030: SUZUKI SUPER GREASE "A" (USA)**
99000-25010: SUZUKI SUPER GREASE "A" (Others)

NOTE:

- * The stamped mark of dust seal must face outside.
- * Refer to 6-78 for the grease nipple installation.



REMOUNTING

Remount the cushion lever, cushion rod and swingarm in reverse order of removal. Pay attention to the following points:

- Install the swingarm and pivot shaft.
- Tighten the swingarm pivot nut to the specified torque.

 **Swingarm pivot nut: 84 N·m (8.4 kgf-m, 61.0 lb-ft)**

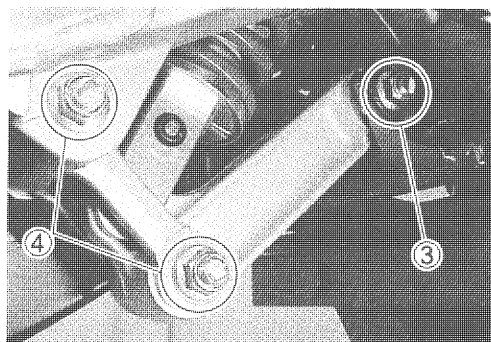
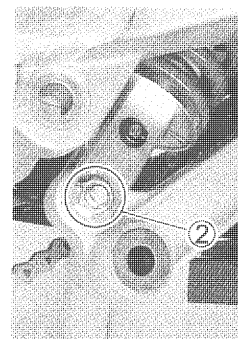
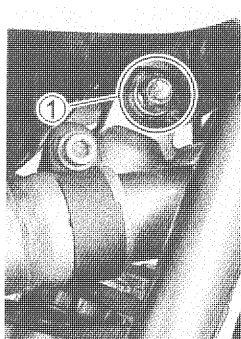
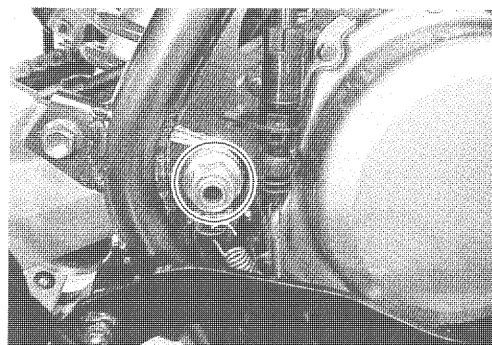
- Install the rear shock absorber and cushion lever.
- Tighten the rear shock absorber mounting nuts to the specified torque.

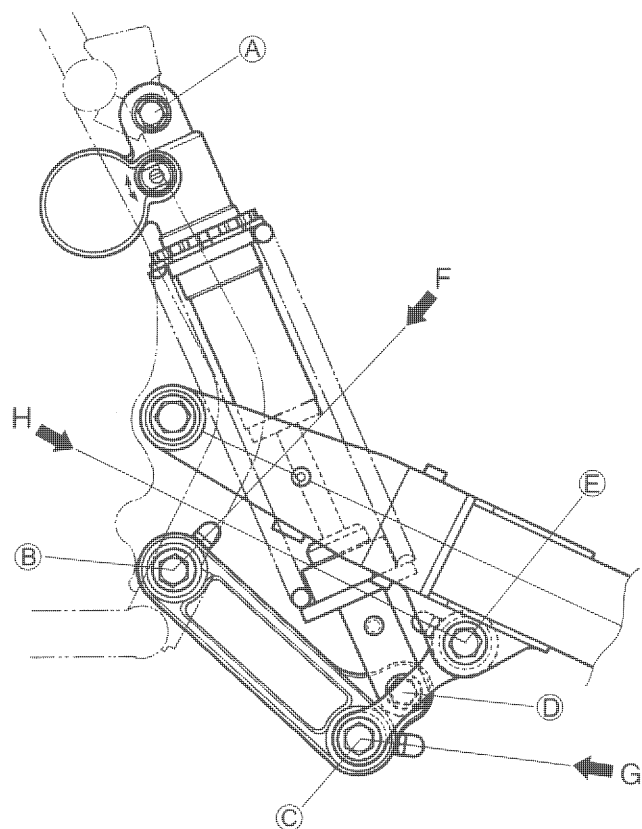
 **Rear shock absorber nut (Upper) ①:**
60 N·m (6.0 kgf-m, 43.5 lb-ft)

Rear shock absorber nut (Lower) ②:
55 N·m (5.5 kgf-m, 40.0 lb-ft)

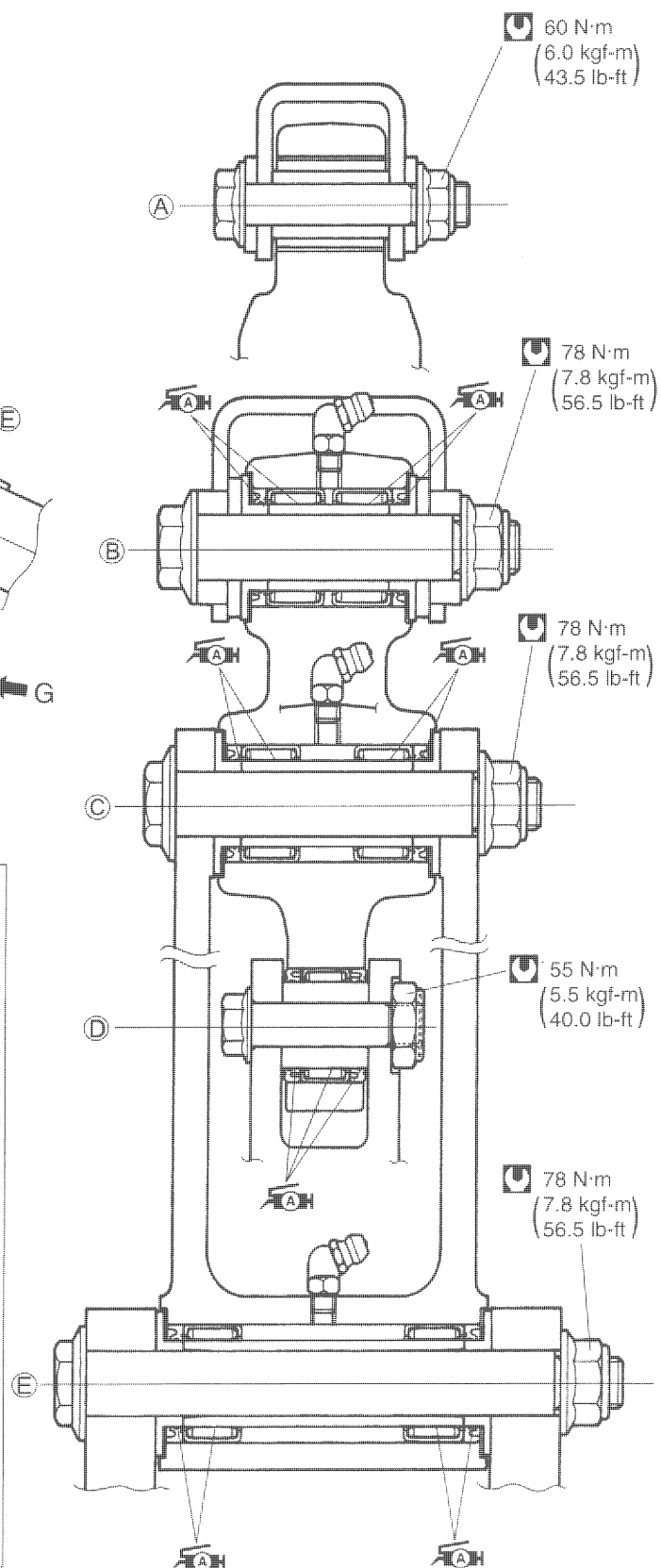
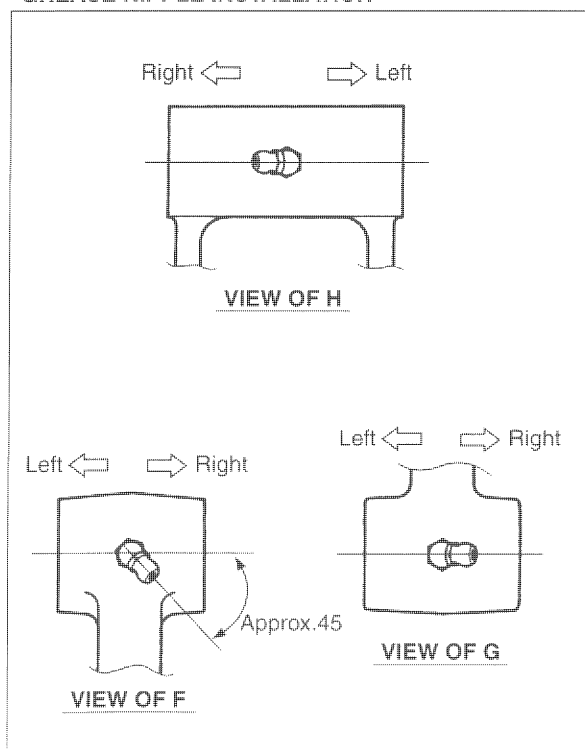
- Tighten the cushion rod nut and cushion lever nut to the specified torque.

