**General Safety Information**

- **Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.**
- **The end of the outer casing which has the aluminum cap should be at the derailleur side.**
- **Use a frame with internal cable routing is strongly discouraged as it has tendencies to impair the SIS.**
- **Grease the inner cable and the inside of the outer casing before use to ensure that they slide properly.**
- **For smooth operation, use the specified outer casing and the bottom bracket cable guide.**
- **If you hear abnormal noise as a result of looseness in a pulley, you should replace the pulley.**
- **If the amount of looseness in the links is so great that adjustment is not possible, you should replace the chain.**
- **If gear shifting operations cannot be carried out smoothly, clean the derailleur and lubricate all moving parts.**
- **Check that the tension of the chain is correct and that the chain is not damaged. If the tension is too weak or the chain is damaged, the chain should be replaced if it is not done, the chain may break and cause serious injury.**
- **Obtain and read the service instructions carefully prior to installing the parts.**
- **Loose, worn or damaged parts may cause the bicycle to fall over and serious injury may occur as a result. We strongly recommend only using genuine Shimano replacement parts.**
- **Obtain and read the service instructions carefully prior to installing the parts. If adjustments are not carried out correctly, the chain may come off and this may cause you to fall off the bicycle which could result in serious injury.**
- **Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.**

**Note:**

- If gear shifting operations cannot be carried out smoothly, clean the derailleur and lubricate all moving parts.
- If the amount of looseness in the links is so great that adjustment is not possible, you should replace the derailleur.
- You should periodically clean the derailleur and lubricate all moving parts (mechanism and pulleys). If gear shifting cannot be carried out, check the degree of looseness of parallelism at the rear end of the bicycle. Also check if the cable is lubricated and if the outer casing is too long or too short.
- If you hear abnormal noise as a result of looseness in a pulley, you should replace the pulley.
- You should periodically wash the sprockets in a neutral detergent and then lubricate them again. In addition, cleering the chain with neutral detergent and lubricating it can be an 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.
- For smooth operation, use the specified outer casing and the bottom bracket cable guide.
- Grease the inner cable and the inside of the outer casing before use to ensure that they slide properly.
- Use a frame with internal cable routing is strongly discouraged as it has tendencies to impair the SIS shifting function due to its high cable resistance.
- The tension pulley has an arrow on it to indicate the direction of rotation. Install the tension pulley so that the arrow is pointing clockwise when looking at the outer side of the derailleur.
- The end of the outer casing which has the aluminum cap should be at the derailleur side (RD-6700).

**Specifications**

- **Series:** ULTEGRA
- **Type:** SS / GS
- **Total capacity:** 33 teeth or less 39 teeth or less
- **Largest sprocket:** 28T 29T
- **Smallest sprocket:** 11T 11T
- **Front chainwheel tooth difference:** 16 teeth or less 22 teeth or less
- **Tightening torque:** 6 - 7 N·m (52 - 60 in. lbs.)
- **Guide pulley:**
  - **Note:** Be sure that the cable is securely in the groove.

**Installation of the rear derailleur**

- When installing, be careful that deformation is not caused by the B-tension adjustment screw coming into contact with the dropout tab.

**Chain length**

- **Note:** In order to obtain good gear shifting performance, the CN-7901 / 6701 / 5701 has a forward side and a reverse side, and the sides are marked so that the CN-7901 / 6701 / 5701 will face the correct way when installed. For any questions regarding methods of installation, adjustment, maintenance or operation, please contact a professional bicycle dealer.

**Technical Service Instructions**

SL-SX0B-003

**Siemens American Corporation**

Shimano American Corporation, 185 Shimanofu, Torrance, CA 90505, U.S.A. Phone: 1-310-412-8333

**Siemens Europe Ltd.**

Shimano Europe B.V., Wonderweg 3, 6724 CM, Eindhoven, The Netherlands. Phone: +31 40 441 2222

**Siemens Japan Co., Ltd.**

Shimano Asia Pacific Pte. Ltd, 16, Kyobashi 2-Chome, Minato-ku, Tokyo 104-0026, Japan

*Service Instructions in further languages are available at : http://techdocs.shimano.com*