

TABLE OF CONTENTS

STEERING SYSTEM	08-02-1
GENERAL	08-02-2
HANDLEBAR GRIP	08-02-2
HANDLEBAR.....	08-02-2
STEERING COLUMN.....	08-02-2
TIE-ROD.....	08-02-3
STEERING COLUMN BEARING.....	08-02-3
MULTI-FUNCTION SWITCH	08-02-4
THROTTLE HANDLE HOUSING.....	08-02-4
LH BRAKE HANDLE.....	08-02-5
RH MASTER CYLINDER	08-02-5

Section 08 STEERING SYSTEM

Subsection 02 (STEERING SYSTEM)

GENERAL

During assembly/installation, use torque values and service products as in the exploded view. Clean threads before applying threadlocker. Refer to SELF-LOCKING FASTENERS and LOCTITE APPLICATION at the beginning of this manual for complete procedure.

WARNING

Torque wrench tightening specifications must strictly be adhered to.

Locking devices (ex.: locking tabs, elastic stop nuts, self-locking fasteners, cotter pin, etc.) must be installed or replaced with new ones where specified. If the efficiency of a locking device is impaired, it must be renewed.

HANDLEBAR GRIP

Removal

Remove:

- grip screw and end piece
- cut grip using a knife for removal.

Installation

Remove all rubber residues of the old grip and glue from handlebar.

Clean the handlebar with parts cleaner or alcohol to remove any greasy matter on it.

Install handlebar grip using compressed air.

Install Smoothflow™ tapered tip on Loctite 406 glue bottle.

Lift grip edge using a metal tool and inject Loctite 406 (about 4 spots per end).

NOTE: Loctite 406 dries quickly. Do not apply loctite 406 before installing grip.

Apply pressure on the grip for approximately 30 seconds to set the glue.

Install end piece and grip screw. Torque grip screw to 0.4 N•m (3.5 lbf•in).

HANDLEBAR

Removal

Remove:

- steering cover (refer to BODY)
- handlebar grips **no. 1** as described above

- brake handle **no. 2** and master cylinder (see below in this subsection)
- throttle handle housing **no. 3** and multi-function switch **no. 4** (see below in this subsection)
- steering clamp mounting bolts **no. 5** and steering clamp **no. 6**
- handlebar **no. 7**.

NOTE: On applicable models, remove the hand protector and windshield. Refer to BODY.

Inspection

Inspect the handlebar for damage, cracks or bending, replace if any problems is detected.

Installation

For the installation, reverse the removal procedure. Torque front steering clamps nuts first, then rear nuts.

STEERING COLUMN

Removal

Remove:

- front fender and steering cover (refer to BODY)
- steering clamp mounting bolts **no. 5**, steering clamp **no. 6**, handlebar **no. 7** and steering cover support **no. 8**
- cotter pin **no. 9**, castellated nut **no. 10** and flat washer **no. 11** from bottom end of steering column **no. 12**.

Unfasten tie-rods **no. 13** from steering column. Refer to TIE-ROD.

Remove half housing bolts **no. 14**, stopper plates **no. 15**, half housings **no. 16** and housing bushings **no. 17**.

Pull steering column.

Inspection

Inspect steering column for damage, cracks or bending, replace if any problems is detected.

Installation

For the installation, reverse the removal procedure.

Install a new cotter pin. Separate both halves of cotter pin. Fold them against a different nut flat.

TIE-ROD

Removal

Place the vehicle on jack stands and remove front wheel(s).

Remove cotter pins **no. 18**, castellated nuts **no. 19**, hardened washers **no. 20** and flat washer **no. 21**.

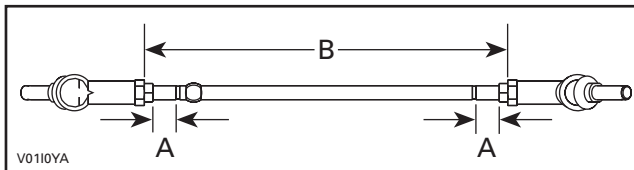
Inspection

Inspect ball joint ends for wear or looseness, if excessive, replace.

Installation

For the installation, reverse the removal procedure. Pay attention to the following details.

At the time of reinstallation or of the new tie-rod(s) installation, screw threaded end of tie-rod into ball joint. The maximum length for tie-rod groove to ball joint end must be the value **A** in the following chart:



MODEL		A	B
All	mm	20 ± 5	311 ± 1
	in	25/32 ± 3/16	12-1/4 ± 1/32

Torque the ball joint lock nut **no. 22** to 34 N•m (25 lbf•ft).

Torque ball joint nuts **no. 19** to 65 - 80 N•m (48 - 59 lbf•ft).

Install new cotter pins. Separate both halves of cotter pin. Fold them against a different nut flat.

Toe Adjustment

Place vehicle on level surface.

Check that handlebar is straight.

Use a long rule and check if the rear and front wheels are aligned.

Adjust alignment with tie-rod.

Adjust total toe-out to 8 mm ± 4 mm (.315 in ± .157 in).