 **Cushion lever nut ③: 78 N·m (7.8 kgf-m, 56.5 lb-ft)**
Cushion rod nut ④: 78 N·m (7.8 kgf-m, 56.5 lb-ft)

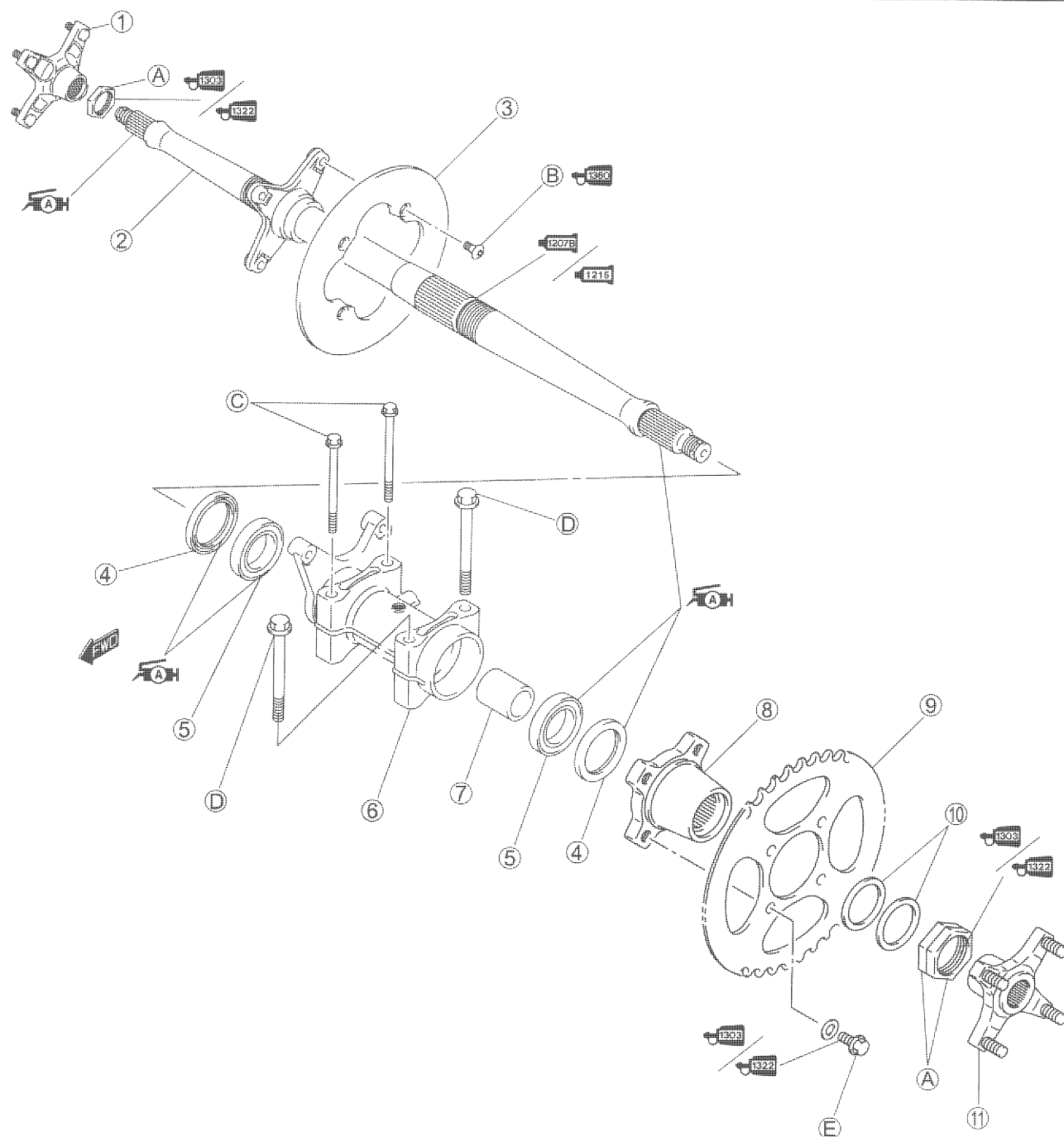




GREASE NIPPLE INSTALLATION



REAR AXLE CONSTRUCTION



- ① Rear wheel right hub
- ② Rear axle
- ③ Rear brake disc
- ④ Dust seal
- ⑤ Bearing
- ⑥ Rear axle housing
- ⑦ Spacer
- ⑧ Sprocket flange
- ⑨ Sprocket
- ⑩ Washer
- ⑪ Rear wheel left hub

- A Rear axle nut
- B Disc bolt
- C Rear axle housing bolt (M10)
- D Rear axle housing bolt (M12)
- E Sprocket mounting bolt



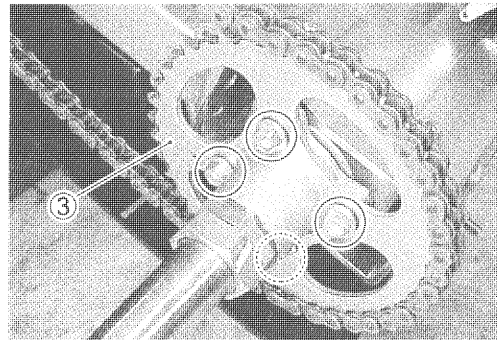
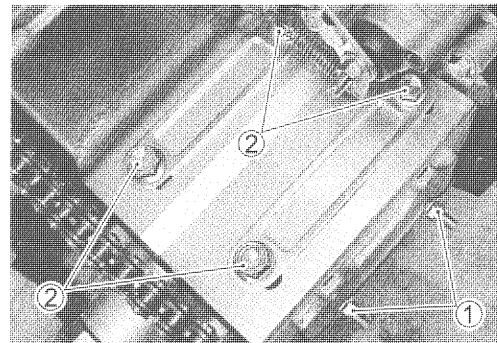
ITEM	N·m	kgf·m	lb·ft
A	180	18.0	130.0
B	23	2.3	16.5
C	73	7.3	53.0
D	100	10.0	72.5
E	54	5.4	39.0

REMOVAL

- Place the vehicle on the level ground and support the vehicle with a jack or wooden block.

