







- Drain the coolant and separate the engine from the vehicle. (See "(1) Separating Engine")
- Disconnect the radiator hose (3) and bypath hose (1) from the water pump.
- Unscrew the water pump mounting screws and remove the water pump assembly.
- 4. Remove the pump gear (6).
- Pull out the pump shaft (9) with the impeller (11).

#### MOTE

 Do not attempt to remove the mechanical seal (10), oil seal (8) and O-ring (12) unless they are to be replaced.

#### (When reassembling)

- Replace the gasket (5) (13) with new one.
- Coat thin film of engine oil on the pump shaft (9) to avoid oil seal damage.
- Coat mating surfaces of mechanical seal, between the mating ring and seal ring, with fresh water. (See "Mechanical Seal")

Tightening torque	Water Pump mounting screw	W6	5.9 to 7.8 N·m 0.6 to 0.8 kgf·m 4.3 to 5.6 ft·lbs
		MB	13.7 to 16.6 km 1.4 to 1.9 kgfm 10.1 to 13.7 h./bs

- C10. Byowth Hope:
- GD: Pump Cover
- (II) RadiatorHose
- (4) Pump-Case
- 050 Gaskert
- 060 Pump Gear
- (7) Washer
- OR OH Seal

- (3) Pump Shaft
- (10) Mechanical Seal
- (115 Impeller
- (12) O-ring
- (13) Gasket
- (14) Dowellin
- (15) Dowel Pin

#### (Mechanical Seal)

- Mechanical seal parts are shown in the figure.
- If these parts are damaged, replace the seal as a set.
- When installing the mating ring (1) into the cup gasket (2), moisten outside of the mating ring with fresh water.
- When installing the mechanical seal assembly, mating surfaces between the mating ring (1) and seal ring (3) should be coated with fresh water.
- (1) Matting King (Noeting Seat)
- (6) Coll Spring
- (2) Cup Casket (Cushion Ring)
- (7) Casing

CD: Seel Ring.

(iii) Cartridge

140 Belliows

(IE) Impeller Side

(S) Spring-Betainer

- C100 Gener Side

#### Thermostat

- Drain the coolant and remove the radiator, cooling fan and cooling air duct. (See "(1) Separating Engine")
- Unscrew the thermostat cover screw and remove the cover and thermostat.

#### (When reassembling)

Tightening torque	Thermostal coversorew	5.9 N-m 0.6 kg/f-m 4.3 ft-Rin
-------------------	-----------------------	-------------------------------------

- (1) Thermostat Cover
- (2) Classical

(3) Thermostat.

# **Kubota T1770 Manual**

Kubota Tekkō Kabushiki Kaisha

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#### Table of Contents Kubota T1770 Manual

- 1. Understanding the eBook Kubota T1770 Manual
  - o The Rise of Digital Reading Kubota T1770 Manual
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Kubota T1770 Manual
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Kubota T1770 Manual
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Kubota T1770 Manual
  - Personalized Recommendations
  - Kubota T1770 Manual User Reviews and Ratings
  - Kubota T1770 Manual and Bestseller Lists
- 5. Accessing Kubota T1770 Manual Free and Paid eBooks
  - Kubota T1770 Manual Public Domain eBooks
  - Kubota T1770 Manual eBook Subscription Services

- Kubota T1770 Manual Budget-Friendly Options
- 6. Navigating Kubota T1770 Manual eBook Formats
  - ∘ ePub, PDF, MOBI, and More
  - Kubota T1770 Manual Compatibility with Devices
  - Kubota T1770 Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Kubota T1770 Manual
  - Highlighting and Note-Taking Kubota T1770 Manual
  - Interactive Elements Kubota T1770 Manual
- 8. Staying Engaged with Kubota T1770 Manual
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Kubota T1770 Manual
- 9. Balancing eBooks and Physical Books Kubota T1770 Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Kubota T1770 Manual
- 10. Overcoming Reading Challenges
  - o Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Kubota T1770 Manual
  - Setting Reading Goals Kubota T1770 Manual
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Kubota T1770 Manual
  - Fact-Checking eBook Content of Kubota T1770 Manual
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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