STEERING COLUMN BEARING

Removal

Place vehicle on jack stands and remove front wheels.

Remove front fender. Refer to BODY.

Separate tie-rods **no. 13** from steering column **no. 12**. Refer to TIE-ROD.

Remove cotter pin **no. 9**, castellated nut **no. 10** and flat washer **no. 11** from bottom end of steering column **no. 12**.

Pull up steering column.

Remove carriage bolts **no. 23** and bearing flanges **no. 24**.

Remove bearing **no. 25**.

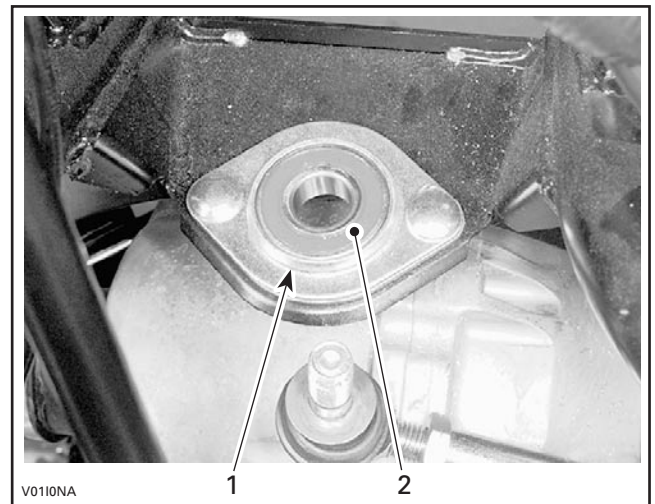
Installation

For installation, reverse the removal procedure. Pay attention to the following details.

Assemble bearing to bearing flanges. Flange collars of bearing flange must be facing outward.

NOTE: Install both bearing flanges on top of frame support.

Install carriage bolts **no. 23**, apply Loctite 243 on threads.



BOTH BEARING FLANGES AND BEARING ON TOP OF FRAME

1. Flange collar
2. Bearing

Install a new cotter pin. Separate both halves of cotter pin. Fold them against a different nut flat.

Section 08 STEERING SYSTEM

Subsection 02 (STEERING SYSTEM)

MULTI-FUNCTION SWITCH

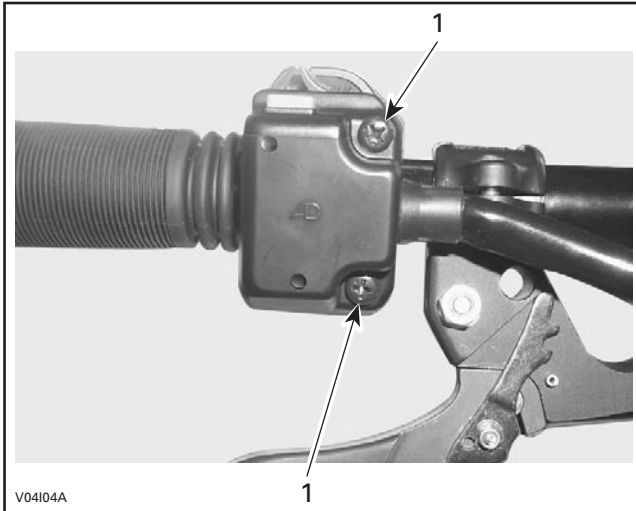
Test

Refer to INSTRUMENTS AND ACCESSORIES for Hi-Lo Beam button.

Refer to STARTING SYSTEM for engine stop switch and start button.

Removal

Remove the two screws.

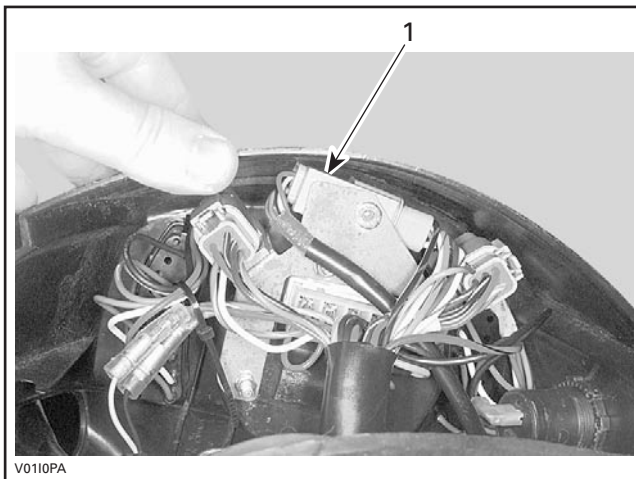


1. Screws

Separate multi-function switch no. 4 from handlebar no. 7.

Remove steering cover. Refer to BODY.

Unplug multi-function switch connector. The connector is located under steering cover.