SPROCKET

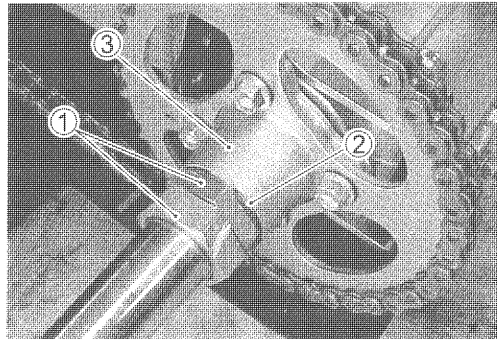
- Remove the left rear wheel. (☞ 6-10)
- Remove the left rear wheel hub. (☞ 6-11)
- Remove the rear caliper.
- Loosen the chain adjust nuts ① and the rear axle housing bolts ②.
- Loosen the sprocket mounting bolts, and remove the sprocket ③.



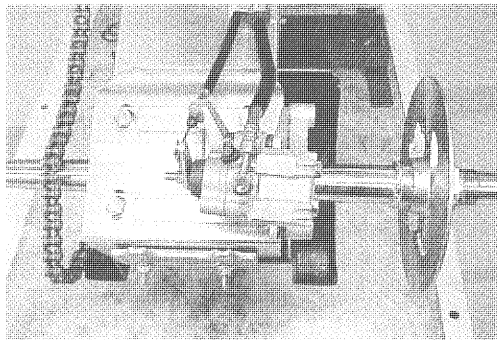
REAR AXLE SHAFT

- Remove the rear wheels. (☞ 6-10)
- Remove the rear wheel hubs. (☞ 6-11)
- Loosen the axle nuts ① with the special tool by applying the rear brake.
- Remove the axle nuts and concave washers ②.
- Remove the sprocket flange ③.

 **09940-92450: Rear axle nut holder**



- Remove the caliper.
- Draw out the rear axle shaft to the right.

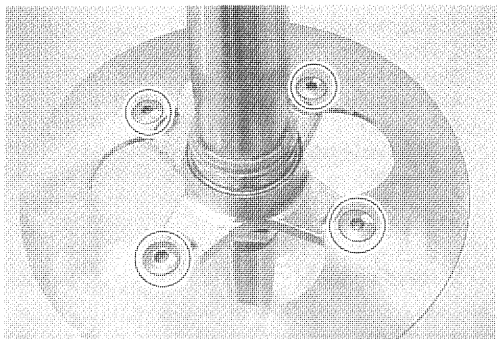


- Remove the brake disc.

CAUTION

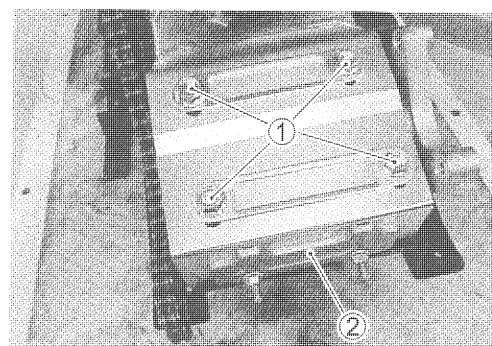
Do not attempt to remove the brake disc flange from the rear axle shaft.

The rear axle shaft is available only as an assembly.

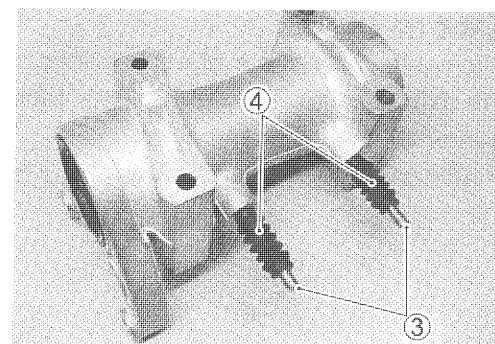


REAR AXLE HOUSING

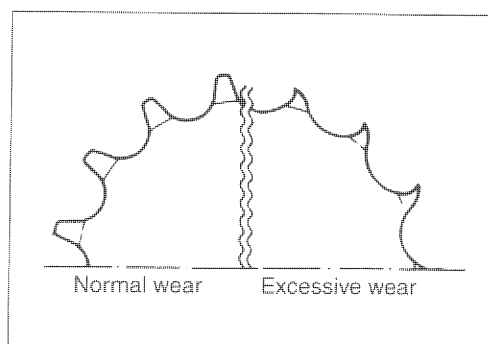
- Remove the axle housing bolts ①.
- Remove the chain adjuster plate ②.
- Remove the axle housing from the swingarm.



- Remove the chain adjuster stud bolts ③ and boots ④.

**INSPECTION AND DISASSEMBLY****SPROCKET**

Inspect the sprocket teeth for wear. If they are worn as shown, replace the engine sprocket, rear sprocket and drive chain as a set.

**REAR AXLE SHAFT**

Measure the rear axle shaft runout. If the runout exceeds the service limit, replace the rear axle shaft with a new one.

DATA Rear axle shaft runout

Service limit: 6 mm (0.24 in)

TOOL 09900-20607: Dial gauge (1/100 mm)

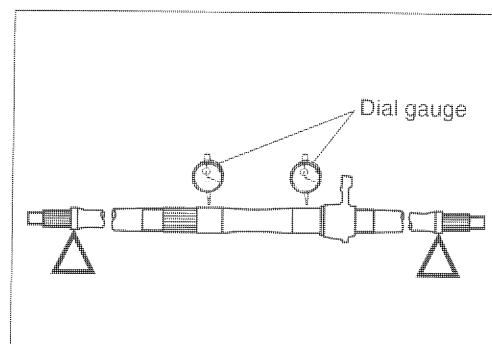
09900-20701: Magnetic stand

09900-21304: V-block set (100 mm)

NOTE:

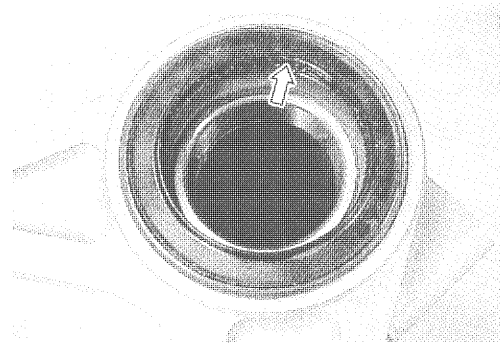
When measuring the runout, support the rear axle shaft at 32 mm (1.26 in) diameter of the rear axle shaft as shown in illustration.

Measure the runout at 40 mm (1.57 in) diameter of the rear axle shaft as shown in illustration.



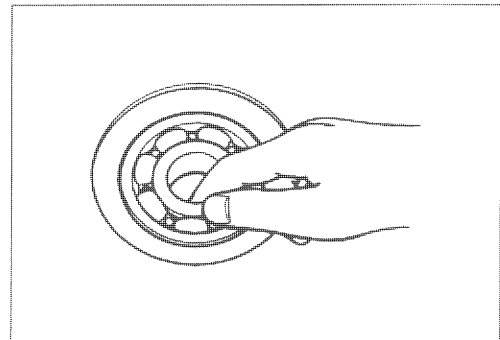
DUST SEAL

Inspect the dust seals for wear or damage. If any defect are found, replace the dust seal with a new one.

**AXLE BEARINGS**

Inspect the play of the wheel bearings by finger while they are in the axle housing. Rotate the inner race by finger to inspect for abnormal noise and smooth rotation.

Replace the bearing with a new one, if there is anything unusual.

