Foreword - Important notice regarding equipment servicing

All repair and maintenance work listed in this manual must be carried out only by qualified dealership personnel, strictly complying with the instructions given, and using, whenever possible, the special tools.

Anyone who performs repair and maintenance operations without complying with the procedures provided herein shall be responsible for any subsequent damages.

The manufacturer and all the organizations of its distribution chain, including - without limitation - national, regional, or local dealers, reject any responsibility for damages caused by parts and/or components not approved by the manufacturer, including those used for the servicing or repair of the product manufactured or marketed by the manufacturer. In any case, no warranty is given or attributed on the product manufactured or marketed by the manufacturer in case of damages caused by parts and/or components not approved by the manufacturer.

The manufacturer reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions, and illustrative material herein are as accurate as known at time of publication but are subject to change without notice.

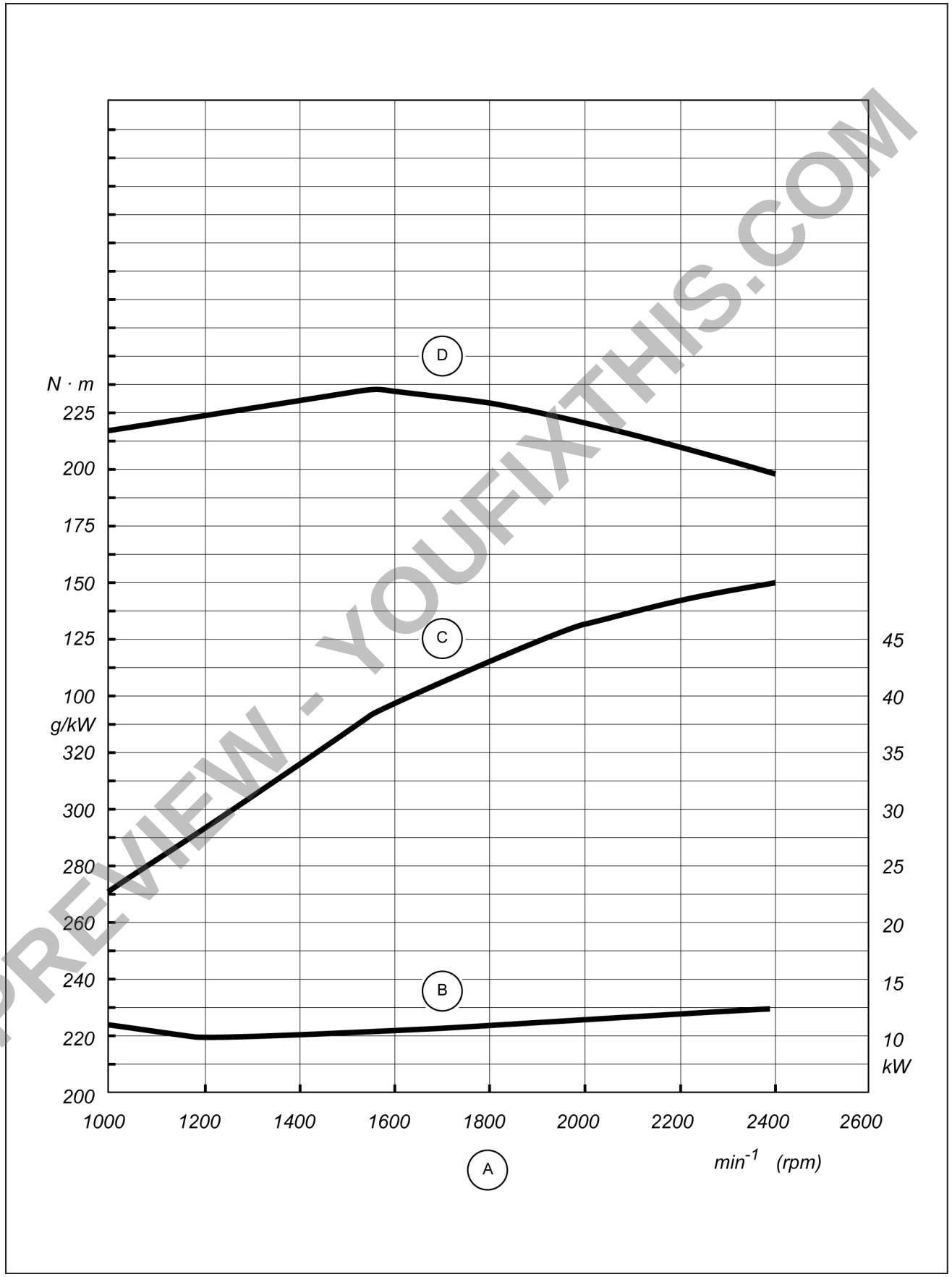
In case of questions, refer to your NEW HOLLAND CONSTRUCTION Sales and Service Networks.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Engine - Engine horse power

Performances

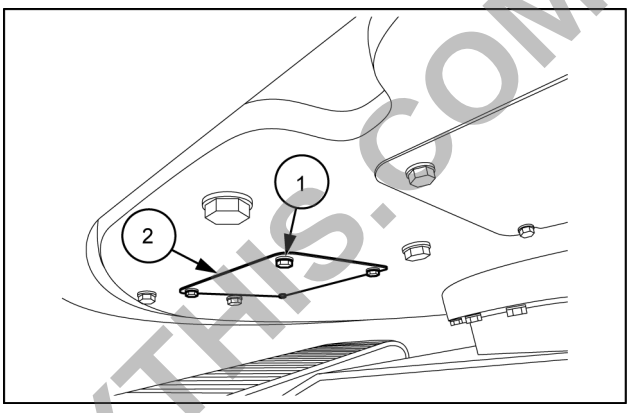


SMIL17MEX0467HB 1

PREVIEW - YOUFIXTHIS.COM

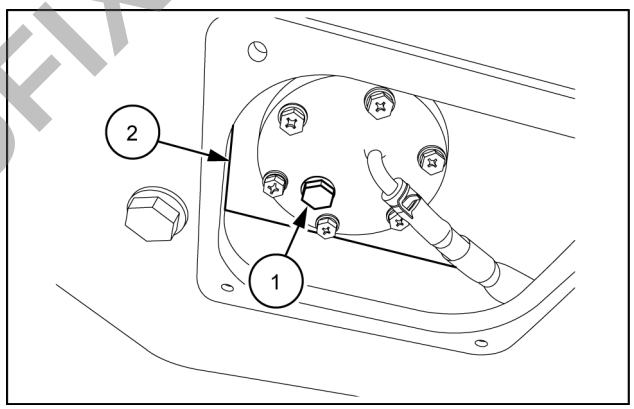
Download full manual at youfixthis.com

1. Set the battery disconnect switch to O position (OFF position) to cut off any power supply in the electrical system of the machine (refer to **Mechanical battery isolator - Dynamic description (55.302)**).
2. Tilting the cab (refer to **Cab tilting system - Service instruction (90.150)**)
3. Remove the rear side panel (refer to **Side panels - Remove (90.100)**)
4. Use a wrench [**13 mm**] to remove the four bolts **(1)** and then remove the under cover **(2)** fuel tank.



