WORKSHOP MANUAL TRACTOR

M5091,M5111

Kubata

TO THE READER

This workshop manual provides safety information for service activity, general information such as specifications and dimensions of the machine, mechanisms and structure descriptions of the machine, and service procedures.

Safety

This section contains safety service descriptions and safety label information.

General

This section contains general instructions, tightening torques, general machine information and special tools.

Maintenance

This section contains information for the recommended oil and general maintenance procedures.

Each section basically consists of mechanism and servicing.

Mechanism

Mechanism part contains information and explanations for the structure, functions, and specifications of the machine or component parts. This part should be comprehended before proceeding with troubleshooting, disassembling, assembling, and servicing works.

Servicing

Servicing part contains information and procedures for maintenance, troubleshooting and repair works. The reader should follow these instructions in order to satisfy any servicing work safely, correctly and quickly.

In this WSM, service specifications and service limits are defined as followings.

Service specifications:

Specification which corresponds to new machine's ex-factory. It is based on quality standard, drawings, or actual measurements conducted by Kubota. This value is used to determine whether there is a problem with the machine in the event of a troubleshooting. However, it is necessary to consider degradation due to wear, based on the operating time of the machine, application or maintenance condition.

Service limits:

Service limit is a value corresponding to the recommended performance limit by taking long term-use wear into account. When the service limit is reached, the machine is required to have proper repair, overhaul or replacement in order to keep safe and adequate performance.

All of the illustrations, photographs, specifications, and other information in this manual were created based on the latest model at the time of publication.

The parts names used in this manual are unified into names representing the functions of the parts. Therefore, it does not necessarily correspond to the names used in other materials (parts list, operators manual etc.) and the name on the label / identification plates on the product.

Kubota reserves the right to change all information at any time without notice.

March 2019

© KUBOTA Corporation

SUPPLEMENTARY INFORMATION

Model name and related manuals

This manual applies to the following model.

Model name	
M5091, M5111	

Please refer to the following manuals if necessary.

Publication title	Publication No.
Diesel engine mechanism	9Y021-01870
Tractor mechanism	9Y021-18200
Diagnosis manual	9Y120-01920
Diesel particulate filter handling manual	9Y121-08130

M5091,M5111 i

RECORD OF REVISIONS

For pdf, use search function [Search word] to find all the revised locations.

Last digit of the code No.	Month of revi- sion	Main revised point and corrective measure [Search word]	Reference page
1	2020 Sep.	Addition of ROPS model content.	_
2	2022 Apr.	Corrected a typographical error in the electric circuit for Cabin.	_