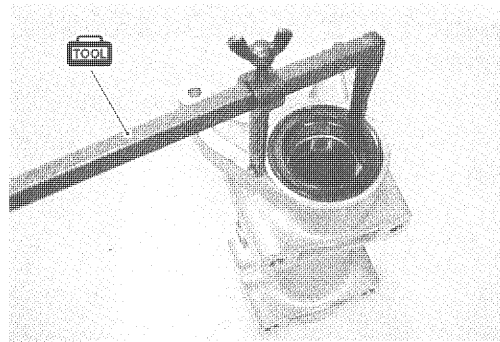


- Remove the dust seals with the special tool.

 09913-50121: Oil seal remover

CAUTION

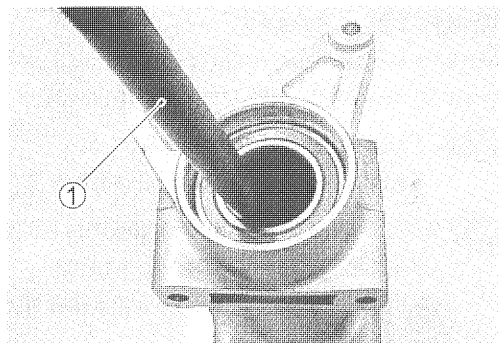
Do not reuse the removed dust seals.



- Remove the bearings with appropriate bar ① and remove the bearing spacer.

CAUTION

Do not reuse the removed bearings.



REASSEMBLY AND REMOUNTING

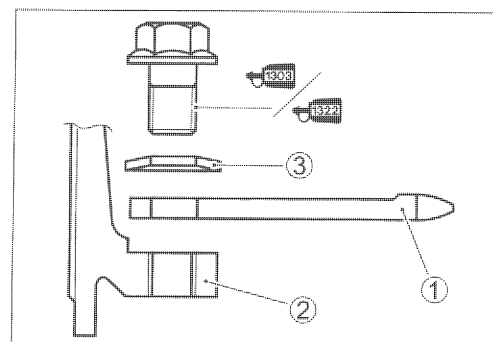
Reassemble the rear axle shaft and rear axle housing in the reverse order of removal and disassembly. Pay attention to the following points:

REAR SPROCKET

- Install the rear sprocket ① to the sprocket flange ②.
- Apply THREAD LOCK SUPER "1303" or "1322" to the sprocket mounting bolts.

 **1303** 99000-32030: THREAD LOCK SUPER "1303" (USA)

 **1322** 99000-32110: THREAD LOCK SUPER "1322" (Others)

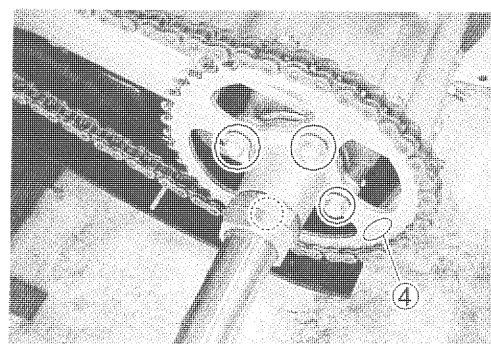


- Tighten the sprocket mounting bolts to the specified torque.

 **Sprocket mounting bolt: 54 N·m (5.4 kgf-m, 39.0 lb-ft)**

NOTE:

- * The concave side of washer ③ must face to the sprocket.
- * The stamped mark ④ must face to left of the vehicle.

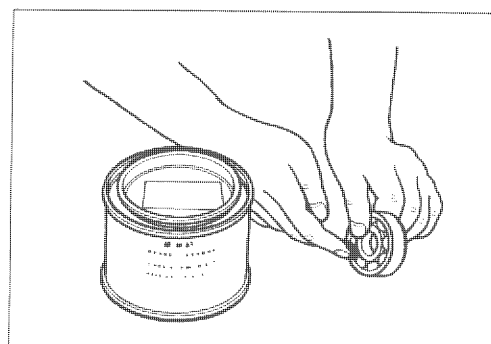


AXLE HOUSING

- Apply SUZUKI SUPER GREASE "A" to the bearings and dust seals before installing.

 **99000-25030: SUZUKI SUPER GREASE "A" (USA)**

99000-25010: SUZUKI SUPER GREASE "A" (Others)

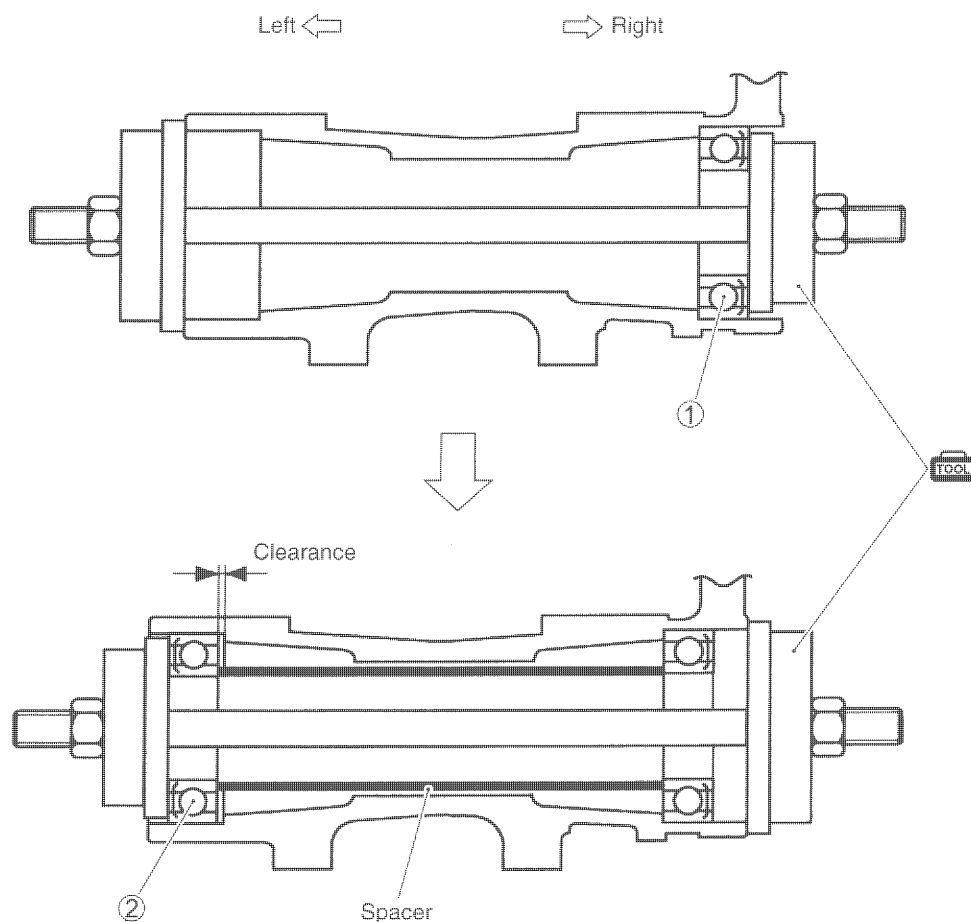


- Install the bearings to the axle housing with the special tool.

TOOL 09941-34513: Bearing installer set
 09913-70210: Bearing installer set

CAUTION

- * First install the right bearing ① to the bottom, and then install the spacer and left bearing ②.
- * The sealed cover of the bearing must face outside.

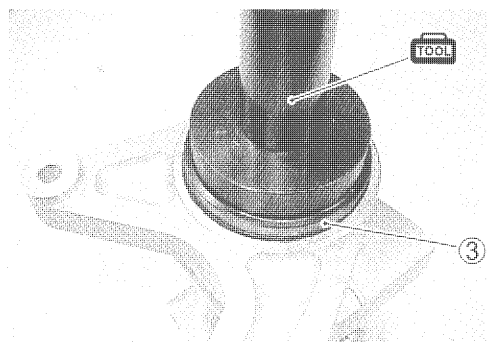


- Install the dust seals ③ with the special tool.