SMIL16MEX3752AB 1

5. Place a receptacle of a suitable capacity under the drain plug **(1)**.
6. Use a wrench [**19 mm**] to remove the drain plug **(1)** located at the bottom of the tank **(2)** and drain the fuel.
7. After draining, close the drain plug **(1)**.



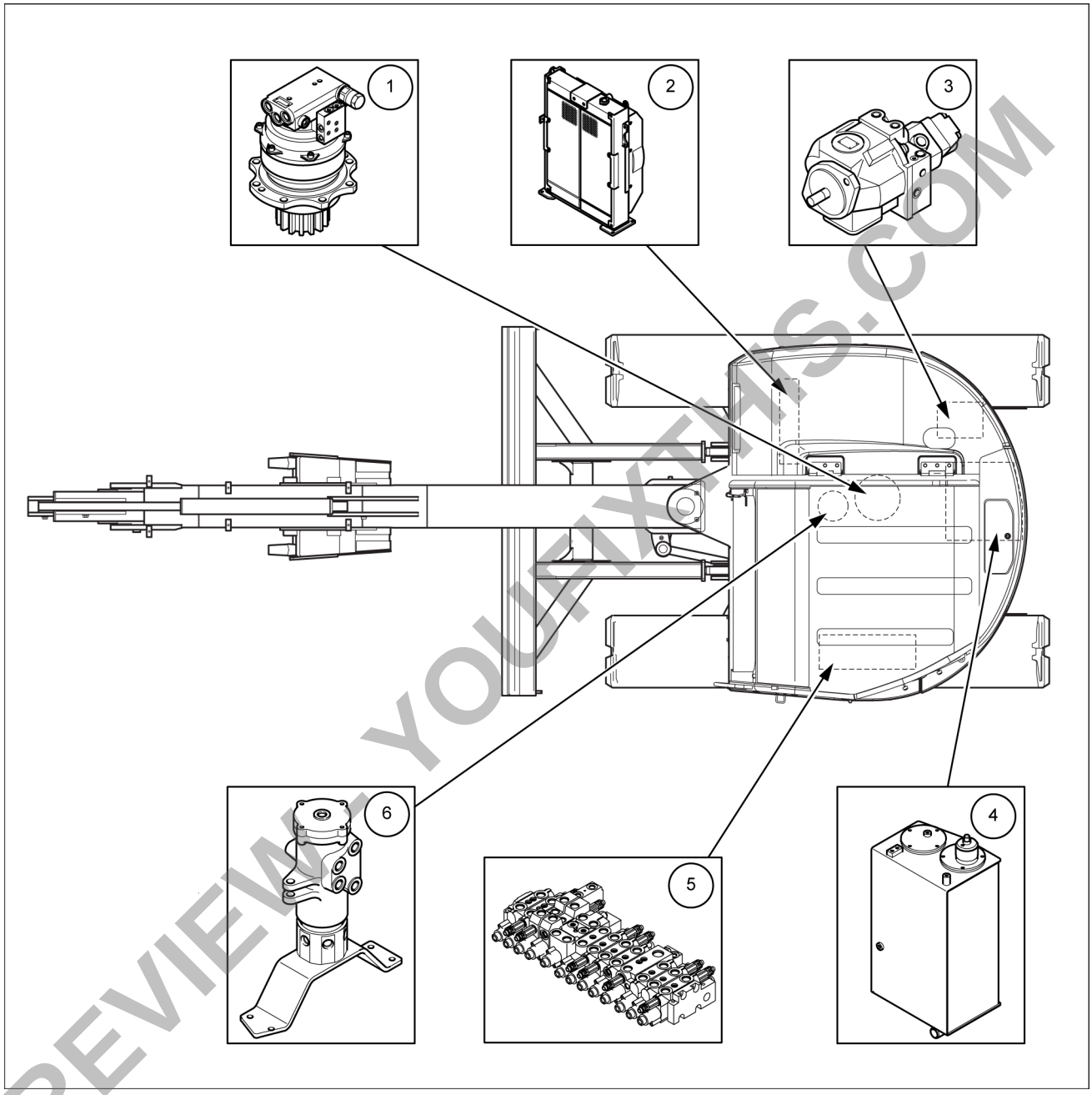
SMIL16MEX3753AB 2

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Hydraulic systems - Overview