ii M5091,M5111

CONTENTS

1. SAFETY

1. Preparing for emergencies 1-1 2. Working cautions 1-1 3. Starting machine safely 1-2 4. Preventing fires 1-2 5. Preventing add burns 1-3 6. Avoiding high pressure fluid 1-3 7. Avoiding hot exhaust 1-3 8. Cleaning exhaust filter 1-5 1. ROPS model 1-5 1. ROPS model 1-5 1. 1 Safety labels 1-5 2. Cabin model 1-9 2.1 Safety labels 1-9 2.1 Safety labels 1-9 2.1 Safety labels 1-9 2. Cabin model 1-14 2. GENERAL 2.1 GENERAL WORKING INSTRUCTIONS 2-1 GENERAL WORKING INSTRUCTIONS 2-1 1. General working precautions 2-1 2. Tightening bolts and nuts 2-1 3. Applying thread-locking fluid 2-1 4. Installing spirit pring pirs 2-2 5. Installing spirit pring pirs 2-2 6. Handling spilt pin 2-2 7. Handling chain joint and spilt pin 2-2 8. Handling liqu	SAFETY FIRST	1-1
2. Working cautions	1. Preparing for emergencies	1-1
3. Starting machine safely		
4. Preventing fires. 1.2 5. Preventing acid burns 1.3 6. Avoiding high pressure fluid. 1.3 7. Avoiding high pressure fluid. 1.3 8. Cleaning exhaust filter 1.4 SAFETY LABELS 1.5 1. ROPS model. 1.5 1. ROPS model. 1.5 1. Safety labels. 1.5 2. Cabin model 1.5 2. Cabin model 1.9 3. Care of danger, warning and caution labels 1.9 3. Care of danger, warning and caution labels 1.1 2. GENERAL GENERAL WORKING INSTRUCTIONS 2.1 1. General working precautions 2.1 2. Tightening bolts and nuts 2.1 3. Applying thread-locking fluid. 2.1 4. Installing circlips 2.2 5. Installing spring pins 2.2 6. Handling split pin 2.2 7. Handling split pin 2.2 7. Handling split pin 2.2 8. Handling liquid gasket 2.3 9. Replacing 0-rings 2.3 10. Replacing 10 iseals 2.3 11. Replacing floating seals 2.3 12. Connecting hydraulic hoses 2.4 13. Wrapping thread seal tape. 2.4 14. Installing uses 2.4 15. Connecting hydraulic hoses 2.4 16. Handling the battery 2.5 17. Handling with male seat 2.4 18. Handling uses 2.5 19. Handling uses 2.7 19. Handling with male seat 2.4 19. Handling uses 2.5 10. Handling with male seat 2.4 11. Installing in the seat 2.4 12. Connecting hydraulic hoses 2.4 13. Wrapping thread seal tape. 2.4 14. Installing the battery 2.5 16. Handling the battery 2.5 17. Handling with male seat 2.4 18. Handling fuses 3.2 29. The search and the seat 3.3 20. Wiring color 2.7 20. Wiring color 2.7 21. Washing the machine with a high pressure washer 2.5 22. Dispose fluids cornectly 2.9 23. Hydraulic hose fittings 3.3 23. Hydraulic hose fittings 3.3 3. Hydraul		
5. Preventing acid burns 1-3 6. Avoiding high pressure fluid. 1-3 7. Avoiding hot exhaust 1-3 8. Cleaning exhaust filter 1-4 SAFETY LABELS 1-5 1. ROPS model 1-5 1.1 Safety labels 1-5 2. Cabin model 1-9 3. Care of danger, warning and caution labels 1-9 3. Care of danger, warning and caution labels 1-14 Z GENERAL GENERAL WORKING INSTRUCTIONS GENERAL WORKING INSTRUCTIONS 2. 1 1. General working precautions 2-1 2. 1 Tightening bolts and nuts 2-1 3. Applying thread-locking fluid. 2-1 4. Installing scribing pring ins 2-2 5. Installing spring pins 2-2 6. Handling spring pins 2-2 7. Handling spring pins 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-3 12. Waspling thread seal tape 2-4 13. Waspling thread seal ta		
6. Avoiding high pressure fluid. 1-3 7. Avoiding hot exhaust		
7. Avoiding hot exhaust 1.3 8. Cleaning exhaust filter		
8. Cleaning exhaust filter		
SAFETY LABELS 1-5 1. ROPS model. 1-5 1.1 Safety labels. 1-5 2. Cabin model. 1-9 2. 1 Safety labels. 1-9 3. Care of danger, warning and caution labels 1-14 2. GENERAL GENERAL WORKING INSTRUCTIONS 1. General working precautions 2-1 2. Tightening bolts and nuts 2-1 3. Applying thread-locking fluid. 2-1 4. Installing circlips 2-2 5. Installing spring pins 2-2 6. Handling spring pins 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-3 12. Connecting hydraulic hoses 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling twe harness 2-5 17. Handling wire ha		
1. ROPS model 1.5 2. Cabin model 1.9 2. 1 Safety labels 1.9 3. Care of danger, warning and caution labels 1.9 2. GENERAL 1.1 GENERAL WORKING INSTRUCTIONS 1. General working precautions 2-1 2. Tightening bolts and nuts 2-1 3. Applying thread-locking fluid 2-1 4. Installing circlips 2-2 5. Installing spring pins 2-2 6. Handling split pin 2-2 7. Handling lend in joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing floating seals 2-3 11. Replacing floating seals 2-3 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling floese 2-7 19. Handling connectors 2-7 20. Wir		
1.1 Safety labels. 1-5 2. Cabin model 1-9 2.1 Safety labels. 1-9 3. Care of danger, warning and caution labels 1-14 2. GENERAL GENERAL WORKING INSTRUCTIONS 1. General working precautions 2-1 2. Tightening bolts and nuts. 2-1 3. Applying thread-locking fluid 2-1 4. Installing spring pins 2-2 5. Installing spring pins 2-2 6. Handling split pin 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-3 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring c		
2. Cabin model 1-9 2. 1 Safety labels 1-9 3. Care of danger, warning and caution labels 1-14 2. GENERAL GENERAL WORKING INSTRUCTIONS 2. 1. General working precautions 2-1 2. Tightening botts and nuts 2-1 3. Applying thread-locking fluid 2-1 4. Installing circlips 2-2 5. Installing spring pins 2-2 6. Handling split pin 2-2 7. Handling than joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing floating seals 2-3 11. Replacing floating seals 2-3 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling connectors 2-7 20. Wiring color 2-7 21. Washing the machine with a high pressure washer 2-8 <td></td> <td></td>		
2.1 Safety labels. 1-9 3. Care of danger, warning and caution labels 1-14 2. GENERAL 1. General working INSTRUCTIONS 2-1 1. General working precautions 2-1 2. Tightening bolts and nuts 2-1 3. Applying thread-locking fluid 2-1 4. Installing circlips 2-2 5. Installing spring pins 2-2 6. Handling spring pins 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-3 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 29. Wiring color 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dis		
3. Care of danger, warning and caution labels 2. GENERAL GENERAL WORKING INSTRUCTIONS		
2. GENERAL GENERAL WORKING INSTRUCTIONS 2-1 1. General working precautions 2-1 2. Tightening bolts and nuts 2-1 3. Applying thread-locking fluid 2-1 4. Installing circlips 2-2 5. Installing spiring pins 2-2 6. Handling split pin 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-3 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 29. Wiring color 2-7 20. Wiring color 2-7 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 29. TIGHTENING TORQUES 2-11 3. Hy		