TOOL 09913-70210: Bearing installer set

NOTE:

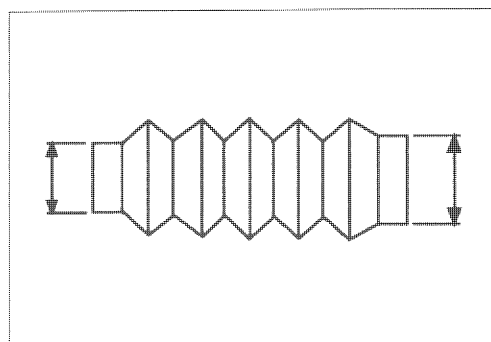
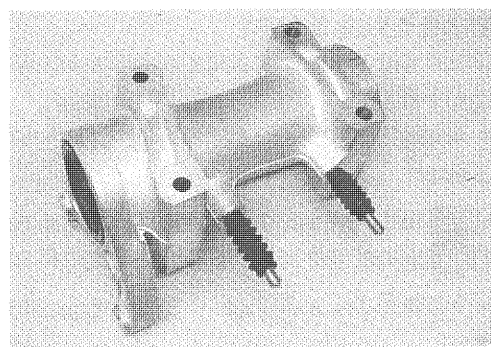
Make sure that the stamped mark on the dust seal faces to the bearing.



- Install the chain adjuster stud bolts and boots.

NOTE:

The smaller diameter portion of the boot must face to the axle housing.

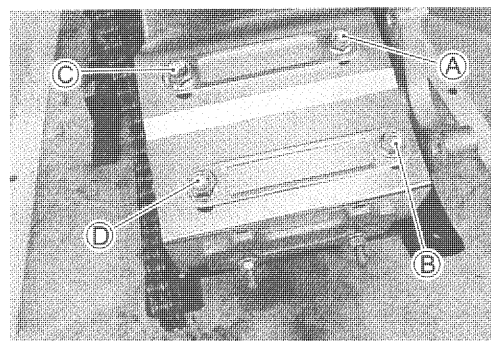


- Install the axle housing into the swingarm.
- Tighten the axle housing bolts temporarily.

NOTE:

The axle housing bolts are unequal in size. Refer to table below.

	Ⓐ	Ⓑ	Ⓒ	Ⓓ
Diameter (mm)	10	10	12	12
Length (mm)	118	110	122	112
Washer	—		with a washer	



REAR AXLE SHAFT

When the rear axle shaft is replaced with a new one, install the right axle nut onto the new axle shaft.

- Apply THREAD LOCK SUPER "1303" or "1322" to the axle shaft.

 **99000-32030: THREAD LOCK SUPER "1303" (USA)**

 **99000-32110: THREAD LOCK SUPER "1322" (Others)**

- Tighten the axle nut ① to the specified torque.

 **Rear axle nut (right) : 180 N·m (18.0 kgf-m, 130.0 lb-ft)**

 **09940-92450: Rear axle nut holder**

NOTE:

When tightening the axle nut with the special tool, the reading torque on the torque wrench is smaller than actual torque that is applied to the axle nut. Therefore convert the tightening torque.
( 6-88)

- Install the brake disc to the rear axle shaft.
- Apply THREAD LOCK SUPER "1360" to the disc bolts and tighten them to the specified torque.

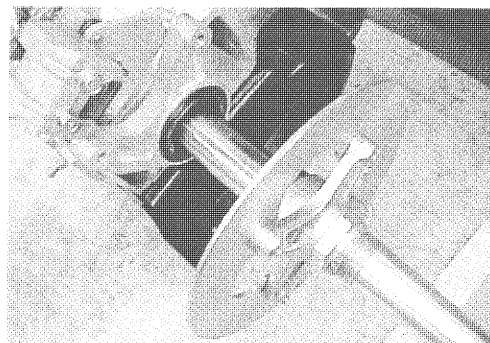
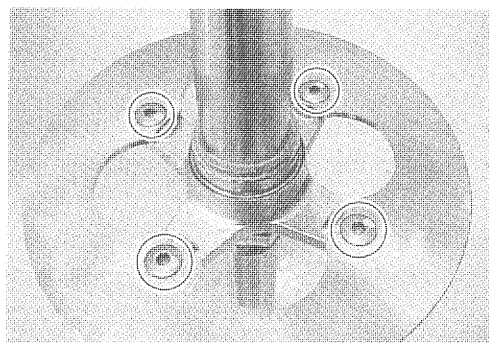
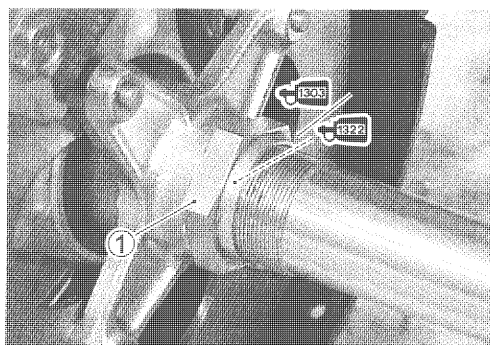
 **99000-32130: THREAD LOCK SUPER "1360"**

 **Disc bolt: 23 N·m (2.3 kgf-m, 16.5 lb-ft)**

NOTE:

Make sure that the brake disc is clean and free of any grease matter.

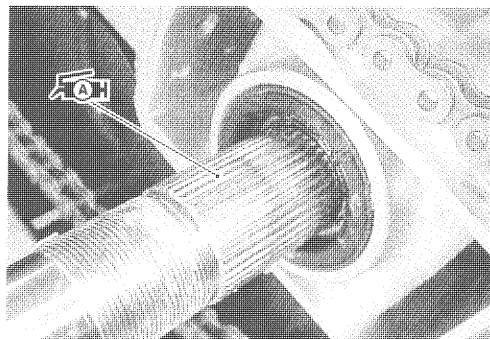
- Install the rear axle shaft into the axle shaft housing.



- Apply SUZUKI SUPER GREASE "A" to the spline of the axle shaft.

 **99000-25030: SUZUKI SUPER GREASE "A" (USA)**

99000-25010: SUZUKI SUPER GREASE "A" (Others)



- Install the sprocket flange ② to the axle shaft.
- Apply SUZUKI BOND "1207B" or "1215" to the axle shaft.

 **99104-31140: SUZUKI BOND "1207B" (USA)**

 **99000-31110: SUZUKI BOND "1215" (Others)**

- Apply THREAD LOCK SUPER "1303" or "1322" to the thread portion of the rear axle shaft.

 **99000-32030: THREAD LOCK SUPER "1303" (USA)**

 **99000-32110: THREAD LOCK SUPER "1322" (Others)**

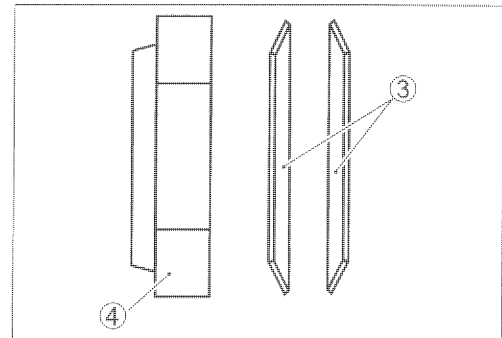
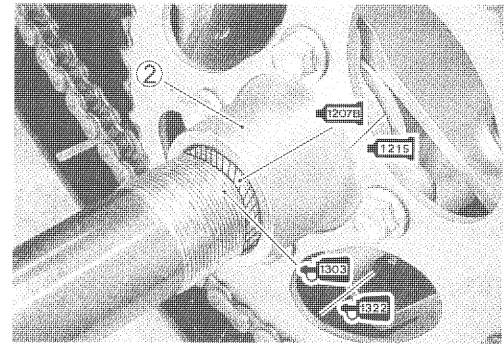
- Install the concave washers ③ and tighten the inner axle shaft nut inner ④ to the specified torque with the special tool.