Top view



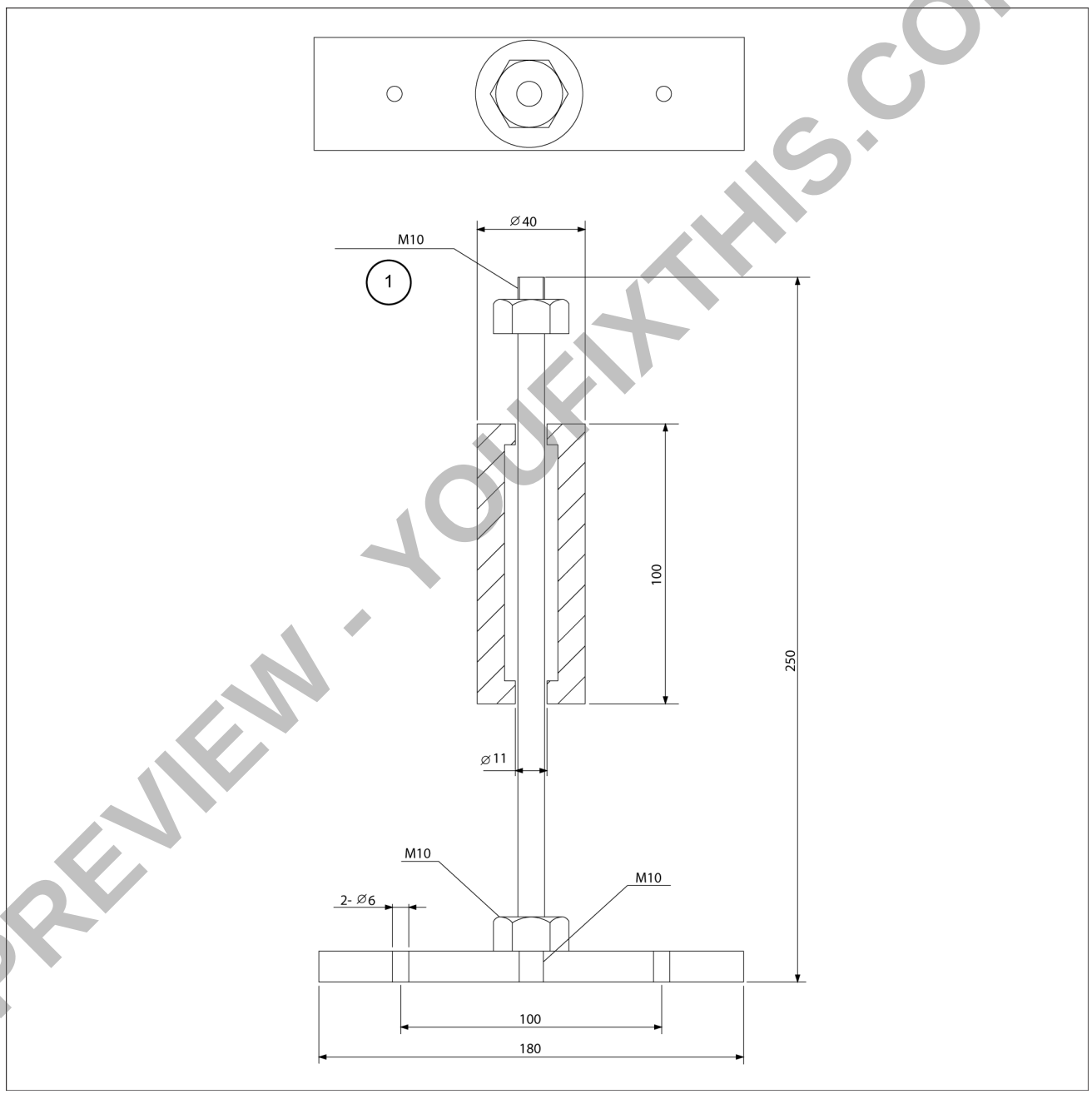
SMIL18MEX0476GB 1

	Component	Reference
1.	Hydraulic swing motor	• **Hydraulic swing system - Overview (35.352)** • **Hydraulic swing system - Dynamic description (35.352)**
2.	Hydraulic oil cooler	–
3.	Main pump	• **Pump - Overview (35.106)** • **Pump - Dynamic description (35.106)**
4.	Hydraulic oil reservoir	–
5.	Main control valve	• **Main control valve - Overview (35.359)** • **Main control valve - Dynamic description (35.359)**
6.	Hydraulic swivel	• **Hydraulic swivel - Sectional view (35.354)**

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Tool	Specification
Plier (For lock ring)	For Ø25 axis
Driver	(-) Type : 2EA
Steel rod	About 10×8×200 : 1EA
Hammer	One each of plastic hammer and metal hammer
Torque wrench	Torque range **9.8 – 44.13 N·m** (**7.23 – 32.55 lb ft**) **39.26 – 175.52 N·m** (**28.96 – 129.46 lb ft**) **117.68 – 470.71 N·m** (**86.80 – 347.18 lb ft**)
Slide hammer bearing plier	–



SMIL16MEX2639GB 1

Special tool for removing the brake piston

1. Effectiveness screw length: **20 mm** (**0.8 in**)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Counterweight - Remove

⚠ WARNING

Avoid injury!
Shut off the engine, remove the key, and make sure all machine motion stops before you service the machine.
Failure to comply could result in death or serious injury.

W1128B

⚠ WARNING

Avoid injury!
Use Personal Protective Equipment (PPE), including protective goggles, gloves, and safety footwear.
Failure to comply could result in death or serious injury.

W1036A

⚠ WARNING

Crushing hazard!
The lifting systems must be operated by qualified personnel who are aware of the correct procedures to follow. Make sure all lifting equipment is in good condition, and all hooks are equipped with safety latches.
Failure to comply could result in death or serious injury.

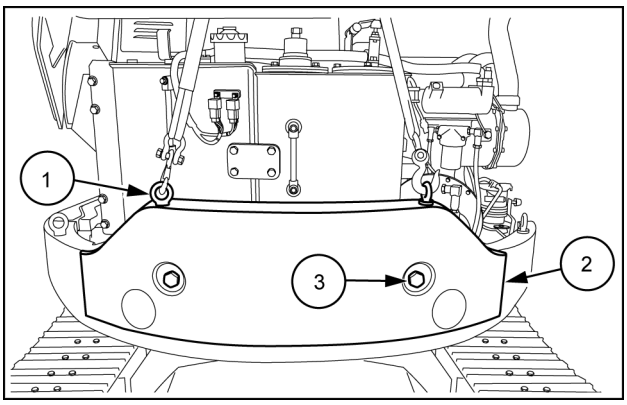
W0256A

⚠ WARNING

Heavy objects!
Lift and handle all heavy components using lifting equipment with adequate capacity. Always support units or parts with suitable slings or hooks. Make sure the work area is clear of all bystanders.
Failure to comply could result in death or serious injury.

W0398A

1. Tilting the cab (refer to **Cab tilting system - Service instruction (90.150)**).
2. Remove the Rear Side Panel (refer to **Side panels - Remove (90.100)**).
3. Remove the caps and install the shackles **(1)** M16 on the additional counterweight.
4. Use the chains or wire ropes and lift-crane to secure the additional counterweight so that it does not fall during removal operations.
5. Use a wrench [**38 mm**] to remove the two bolts **(3)** of the additional counterweight **(2)**.