GENERAL WORKING INSTRUCTIONS 2-1 1. General working precautions 2-1 2. Tightening bolts and nuts 2-1 3. Applying thread-locking fluid 2-1 4. Installing spring pins 2-2 5. Installing spring pins 2-2 6. Handling spilt pin 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-3 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling times 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 IGHTENING TORQUES 2-11 1. General use screws, bolts and nuts	3. Care of danger, warning and caution labels	1-14
1. General working precautions 2-1 2. Tightening bolts and nuts 2-1 3. Applying thread-locking fluid 2-1 4. Installing circlips 2-2 5. Installing spring pins 2-2 6. Handling split pin 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-3 12. Connecting hydraulic hoses 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts	2. GENERAL	
1. General working precautions 2-1 2. Tightening bolts and nuts 2-1 3. Applying thread-locking fluid 2-1 4. Installing circlips 2-2 5. Installing spring pins 2-2 6. Handling split pin 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-3 12. Connecting hydraulic hoses 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts	GENERAL WORKING INSTRUCTIONS	2-1
2. Tightening bolts and nuts. 2-1 3. Applying thread-locking fluid. 2-1 4. Installing circiligs 2-2 5. Installing spring pins. 2-2 6. Handling split pin 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing floating seals 2-3 11. Replacing floating seals 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape. 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling floses 2-7 20. Wiring color 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 IGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-13 3. Hydraulic fitting 2-13 <		
3. Applying thread-locking fluid 2-1 4. Installing circlips 2-2 5. Installing spring pins 2-2 6. Handling split pin 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 11. General use screws, bolts and nuts 2-11 2. Stud bolts 2-11 3. Hydraulic fitting 2-13 3.1 Hydraulic pipe cap nuts 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others <td< td=""><td></td><td></td></td<>		
4. Installing circlips 2-2 5. Installing spring pins 2-2 6. Handling split pin 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing losting seals 2-3 11. Replacing floating seals 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling fuses 2-5 18. Handling fuses 2-7 19. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-13 3.1 Hydraulic pipe cap nuts 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15		
5. Installing spring pins 2-2 6. Handling split pin 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 IGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-13 3. Hydraulic fitting 2-13 3.1 Hydraulic pipe cap nuts 2-13 3.2 Hydraulic pipe cap nuts 2-13 4. Metric screws, bolts and nuts 2-15		
6. Handling split pin 2-2 7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-13 3.1 Hydraulic pipe cap nuts 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and n		
7. Handling chain joint and split pin 2-2 8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling fuses 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15		
8. Handling liquid gasket 2-3 9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3. 1 Hydraulic pipe cap nuts 2-13 3. 2 Hydraulic pipe cap nuts 2-13 4. Metric screws, bolts and nuts 2-13 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION <td></td> <td></td>		
9. Replacing O-rings 2-3 10. Replacing oil seals 2-3 11. Replacing floating seals 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic pipe cap nuts 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-13 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATI		
10. Replacing oil seals 2-3 11. Replacing floating seals 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and		
11. Replacing floating seals 2-4 12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
12. Connecting hydraulic hoses 2-4 13. Wrapping thread seal tape 2-4 14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-11 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
13. Wrapping thread seal tape		
14. Installing elbows with male seat 2-4 15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-13 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
15. Connecting and disconnecting quick hose couplings 2-5 16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic pipe cap nuts 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
16. Handling the battery 2-5 17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
17. Handling wire harness 2-5 18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
18. Handling fuses 2-7 19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
19. Handling connectors 2-7 20. Wiring color 2-8 21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
20. Wiring color		
21. Washing the machine with a high pressure washer 2-8 22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
22. Dispose fluids correctly 2-9 TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
TIGHTENING TORQUES 2-11 1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
1. General use screws, bolts and nuts 2-11 2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
2. Stud bolts 2-12 3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
3. Hydraulic fitting 2-13 3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
3.1 Hydraulic hose fittings 2-13 3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
3.2 Hydraulic pipe cap nuts 2-13 3.3 Adapters, elbows and others 2-13 4. Metric screws, bolts and nuts 2-15 5. American standard screws, bolts and nuts with UNC or UNF threads 2-15 6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
3.3 Adapters, elbows and others		
4. Metric screws, bolts and nuts		
5. American standard screws, bolts and nuts with UNC or UNF threads		
6. Plugs 2-15 GENERAL MACHINE INFORMATION 2-17 1. Model name and serial number 2-17		
GENERAL MACHINE INFORMATION2-17 1. Model name and serial number2-17		
1. Model name and serial number2-17	6. Plugs	2-15
1.1 Tractor number2-17		
	1.1 Tractor number	2-17

It's a preview. You can download the full file by clicking the link below.

https://shopservicemanual.com/

Service Manuals from 2\$