



SHIMANO 600 D_X

HANDLE STEM

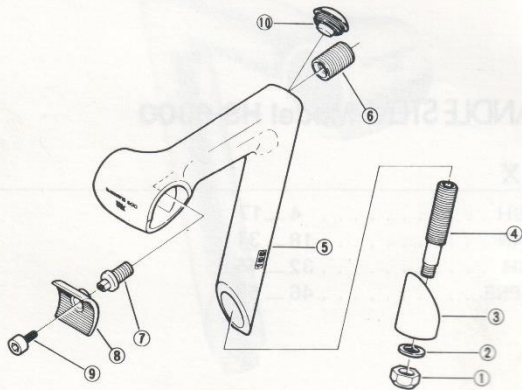


7 HANDLE STEM Model HS-6300

INDEX

ENGLISH	4 — 17
GERMAN	18 — 31
FRENCH	32 — 45
JAPANESE	46 — 59

ENGLISH



ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	452 0700	Lock Nut	5	452 0151	Extension Stem 80mm (φ25.4)
2	452 0600	Washer		452 0152	Extension Stem 90mm (φ25.4)
3	452 0500	Expander Cone		452 0153	Extension Stem 100mm (φ25.4)
4	452 0400	Expander Bolt		452 0154	Extension Stem 110mm (φ25.4)
	452 0100	Extension Stem 70mm (φ26.0)		452 0155	Extension Stem 120mm (φ25.4)
	452 0101	Extension Stem 80mm (φ26.0)		452 0156	Extension Stem 130mm (φ25.4)
	452 0102	Extension Stem 90mm (φ26.0)	6	451 0500	Handle Bar Adjusting Bolt
	452 0103	Extension Stem 100mm (φ26.0)	7	451 0400	Handle Bar Fixing Bolt
5	452 0104	Extension Stem 110mm (φ26.0)	8	451 0300	Push-plate
	452 0105	Extension Stem 120mm (φ26.0)	9	451 0200	Fixing Bolt
	452 0106	Extension Stem 130mm (φ26.0)	10	452 0200	Cap
	452 0150	Extension Stem 70mm (φ25.4)			

■ Features

- 1) The streamlined design of the handle stem's head part reduces air resistance considerably. (Aerodynamic design)
- 2) Attachment to both handle bar and head tube requires only a single hexagon spanner (6mm x 130mm) for fixing.
- 3) Assembly method of the handle bar utilizes the differential screw system. And the push-plate ensures that the handle bar is securely fixed.
- 4) The head tube assembly method also employs the differential screw system for securer fixing.

Now, when removing the handle stem from the head tube, it is no longer necessary to give the bolt head a sharp tap in order to remove the expander cone. The expander cone simply slips out of the stem body with minimum effort.

■ Specifications

Material:	Light Alloy
Weight:	286g (Protrusion Length 100mm)
Handle Stem Diameter:	22.2mm
Protrusion Length:	70, 80, 90, 100, 110, 120, 130mm
Handle Bar Diameter:	26.0mm or 25.4mm

■ Note

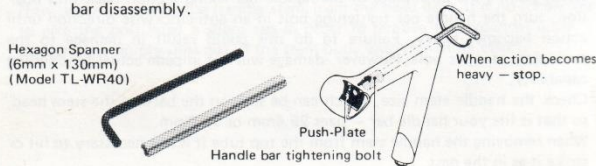
- When pulling the push-plate of the handle bar fixing section back into position, turn the handle bar tightening bolt in an anti-clockwise direction until action becomes heavy. Failure to do this could result in damage to the push-plate stopper bolt. However, damage will not impede actual functioning capability.
- Check the handle stem size, which can be seen on the back of the stem head, so that it fits your handle bar – sizes 25.4mm or 26.0mm.
- When removing the handle stem from the top tube it is not necessary to hit or strike it as in the past.

■ Assembly Method

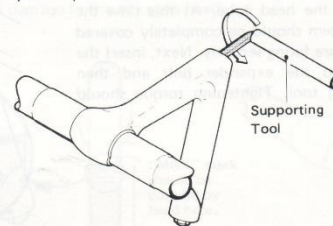
Handle Bar Assembly

- 1) Remove the cap by means of the hexagon spanner (6x130mm). Then turn the handle bar tightening bolt in an anti-clockwise direction to move the push-plate back toward the cap. This provides enough space for handle bar insertion.

Note: When turning the handle bar tightening bolt in an anti-clockwise direction, be sure to stop when the action becomes heavy. Further turning will result in possible damage to the push-plate. However, if the head part of the push-plate stopper bolt is damaged it will not cause any inconvenience during actual use. Its use is merely to keep the push plate in position during handle bar disassembly.