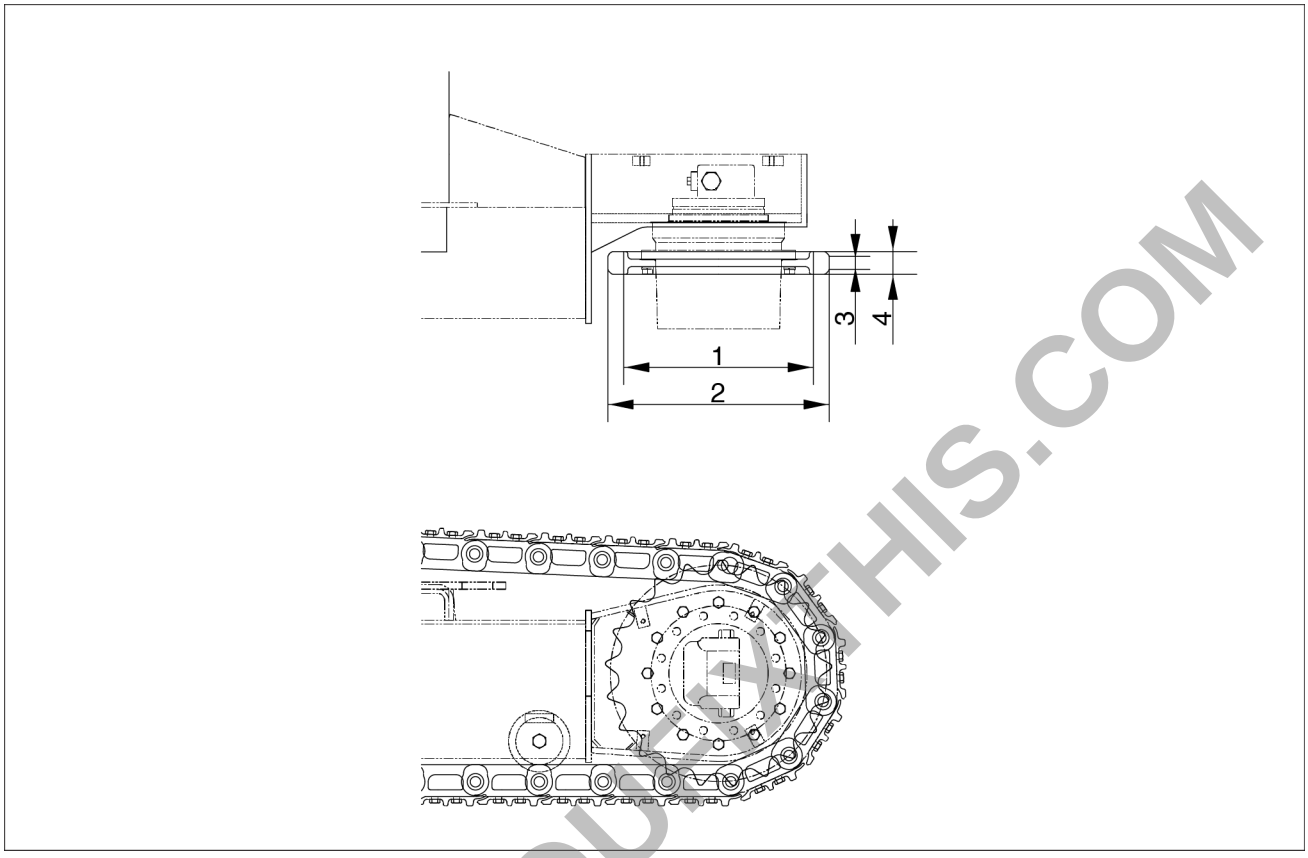


SMIL16MEX3686AB 1

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Sprocket - Service limits



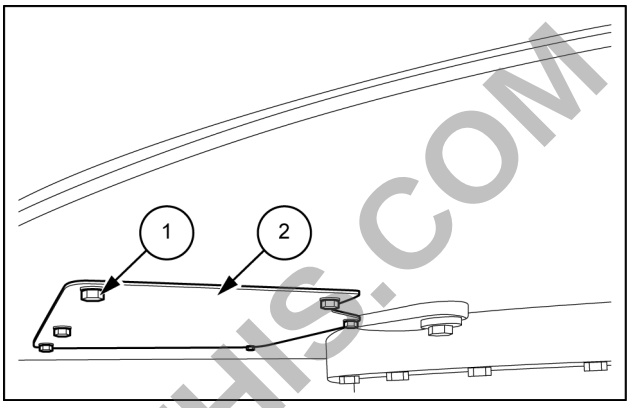
SMIL16MEX1814FA 1

Code	Check item	Standard size	Repair limit	Solution
1	Wear out of the sprocket tooth lower side diameter	**418.6 mm** (**16.480 in**)	**412 mm** (**16.220 in**)	Repair or replace
2	Wear out of the sprocket tooth upper side diameter	**476 mm** (**18.740 in**)	–	
3	Wear out of the sprocket tooth upper side width	**33.5 mm** (**1.319 in**)	–	
4	Wear out of the sprocket tooth lower side width	**40 mm** (**1.575 in**)	**34 mm** (**1.339 in**)	

PREVIEW - YOUFIXTHIS.COM

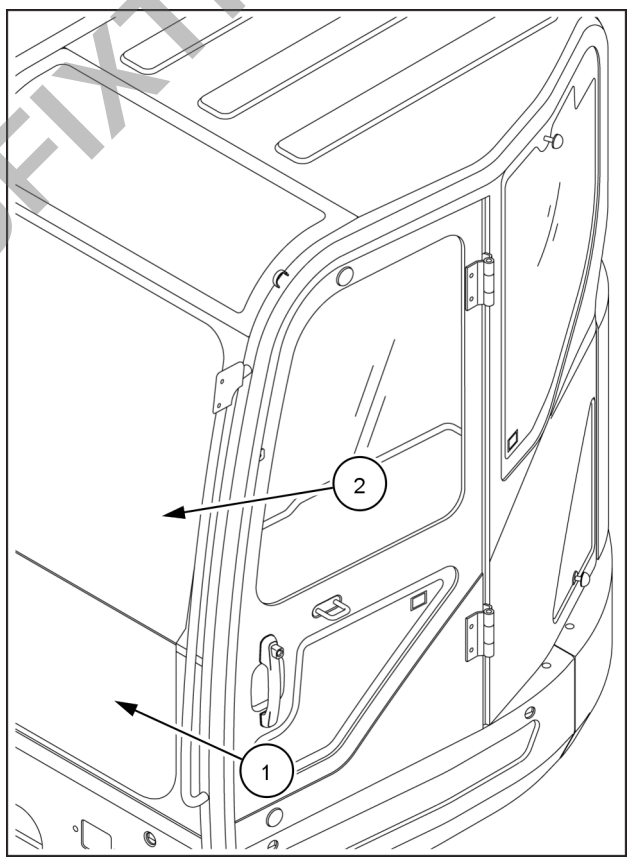
Download full manual at youfixthis.com

1. Discharge the air conditioning system (refer to **Air conditioning - Discharging (50.200)**).
2. Set the battery disconnect switch to O position (OFF position) to cut off any power supply in the electrical system of the machine (refer to **Mechanical battery isolator - Dynamic description (55.302)**).
3. Use a wrench [**17 mm**] to remove the bolts **(1)** and then remove the under cover **(2)**.



