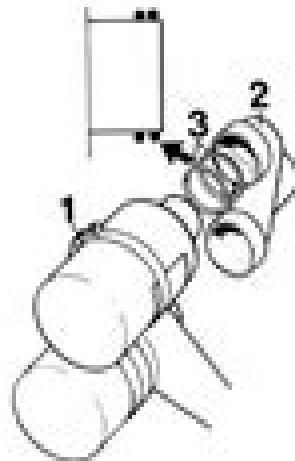


26. Air filter, changing

Change the air filter every 10000 hours. (TAM0101 and TAM0101 have two air filters. Under favourable conditions the time between the changes can be extended. The filter must not be used so long that the air supply to the engine is restricted, resulting in smoke, exhaust emission and reduced power output.

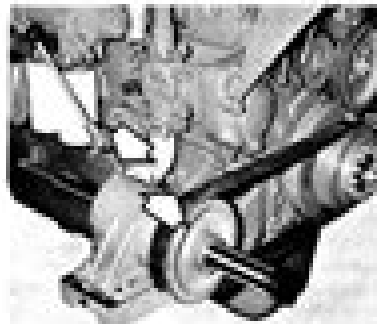
1. Clean the connection pipe (1) at the filter. Slacken the clamp (2) which holds the filter.
2. Remove the old filter. Check that the connection pipe is free from impurities.
3. TAM0101, TAM0101. Fit both the O-rings (3) on the outer end of the pipe connection of the new filter.
4. Check that the filter is free from impurities and push it into the pipe. Tighten the filter using the clamp.
5. Start the engine and check that there is no leakage.



27. Side located power take-off, lubricating

(optional equip.)

Lubricate the power take-off after every 10000 hours of operation. Use universal grease. Lubricate sparingly. A 1/2 smolles of the hand grease gun in each nozzle.



28. Starter motor and alternator, checking

This check must be made after every 10000 hours of operation and be carried out by authorized personnel.

(NOTE) Remove both battery cables before working on the electrical system.

Starter motor: Check the brushes and commutator.

Alternator: Check the brushes and slip rings.

Lubrication:

The large alternator, C40, should be lubricated every 10000 hours. (Other models of alternator are lubricated only in connection with re-conditioning).

Uncover the plug which covers the lubricating hole at the bearing by the belt pulley. Lubricate with a small amount of Shell Rellina 3 or equivalent lubricant of another make. Re-fit the plug.

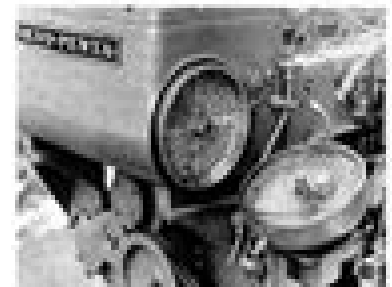


29. Heat exchanger, cleaning

Clean the heat exchanger insert after every 20000 hours.

Close the seawater and drain the coolant before starting any work on the cooling system.

1. Remove the hoses from the end cover of the heat exchanger on the right hand side.
2. Loosen the attaching bolts on both end covers and remove the covers. In the case of TAM0101 engines the covers are attached by four bolts and on the right hand side also a centre bolt. In the case of TAM0100 engines the covers are attached by centre bolts.
3. Pull out the insert and clean it both externally and internally with suitable brushes. Also clean the accessible surfaces in the heat exchanger housing. Rinse off the parts.
4. When assembling make sure that the holes in the insert joint are located opposite the holes in the housing. Replace all the sealing rings and ensure a tight stop on them before fitting.



30. Oil cooler, cleaning

Clean the oil cooler on both the engine and remote gear after every 20000 hours. Close the seawater and drain the coolant before starting any work on the cooling system.

1. Remove both the units and take out the insert.
2. Wash the insert in petrol (gasoline) and blow dry with compressed air. Use a suitable brush for cleaning port pipes.
3. Re-fit the parts with new sealing rings.



31. After-cooler, cleaning

TAM0101

Clean the after-cooler insert after every 50000 hours.

Close the seawater and drain the coolant before starting any work on the cooling system.

1. Disconnect the upper coolant pipe (1) at the heat exchanger.
2. Unscrew the cover (2). Remove the cover and the coolant pipe.
3. Remove the two bolts holding the flange (3). The flange seats against the elastomer with the means of two O-rings.
4. Carefully prise up the elastomer with the help of two screwdrivers.
5. Wash and clean the insert both externally and internally. Also clean the housing if necessary. The housing is made of light alloy and care should therefore be taken not to use a solution which could damage the metal. (NOTE) Ensure that no impurities enter the engine via the water manifold.

Check that the drain hole in the bottom of the housing is open, clean if necessary. The gaskets and O-rings should also be replaced if necessary. Re-fit the components.



20jr50 Service Manual

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Table of Contents 20jr50 Service Manual

1. Understanding the eBook 20jr50 Service Manual
 - The Rise of Digital Reading 20jr50 Service Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying 20jr50 Service 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 20jr50 Service Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from 20jr50 Service Manual
 - Personalized Recommendations
 - 20jr50 Service Manual User Reviews and Ratings
 - 20jr50 Service Manual and Bestseller Lists
5. Accessing 20jr50 Service Manual Free and Paid eBooks
 - 20jr50 Service Manual Public Domain eBooks
 - 20jr50 Service Manual eBook Subscription Services
 - 20jr50 Service Manual Budget-Friendly Options

6. Navigating 20jr50 Service Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - 20jr50 Service Manual Compatibility with Devices
 - 20jr50 Service Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of 20jr50 Service Manual
 - Highlighting and Note-Taking 20jr50 Service Manual
 - Interactive Elements 20jr50 Service Manual
8. Staying Engaged with 20jr50 Service Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers 20jr50 Service Manual
9. Balancing eBooks and Physical Books 20jr50 Service Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection 20jr50 Service Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine 20jr50 Service Manual
 - Setting Reading Goals 20jr50 Service Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of 20jr50 Service Manual
 - Fact-Checking eBook Content of 20jr50 Service 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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