

FRONT WHEEL AND BRAKE DISC

#### EAS00542

## INSTALLING THE FRONT WHEEL

- 1. Lubricate:
  - wheel axle
  - wheel bearings
  - oil seal lips



- 2. Install:
  - speedometer gear unit ①

## NOTE: \_\_

Make sure the speedometer gear unit and the wheel hub are installed with the two projections (2) meshed into the two slots(3) respectively.

- 3. Install:
  - front wheel ①

## NOTE: \_\_\_

Make sure the slot(2) in the speedometer gear unit fits over the stopper (3) on the outer tube.

4. Tighten:

• wheel axle [> 70 Nm (7.0 m • kg, 50.6 ft • lb)]

## **CAUTION:**

Before tightening the wheel axle nut, push down hard on the handlebar several times and check if the front fork rebounds smoothly.

- 5. Install:
  - brake caliper ①
  - brake caliper bolts (2)
  - 🔀 35 Nm (3.5 m kg, 25.3 ft lb)

Make sure the brake hose is routed properly.







EAS00548

# ADJUSTING THE FRONT WHEEL STATIC BALANCE

## NOTE: \_

- After replacing the tire, wheel or both, the front wheel static balance should be adjusted.
- Adjust the front wheel static balance with the brake disc installed.
- 1. Remove:
  - balancing weight(s)





2. Find:

• front wheel's heavy spot

## NOTE: \_\_

Place the front wheel on a suitable balancing stand.

- \*\*\*\*\*\*
- a. Spin the front wheel.
- b. When the front wheel stops, put an "X1" mark at the bottom of the wheel.
- c. Turn the front wheel 90° so that the "X1" mark is positioned as shown.
- d. Release the front wheel.

- e. When the wheel stops, put an "X<sup>2</sup>" mark at the bottom of the wheel.
- f. Repeat steps (d) through (f) several times until all the marks come to rest at the same spot.
- g. The spot where all the marks come to rest is the front wheel's heavy spot "X".

## FRONT WHEEL AND BRAKE DISC CHAS







3. Adjust:

front wheel static balance

- a. Install a balancing weight ① onto the rim exactly opposite the heavy spot "X".

### NOTE: \_

Start with the lightest weight.

- b. Turn the front wheel 90° so that the heavy spot is positioned as shown.
- c. If the heavy spot does not stay in that position, install a heavier weight.
- d. Repeat steps (b) and (c) until the front wheel is balanced.

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4. Check:

front wheel static balance

- a. Turn the front wheel and make sure it stays at each position shown.
- b. If the front wheel does not remain stationary at all of the positions, rebalance it.

## **REAR WHEEL AND REAR BRAKE**



Order	Job/Part	Q'ty	Remarks
	Removing the rear wheel and rear brake		Remove the parts in the order listed. <b>NOTE:</b> Place the scooter on a suitable stand so that the front wheel is elevated.
	Muffler assembly		Refer to "MAINFOLD, AIR FILTER AND MUFFLER ASSEMBLY "in chapter 5.
	Rear arm		
1	Brake adjuster	1	
2	Brake cable	1	
3	Compression spring	1	
4	Pin	1	
5	Rear wheel	1	
6	Brake shoe	2	
7	Tension spring	2	
8	Plate washer	1	
9	Camshaft lever	1	
10	Indicator plate	1	
11	Brake camshaft	1	
			For installation, reverse the removal pro- cedure.



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## CHECKING THE REAR WHEEL

- 1. Check:
  - wheel axle
  - rear wheel Refer to "CHECKING THE FRONT WHEEL".
- 2. Check:
  - tire
    - rear wheel Damage/wear → Replace. Refer to "CHECKING THE TIRES" and "CHECKING THE WHEELS" in chapter
  - 3.
- 3. Measure:
  - •radial wheel runout
  - Iateral wheel runout
    - Refer to "CHECKING THE FRONT WHEEL".



REAR WHEEL AND REAR BRAKE CHAS

### EAS00569

## CHECKING THE BRAKE

The following procedure applies to all of the brake shoes.

- 1. Check:
  - brake shoe lining Glazed areas → Repair. Sand the glazed areas with course sandpaper.

## NOTE: \_

After sanding the glazed areas, clean the brake shoe with a cloth.

- 2. Measure:
  - brake shoe lining thickness ⓐ
     Out of specification → Replace.



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Do not allow oil or grease to contact the brake shoes.

## NOTE: \_

Replace the brake shoes as a set, if either is worn to the wear limit.

- 3. Measure:
  - brake drum inside diameter (b)
     Out of specification → Replace the wheel.



- 4. Check:
  - brake drum inner surface
     Oil deposits → Clean.
     Remove the oil with a rag soaked in lacquer thinner or solvent.
     Scratches → Repair.
     Lightly and evenly polish the scratches with an emery cloth.
- 5. Check:
  - brake camshaft
     Damage/wear → Replace.







REAR WHEEL AND REAR BRAKE



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## ASSEMBLING THE BRAKE SHOE PLATE

- 1. Install:
  - brake camshaft ①
  - brake shoe wear indicator (2)

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- a. Install the brake camshaft so its punch mark(a) is positioned as shown.
- b. Align the projection (b) on the brake shoe wear indicator with the notch in the brake shoe camshaft.
- c. Check that the brake shoes are properly positioned.

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- 2. Check:
  - rear brake level free play Refer to "CHECKING AND ADJUSTING THE REAR BRAKE " in chapter 3.

EAS00575

## ADJUSTING THE REAR WHEEL STATIC BAL-ANCE

NOTE: \_

- After replacing the tire, wheel or both, the rear wheel static balance should be adjusted.
- Adjust the rear wheel static balance with the brake disc and rear wheel drive hub installed.
- 1. Adjust:
  - rear wheel static balance Refer to "ADJUSTING THE FRONT WHEEL STATIC BALANCE".



# FRONT BRAKE



Order	Job/Part	Q'ty	Remarks
	Removing the front brake pads		Remove the parts in the order listed.
1	Caliper brake bracket bolt	2	
2	Caliper brake pad bolt	1	
3	Brake pad	2	
4	Brake pad plate	1	
5	Brake pad spring	2	Refer to "REPLACING THE FRONT BRAKE PADS".
6	Caliper brake bracket	1	
7	Caliper assembly	1	
			For installation, reverse the removal pro- cedure.