SMIL17MEX0201AB 1

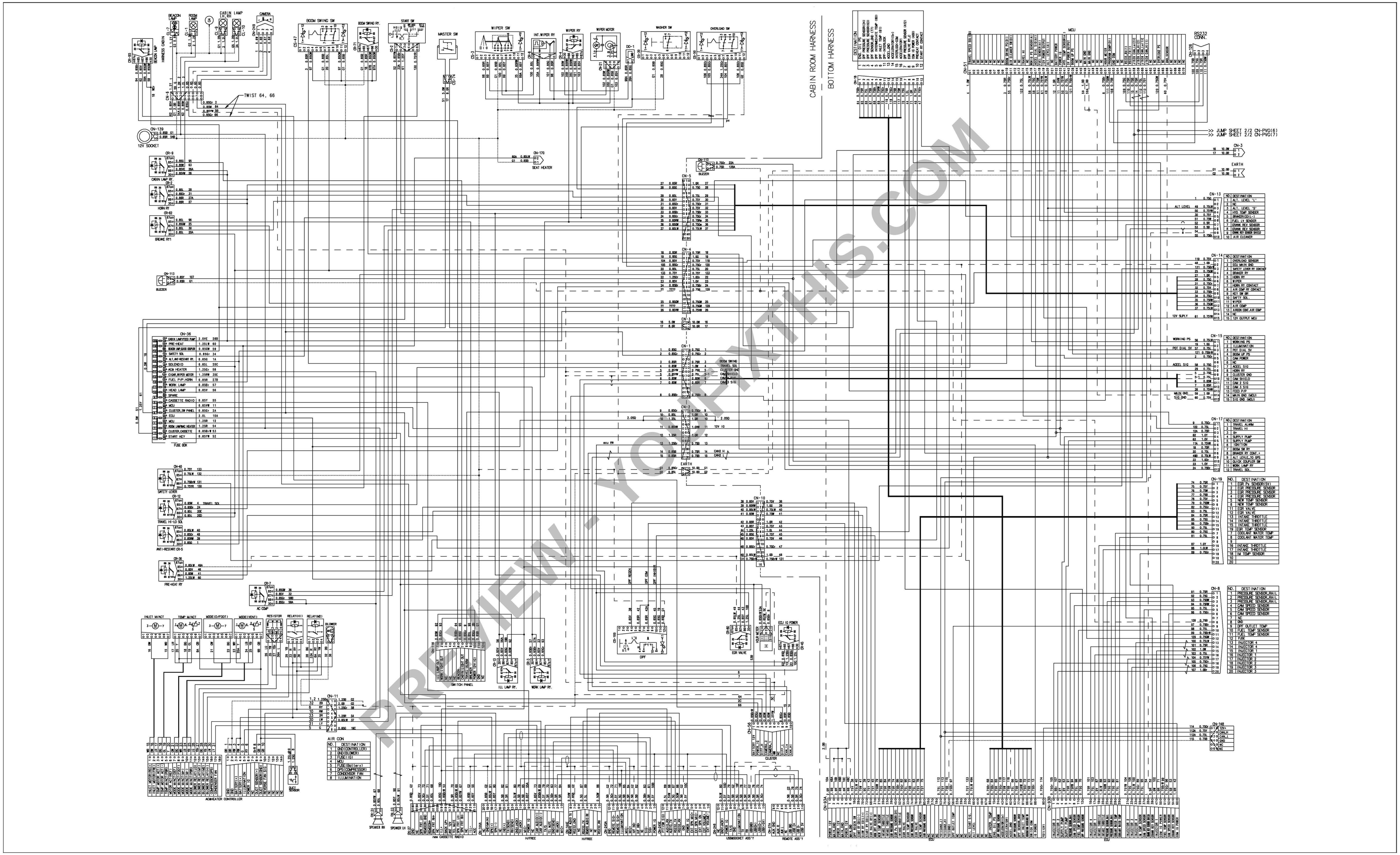
4. Push the windshield upward **(2)**.
5. Remove the cab front glass **(1)**.