 **Axle shaft nut (inner): 180 N·m (18.0 kgf-m, 130.0 lb-ft)**

 **09940-92450: Rear axle nut holder**

NOTE:

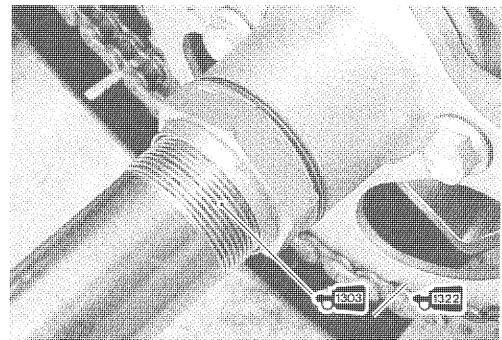
When tightening the axle nut with the special tool, the reading torque on the torque wrench is smaller than actual torque that is applied to the axle nut. Therefore convert the tightening torque.
( 6-88)



- Apply THREAD LOCK SUPER "1303" or "1322" to the thread portion of the rear axle shaft.

 **99000-32030: THREAD LOCK SUPER "1303" (USA)**

 **99000-32110: THREAD LOCK SUPER "1322" (Others)**



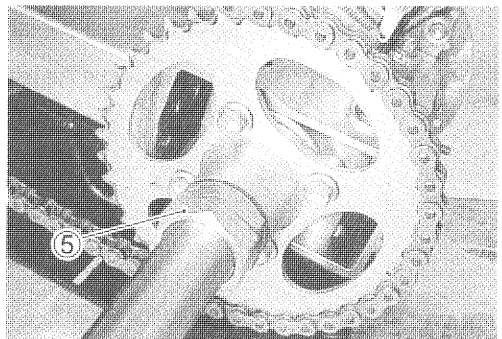
- Tighten the rear axle outer nut ⑤ to the specified torque with special tool.

 **Axle shaft nut (outer): 180 N·m (18.0 kgf-m, 130.0 lb-ft)**

 **09940-92450: Rear axle nut holder**

NOTE:

When tightening the axle nut with the special tool, the reading torque on the torque wrench is smaller than actual torque that is applied to the axle nut. Therefore convert the tightening torque.
( 6-88)



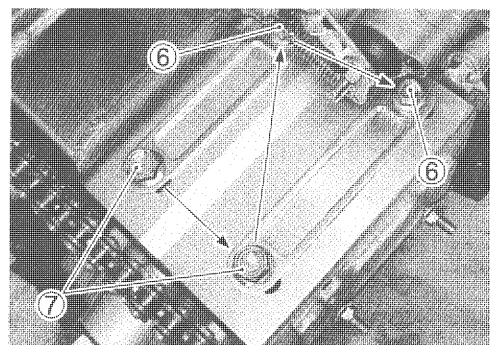
- Install the rear wheel hubs. (☞ 6-14)
- Install the rear wheels. (☞ 6-14)
- Adjust the chain slack. (☞ 2-22)
- Tighten the rear axle housing bolts to the specified torque in the described order. (☞ 2-23)

 Rear axle housing bolt (M10) ⑥:

73 N·m (7.3 kgf-m, 53.0 lb-ft)

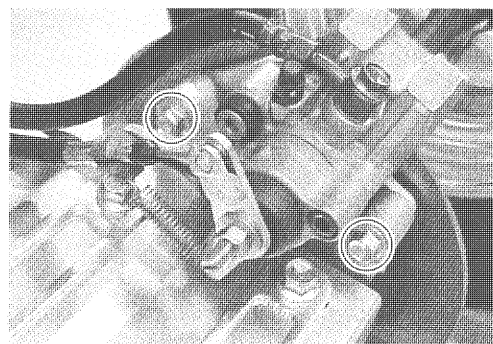
 Rear axle housing bolt (M12) ⑦:

100 N·m (10.0 kgf-m, 72.5 lb-ft)



- Install the rear caliper and tighten the caliper mounting bolts to the specified torque.

 Rear caliper mounting bolt: 26 N·m (2.6 kgf-m, 19.0 lb-ft)



REAR AXLE NUT TIGHTENING TORQUE

Measure the effective length L of the torque wrench.

Calculate the reading torque on the torque wrench by use of the formula shown below.

$$T = \frac{L \times Ts}{L + Ls}$$

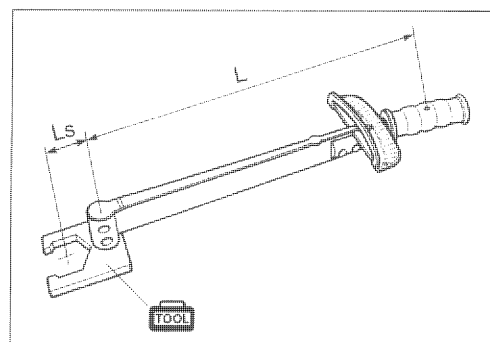
T : Reading torque on the torque wrench

Ts : Specified torque

Ls : 0.046 m (1.81 in)

Off-set of the specified special tool (09940-92450)

