General Safety Information

WARNING – To avoid serious injuries:

· When securing the brake arm to the frame, be sure to use a brake arm clip that matches the size of the chainstay, and securely tighten them with the clip screw and clip nut to the specified tightening torque. Use a lock nut with a nylon insert (self-locking nut) for the clip nut. It is recommended that standard Shimano parts be used for the clip screw, clip nut and brake arm clip. In addition, use a brake arm clip that matches the size of the chainstay.

If the clip nut comes off the brake arm, or if the clip screw or brake arm clip becomes damaged, the brake arm may rotate on the chainstay and cause the handlebars to jerk suddenly, or the bicycle wheel may lock and the bicycle may fall over, causing serious injury.

- When installing the hub to the frame, be sure to install the correct non-turn washers to the left and right sides. and securely tighten the hub nuts to the specified torques. If the non-turn washers are installed to one side only, or if the hub nuts are not tightened sufficiently, the non-turn washer may fall out, which could cause the hub axle to rotate and the cassette joint to turn. This may then cause the handlebars to be accidentally pulled by the shifting cable, and an extremely serious accident could result
- Obtain and read the service instructions carefully prior to installing the parts. Loose, worn, or damaged parts may cause serious injury to the rider. We strongly recommend only using genuine Shimano replacement parts.
- · Check that the wheels are fastened securely before riding the bicycle. If the wheels are loose in any way, they may come off the bicycle and serious injury may
- · Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

NOTE:

- · You can shift gears while pedaling, but on rare occasions the pawls and ratchet inside the hub may produce some noise afterwards as part of normal gear shifting operation.
- The CJ-NX10 cassette joint should only be used with sprockets from 16T to 23T.
- · If the wheel becomes stiff and difficult to turn, you should lubricate it with grease.
- · Do not apply any lubricant to the inside of the hub, otherwise the grease will come out.
- · You should periodically wash the sprockets in a neutral detergent and then lubricate them again. In addition, cleaning the chain with neutral detergent and lubricating it can be a effective way of extending the useful life of the sprockets and the chain.
- · If the chain keeps coming off the sprockets during use, replace the sprockets and the chain.
- · Parts are not guaranteed against natural wear or deterioration resulting from normal use
- · For maximum performance we highly recommend Shimano lubricants and maintenance products.
- For any questions regarding methods of handling or adjustment, please contact the place of purchase

Technical Service Instructions

Be sure to read these service instructions in conjunction

with the service instructions for the Inter-M Brake and the

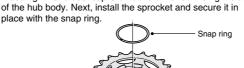
CJ-NX10

Inter-7 shifting lever before use.

SI-7R45E

Inter-7 Hub

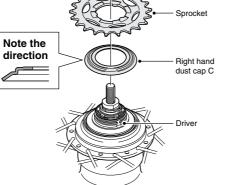
Cassette ioint



Installation of the sprocket to the

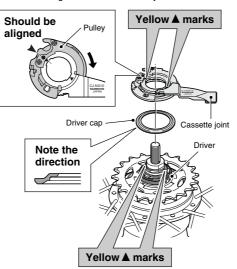
Place right hand dust cap C onto the driver on the right side

hub



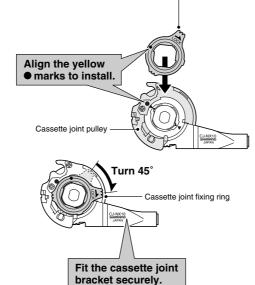
Installation of the cassette joint to the hub

Install the driver cap to the driver to the right side of the 1. hub body. Next, turn the cassette joint pulley in the direction of the arrow so that the yellow • mark is aligned with the yellow **A** mark, and then align the yellow A marks on the cassette joint with the yellow A marks on the right side of the hub body.



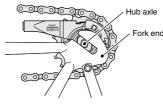
2. Secure the cassette joint to the hub with the cassette joint fixing ring. When installing the cassette joint fixing ring, align the yellow ● mark with the yellow ● mark on the cassette joint pulley, and then turn the cassette joint fixina rina 45° clockwise.

Cassette joint fixing ring



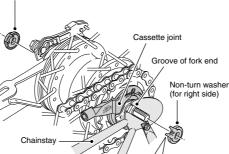
Installation of the hub to the frame

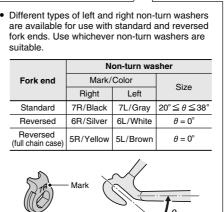
Mount the chain on the sprocket, and then set the hub axle into the fork ends.



2. Place the non-turn washers onto the right side and left side of the hub axle. At this time, turn the cassette joint so that the projecting parts of the non-turn washers fit into the grooves of the fork ends. If this is done, the cassette joint can be installed so that it is almost parallel to the chainstay.

Non-turn washer (for left side)



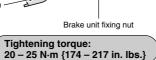


- The projecting parts should be on the fork end side
- Install the non-turn washers so that the projecting parts is securely in the fork end grooves on either side of the hub axle.
- 3. Install the brake arm of the Inter-M brake to the chainstay with the brake arm clip, provisionally tighten the clip screw and clip nut, and then tighten the brake unit fixing nut.

Note:

Brake arm

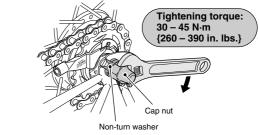
If the brake arm is in the incorrect position as shown in the illustration so that it cannot be provisionally installed to the chainstay, loosen the brake unit fixing nut and turn the brake arm. Then, after provisionally securing the brake arm to the chainstay, tighten the brake unit fixing nut. Brake arm clin



SHIMANO EUROPE B.V.

notice. (English)

SHIMANO INC. 3-77 Oimatsu-cho, Sakai, Osaka 590-8577, Japan © Sep. 2004 by Shimano Inc. PIT. SZK. Printed in Japan



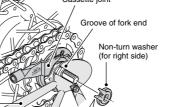


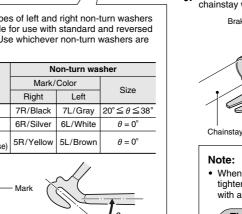
Brake arm clip

Ò

Clip nut

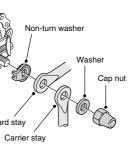
2 – 3 mm





4. Take up the slack in the chain and secure the wheel to the frame with the cap nuts.

> When installing a part such as a mudguard stay to the hub axle, install in the order shown in the

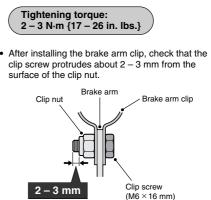


5. Fix the brake arm of the Inter-M brake securely to the chainstay with the brake arm clip.



If excessive force is applied to the brake arm, the wheel will become difficult to turn. Make sure that you don't apply excessive force when installing.

• When installing the brake arm clip, securely tighten the clip screw while holding the clip nut with a 10 mm spanner



These service instructions explain how to use and maintain the Shimano bicycle parts which have been used on your new bicycle. For any questions regarding your bicycle or other matters which are not related to Shimano parts, please contact the place of purchase or the bicycle manufacturer.

These service instructions are printed on recycled paper Please note: Specifications are subject to change for improvement without



SHIMANO AMERICAN CORPORATION One Holland, Irvine, California 92618, U.S.A. Phone: +1-949-951-5003

Industrieweg 24, 8071 CT Nunspeet, The Netherlands Phone: +31-341-272222