SMIL18MEX0191BA 2

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

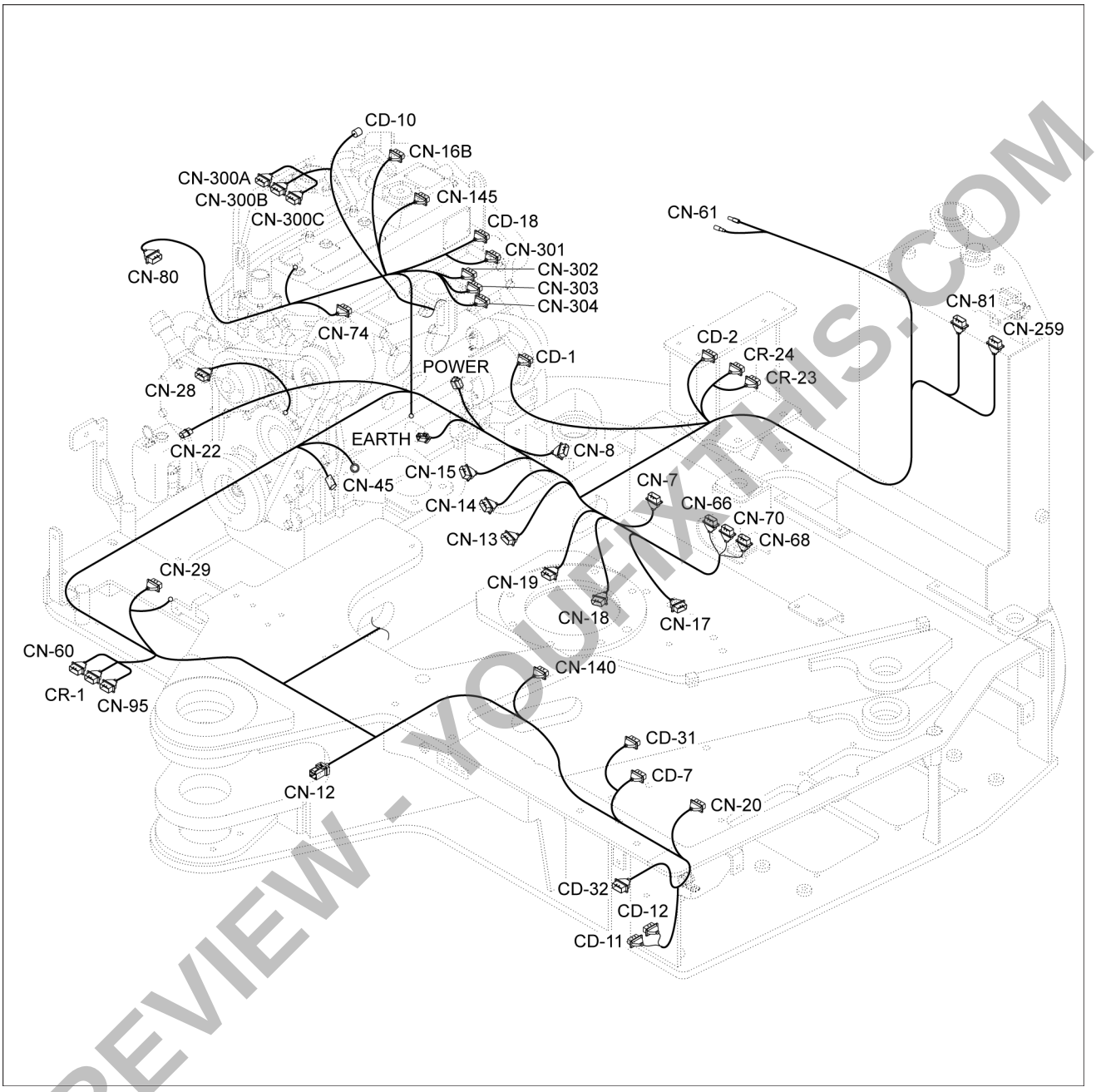


SMIL19MEX0438JA 1

Download full manual at youfixthis.com

Harnesses and connectors - Component localization

Main harness



SMIL18MEX0664GA 1

Component	Connector	Connector type
Hydraulic oil temperature sensor • **Electrical system - Component identification - Hydraulic oil temperature sensor (55.000)**	**CD-1**	AMP
Fuel level sensor • **Electrical system - Component identification - Fuel level sensor (55.000)**	**CD-2**	AMP
Auto idle pressure sensor • **Electrical system - Component identification - Auto idle pressure sensor (55.000)**	**CD-7**	DEUTSCH

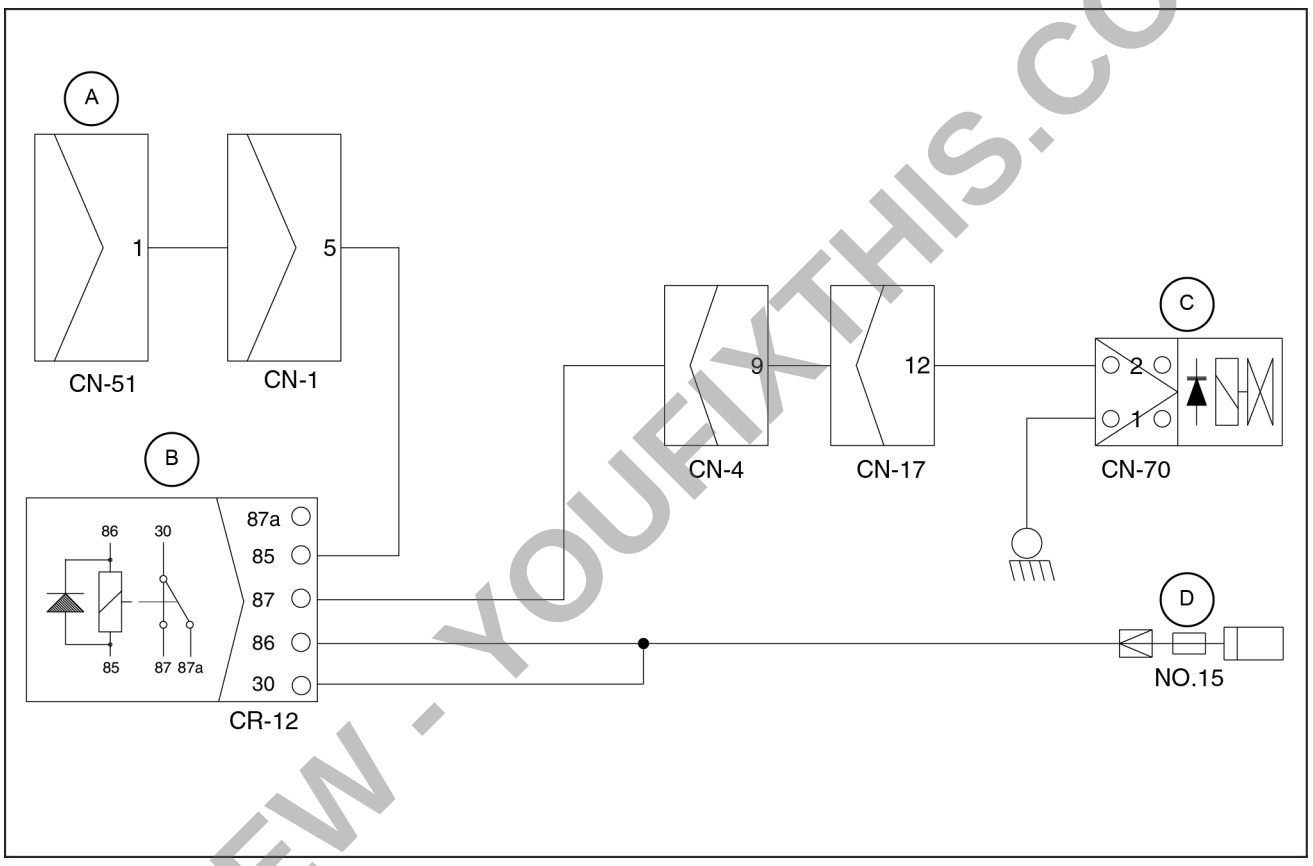
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Speed control switch - Service instruction - Troubleshooting

Travel speed 1, 2 malfunction

- Before disconnecting the connector, always turn OFF the starter switch.
- Before carrying out below procedure, check all the related connectors are properly inserted and short fuse No. 15.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



SMIL16MEX2139FA 1

A. Machine Control Unit (MCU)
B. Travel HI-LO solenoid relay
C. Travel solenoid
D. Fuse

Turn ON the starter switch.

1. Check the variation of the travel speed lamp when pressing the travel speed switch.
   A. If the travel speed lamp change, proceed to step 2.
   B. If the travel speed lamp do not change, the cluster is defective. Replace it (refer to **Instrument cluster - Remove (55.408)**).

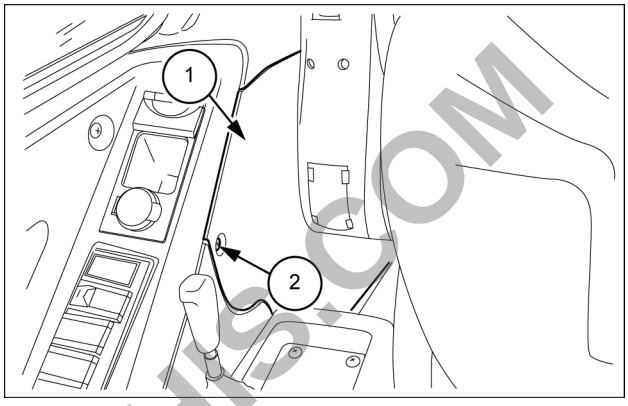
2. Turn ON the starter switch.
   Disconnect the **CN-51** connector.
   Measure the voltage between the terminal 1 of the **CN-51** connector and the ground.
   A. If the voltage is within **10 – 12.5 V**, proceed to step 3.

3. Press and release the travel speed switch to check the operative of the solenoid.
   A. If the solenoid is not operative, proceed to step 4.
   B. If the solenoid is operative, the hydraulic system is defective. Check the hydraulic system.