L : Effective length of the torque wrench

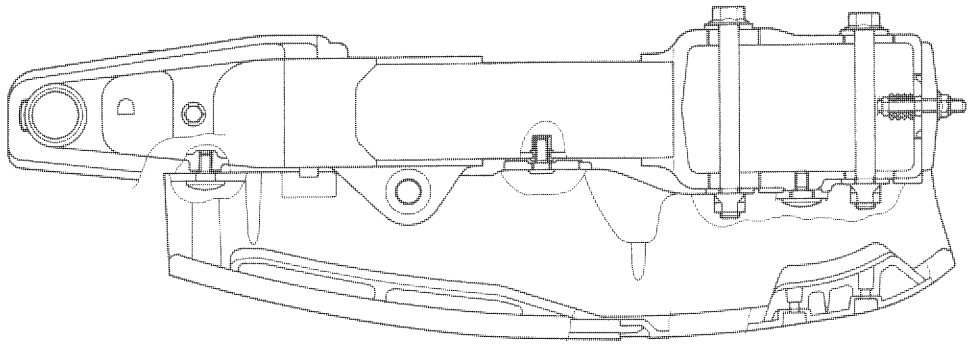
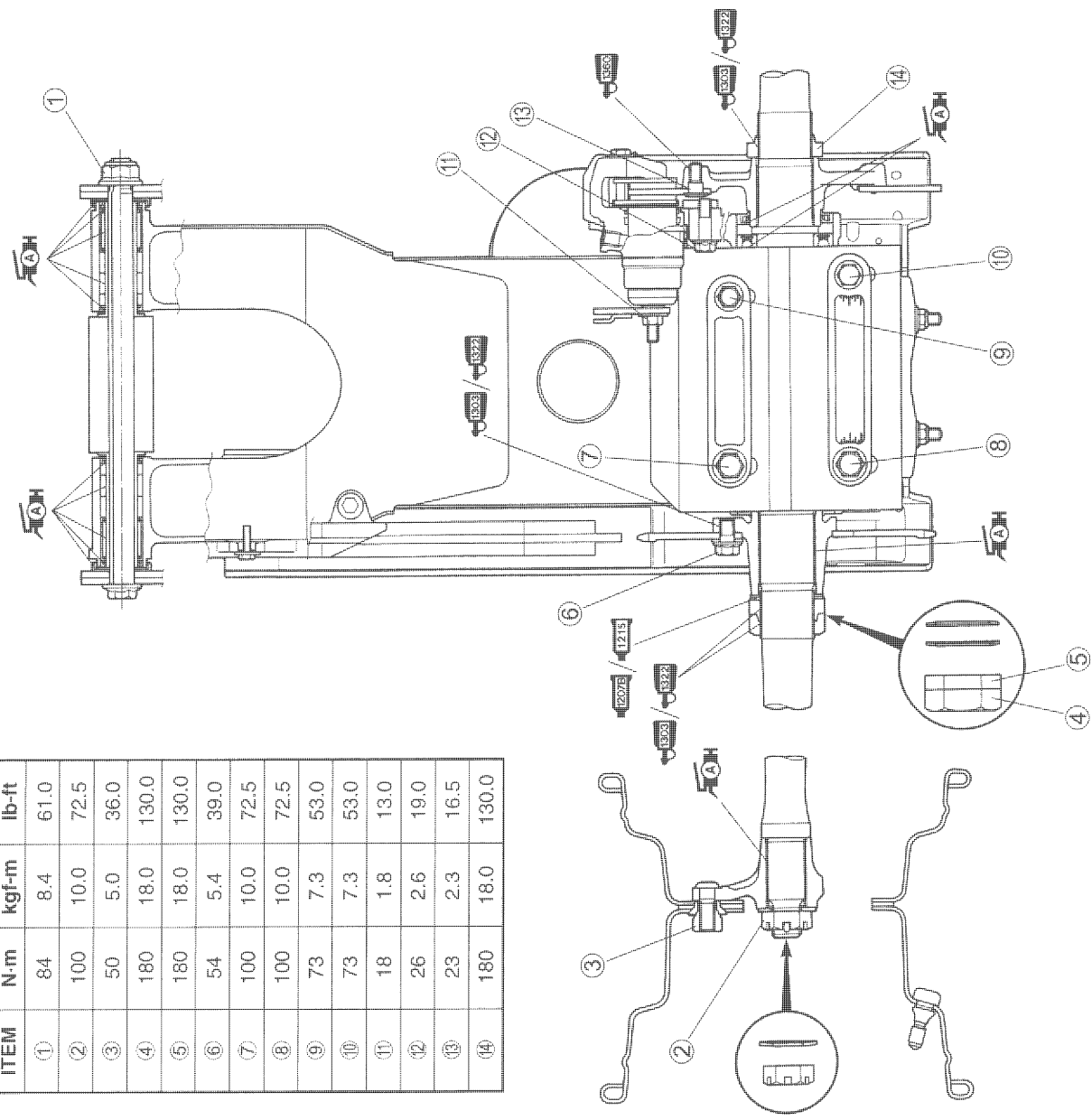


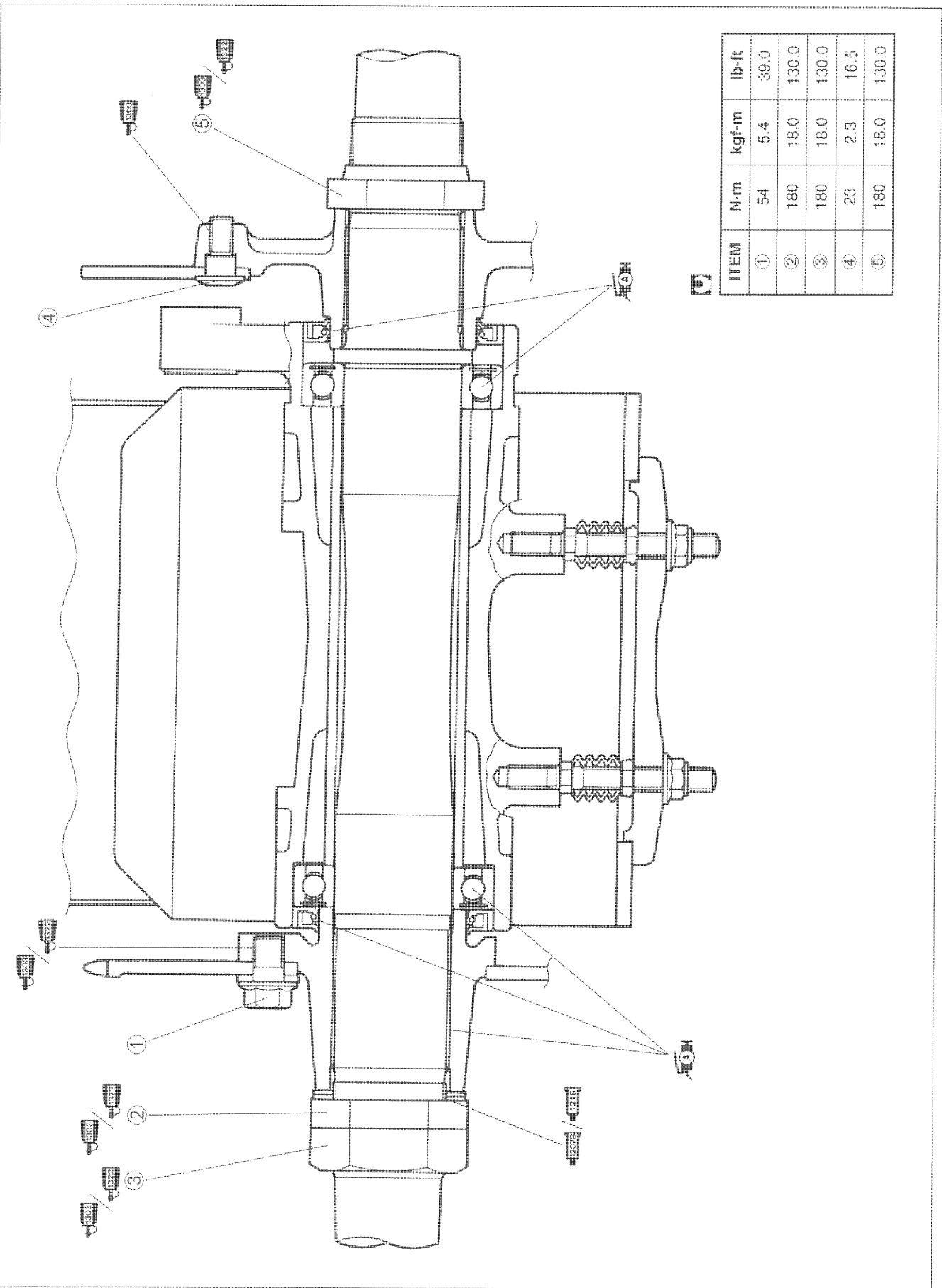
 **09940-92450: Rear axle nut holder**

REAR WHEEL, REAR BRAKE, REAR SUSPENSION, REAR SWINGARM AND REAR AXLE SHAFT REASSEMBLING INFORMATION



ITEM	N·m	kgf·m	lb·ft
①	84	8.4	61.0
②	100	10.0	72.5
③	50	5.0	36.0
④	180	18.0	130.0
⑤	180	18.0	130.0
⑥	54	5.4	39.0
⑦	100	10.0	72.5
⑧	100	10.0	72.5
⑨	73	7.3	53.0
⑩	73	7.3	53.0
⑪	18	1.8	13.0
⑫	26	2.6	19.0
⑬	23	2.3	16.5
⑭	180	18.0	130.0