UNDER STEERING COVER

1. Multi-function switch connector

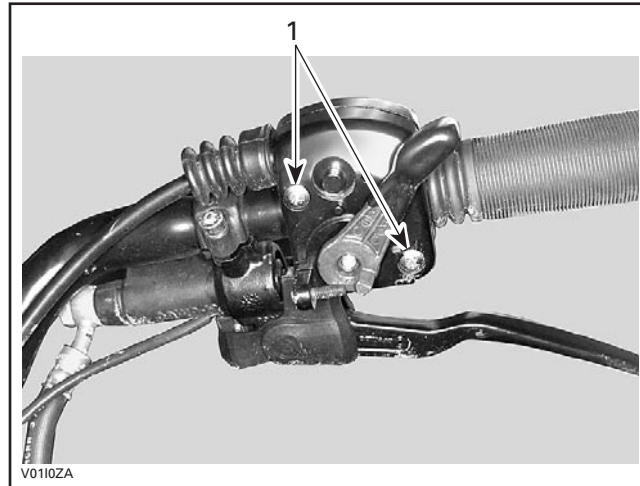
Installation

For installation, reverse the removal procedure.

THROTTLE HANDLE HOUSING

Removal

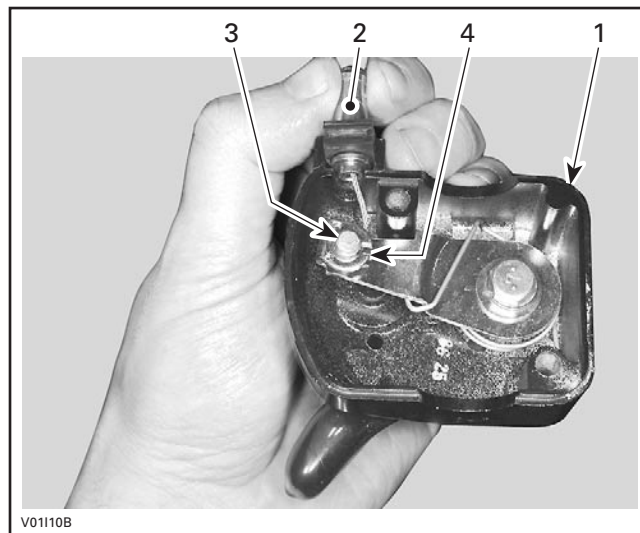
Remove screws no. 26.



1. Screws

Separate throttle handle housing no. 3 from handlebar no. 7.

Remove throttle cable housing from throttle handle housing.



1. Throttle handle housing
2. Throttle cable housing
3. Throttle cable barrel
4. Lever slot

Slide cable in lever slot and remove the cable barrel from the lever.

Installation

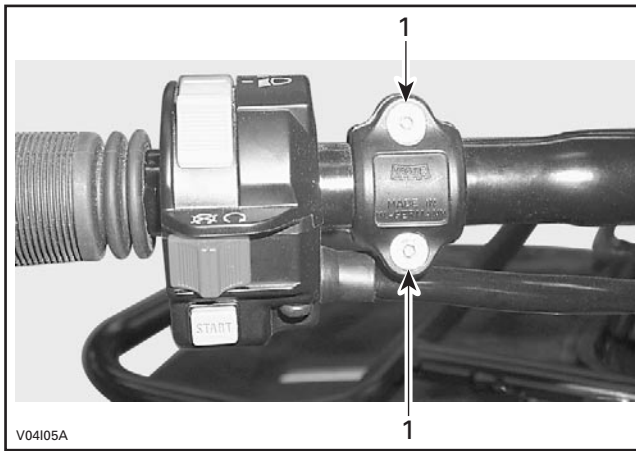
For installation, reverse the removal procedure.

Refer to CARBURETOR AND FUEL PUMP for adjustment and lubrication procedure.

LH BRAKE HANDLE

Removal

Remove screws.



TYPICAL

1. Screws

Separate brake handle no. 2 from handlebar no. 7.
If necessary, cut locking tie.

Cable Removal

Refer to HYDRAULIC BRAKES for specific instructions.

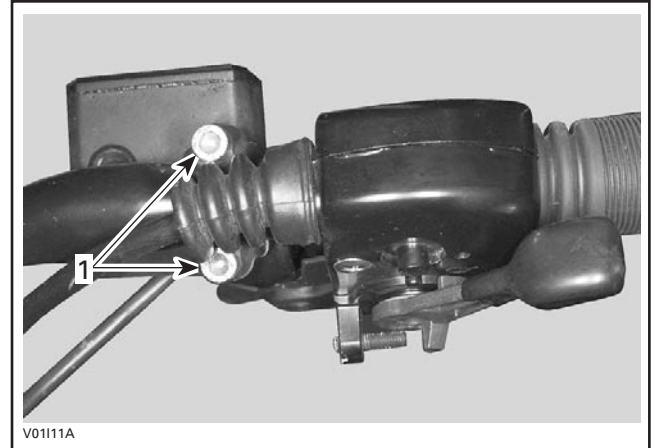
Installation

For installation, reverse the removal procedure.

RH MASTER CYLINDER

Removal

Remove screws.



1. Screws

Separate master cylinder from handlebar no. 7.
If necessary, unplug connectors under steering cover and cut locking tie.

Hose Removal

Refer to HYDRAULIC BRAKES for specific instructions.

Installation

For installation, reverse the removal procedure.