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

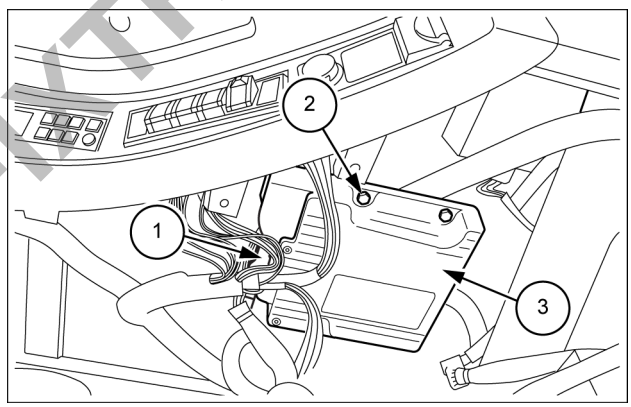
Electronic modules - Remove - Machine Control Unit (MCU)

1. Set the battery disconnect switch to O position (OFF position) to cut off any power supply in the electrical system of the machine (refer to **Mechanical battery isolator - Dynamic description (55.302)**).
2. Use a screwdriver to remove the three screws **(2)** and remove the cover **(1)**.



SMIL16MEX2888AB 1

3. Disconnect the electrical connector **CN-51 (1)** from the MCU **(3)**.
4. Remove the four bolts **(2)** and remove the MCU **(3)**.



SMIL16MEX2884AB 2

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

51-3 - Intake throttle position sensor – Error (high voltage)

Context:
The intake throttle position sensor detects a voltage above normal or it is shorted to power supply (or there is an open circuit). After 2 hours, the maximum injection amount limit changes from **85%** to **50%**. The sensor default value is **100%**.

Cause:
The Engine Control Unit (ECU) detects a voltage signal from the intake throttle position sensor greater than the threshold value of **4.8 V** for more than **500 ms**.

Possible failure modes:

1. The harness or the connectors are damaged or the connectors are not fully installed.
2. The signal of the intake throttle position sensor is shorted to high source.
3. There is an open circuit between ECU **CN-93A** and the intake throttle position sensor.
4. The intake throttle position sensor is defective.
5. The ECU is defective.

Solution:

1. Verify that the fault is present and active.

   Use the diagnostic tool to check the status of this fault.

   A. If the fault is no longer present or in an inactive state, the fault may be intermittent and not currently active.

   B. If the fault is present and active, continue with Step **2**.
2. Check the integrity of the harness and the connectors.

   Visually inspect the relevant harness and connector for damage, bent or dislocated pins, corroded terminals or broken wires. Verify that the connectors are fully installed. Flex the harness involved to revel intermittent breaks or shorts in the wiring concerned. Operate the machine while you monitor the display.

   A. If you find damage or the display indicates other than normal display readings, repair the damage discovered during the inspection or locate and repair the other than normal display condition and verify that the error has been resolved.

   B. If you do not find damage and the display indicates only normal readings, continue with Step **3**.
3. Check the integrity of the intake throttle position sensor.

   The key must be in the OFF position.

   Disconnect INTAKE THROTTLE connector.

   Using a multimeter, measure the resistance value between the intake throttle position sensor terminals 5 and 6:

From	To	Value
INTAKE THROTTLE pin 5	INTAKE THROTTLE pin 6	Resistance **0 Ω** < R < **1 MΩ**

   A. If the resistance is about **0 Ω**, there is an internal short circuit in the intake throttle position sensor. If the resistance is more than **1 MΩ** there is an internal open circuit. Replace the sensor and proceed with DPF regeneration.

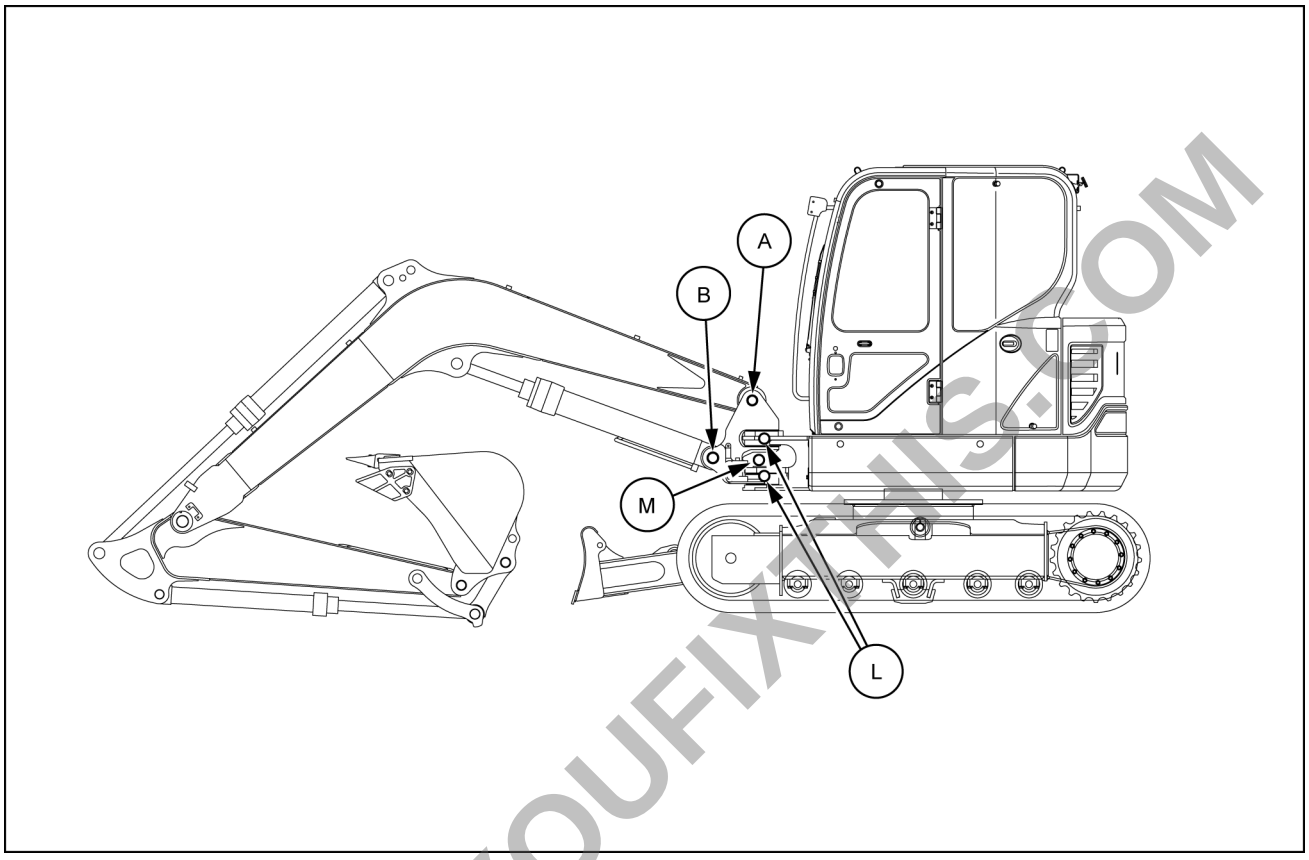
   B. If the resistance is near the nominal value, continue with Step **4**.
4. Check the INTAKE THROTTLE signal circuit for a short key battery power condition.