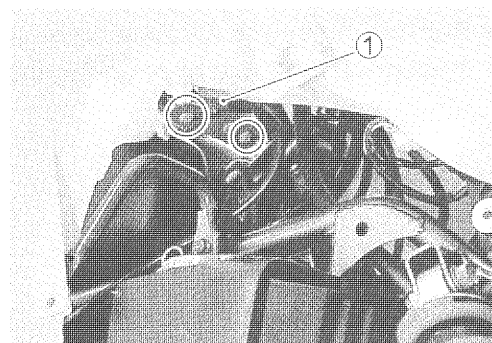




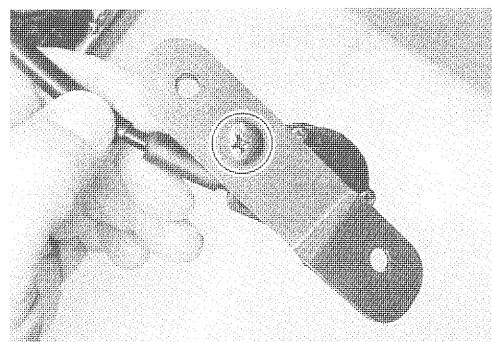
REVERSE LOCK RELEASE CABLE

REMOVAL

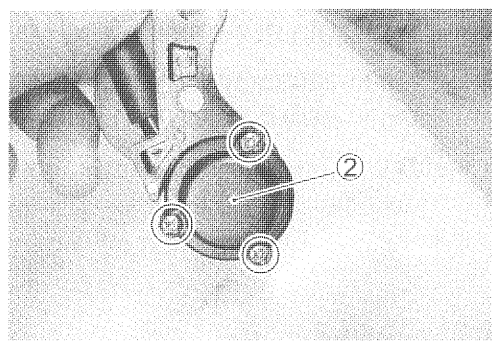
- Remove the reverse lock release knob ① from the front fender.



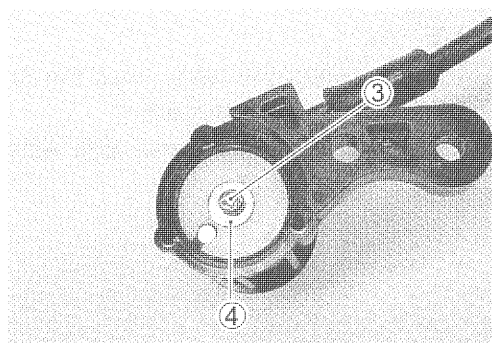
- Remove the bracket.



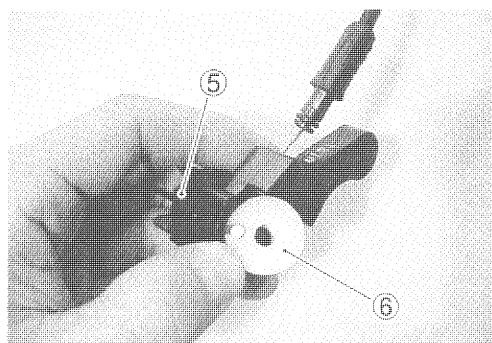
- Remove the cap ②.



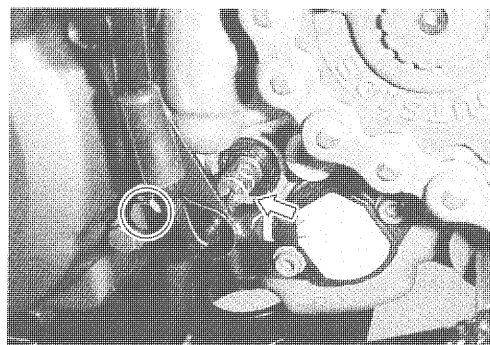
- Remove the screw ③ and washer ④.



- Remove the knob ⑤.
- Disconnect the cable by removing the rotor ⑥.



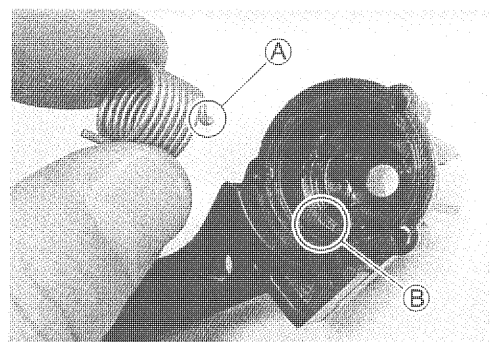
- Remove the engine sprocket cover. (☞ 3-5)
- Disconnect the cable by removing the cable mounting bolt.



REMOUNTING

Remount the reverse lock release cable in the reverse order removal. Pay attention to the following points:

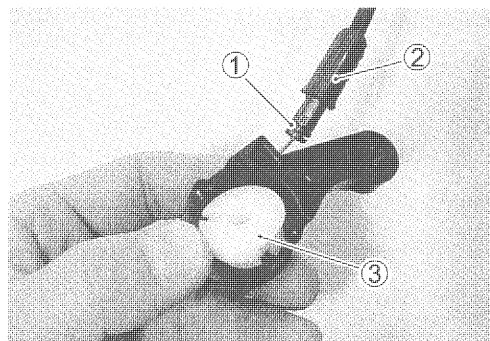
- Install the spring with the spring end ① matched the groove ② on the housing.



- Apply SUZUKI SUPER GREASE "A" to the O-ring ①.

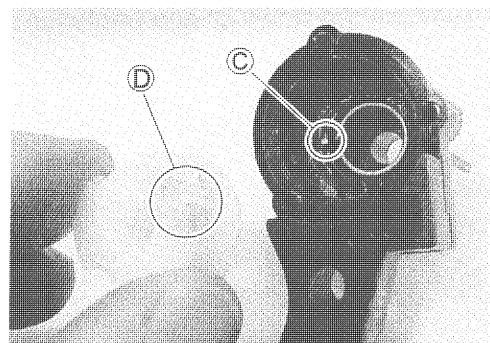
 99000-25030: SUZUKI SUPER GREASE "A" (USA)
99000-25010: SUZUKI SUPER GREASE "A" (Others)

- Install the O-ring ① to the reverse lock release cable ②.
- Connect the cable to the rotor ③ through the hole of the housing.



NOTE:

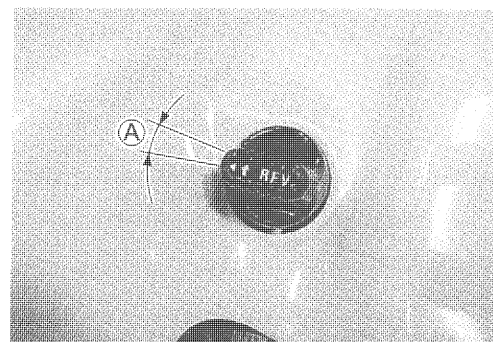
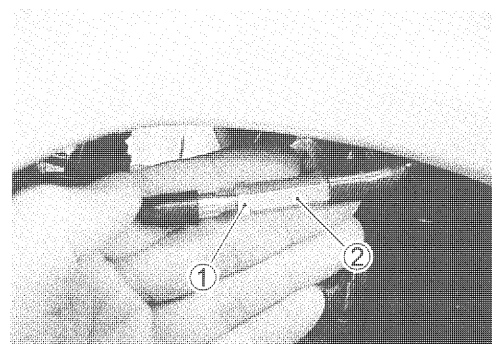
- * When installing the rotor, hook the spring end ③ on the concave portion ④ of the rotor.
- * Make sure that the reverse lock release cable is routed correctly.



CABLE PLAY ADJUSTMENT

After installing the reverse lock release cable, adjust the cable play. The cable adjuster is located at inside of the fuel tank right side cover.

- Loosen the locknut ①.
- Turn the adjuster ② in or out until the cable play **A** should be 1 – 2 mm (0.04 – 0.08 in) at the reverse lock release knob.
- Tighten the locknut ① securely.



- After adjustment, be sure to check for reverse lock function.