- 2) Pass the handle bar through the stem and then fix. To fix, turn the handle bar tightening bolt in a clockwise direction by means of the hexagon spanner and supporting tool. Bolt tightening torque should be 200–300 kg·cm. (This power corresponds to that which produces 20–30kg when gripping supporting tool 10cm from hexagon spanner.)



Assembly to Frame

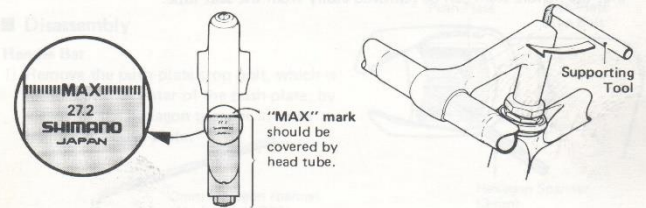
- 1) Turn the expander bolt in an anti-clockwise direction by means of the hexagon spanner in order to move the expander cone so that the stem can be assembled to the head tube.
- 2) Insert the stem into the head tube. At this time the "MAX" sign on the stem should be completely covered by the head tube before fixing securely. Next, insert the hexagon spanner into the expander bolt and then attach the supporting tool. Tightening torque should be 200–300 kg·cm.



Cap Assembly

On completion of assembling the handle bar and the stem to the head tube, screw the cap to the handle stem by means of the hexagon spanner and lightly secure. Tightening torque should be 10–20kg·cm.

Note: The cap is made of resin so care should be exercised when tightening in order to avoid damage to the hexagon head.



■ Disassembly

When removing the handle stem from the head tube be sure to follow these instructions:

- 1) Turn the cap in an anti-clockwise direction by means of the hexagon spanner and remove.
- 2) Insert the hexagon spanner to the expander bolt and turn in an anti-clockwise direction utilizing a supporting tool. This will move the expander cone down so that the handle stem can be removed easily from the seat tube.

Removal of the Handle Bar from the Handle Stem

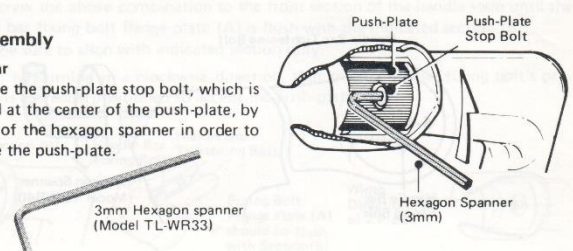
- 1) Remove the cap.
- 2) Insert the hexagon spanner (6x130mm) to the handle bar tightening bolt and turn in an anti-clockwise direction 2 or 3 times. Now remove from the handle bar.

Note: When turning the hexagon spanner be sure to stop as soon as the action becomes heavy otherwise damage may occur with the push-plate stop bolt.

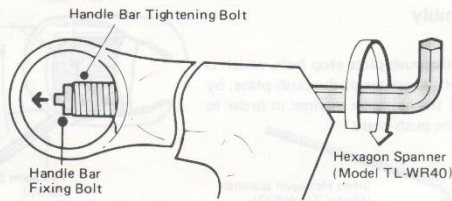
■ Disassembly

Handle Bar

- 1) Remove the push-plate stop bolt, which is located at the center of the push-plate, by means of the hexagon spanner in order to remove the push-plate.



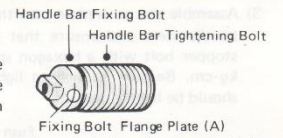
- 2) Turn the handle bar tightening bolt in an anti-clockwise direction by means of the hexagon spanner (6mm x 130mm) and remove from the stem.
- 3) Combine the handle bar tightening bolt and handle bar fixing bolt by screwing together. Disassembly of the handle bar fixing section is now complete.



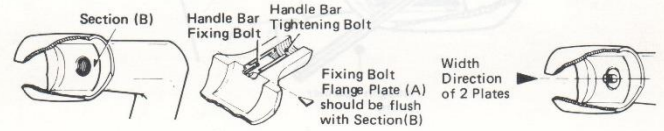
■ Assembly Method

Handle Bar Fixing Section

- 1) Screw the handle bar fixing bolt to the handle bar tightening bolt and tighten until limit. The screw section should be lightly lubricated with grease.
- 2) Now screw the above combination to the front section of the handle stem until the handle bar fixing bolt flange plate (A) is flush with the indicated section (B). Please be sure to align with indicated section only.



Ensure, by turning in a clockwise direction, that the handle bar fixing bolt's projection is correctly positioned to accept the push-plate.



- 3) Assemble the push-plate into the stem hole by inserting from the front side of the handle stem and ensure that it is assembled perfectly. Then fix the push-plate stopper bolt with a hexagon spanner (3mm). Tightening torque should be 10–20 kg-cm. Be sure to tighten lightly. The screw section of push-plate stopper bolt should be lightly greased.