   The key must be in the ON position.

   Connect INTAKE THROTTLE connector.

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

Boom pivoting support - Service limits - Cylinders pins and bushings



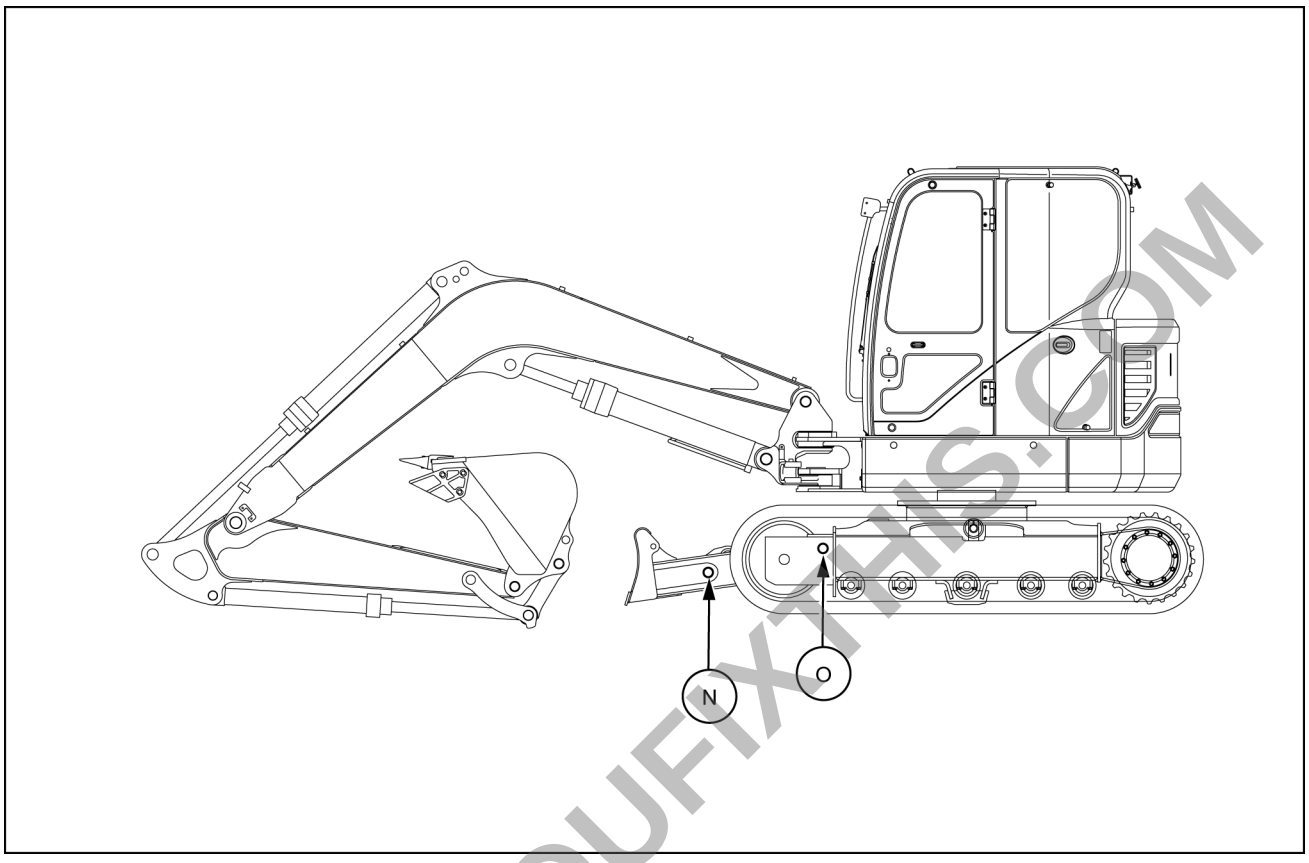
SMIL19MEX0505FB 1

Item	Measuring point	Standard value	Pin service limit	Pin limit of use	Bushing service limit	Bushing limit of use	Action
(A)	Boom rear	**55 mm (2.17 in)**	**54 mm (2.13 in)**	**53.5 mm (2.11 in)**	**55.5 mm (2.19 in)**	**56 mm (2.20 in)**	Replace
(B)	Boom cylinder head	**60 mm (2.36 in)**	**59 mm (2.32 in)**	**58.5 mm (2.30 in)**	**60.5 mm (2.38 in)**	**61 mm (2.40 in)**	Replace
(L)	Boom swing post	**110 mm (4.33 in)**	**109 mm (4.29 in)**	**108.5 mm (4.27 in)**	**110.5 mm (4.35 in)**	**111 mm (4.37 in)**	Replace
(M)	Boom swing cylinder	**50 mm (1.97 in)**	**49 mm (1.93 in)**	**48.5 mm (1.91 in)**	**50.5 mm (1.99 in)**	**51 mm (2.01 in)**	Replace

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Dozer blade - Service limits - Cylinders pins and bushings



SMIL19MEX0510FB 1

Item	Measuring point	Standard value	Pin service limit	Pin limit of use	Bushing service limit	Bushing limit of use	Action
(N)	Blade cylinder	**55 mm (2.17 in)**	**54 mm (2.13 in)**	**53.5 mm (2.11 in)**	**55.5 mm (2.19 in)**	**56 mm (2.20 in)**	Replace
(O)	Blade and frame link	**35 mm (1.38 in)**	**34 mm (1.34 in)**	**33.5 mm (1.32 in)**	**35.5 mm (1.40 in)**	**36 mm (1.42 in)**	Replace

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Cab and platform - Remove

⚠ WARNING

Avoid injury!
Shut off the engine, remove the key, and make sure all machine motion stops before you service the machine.
Failure to comply could result in death or serious injury.

W1128B

⚠ WARNING

Avoid injury!
Use Personal Protective Equipment (PPE), including protective goggles, gloves, and safety footwear.
Failure to comply could result in death or serious injury.

W1036A

⚠ WARNING

Crushing hazard!
The lifting systems must be operated by qualified personnel who are aware of the correct procedures to follow. Make sure all lifting equipment is in good condition, and all hooks are equipped with safety latches.
Failure to comply could result in death or serious injury.

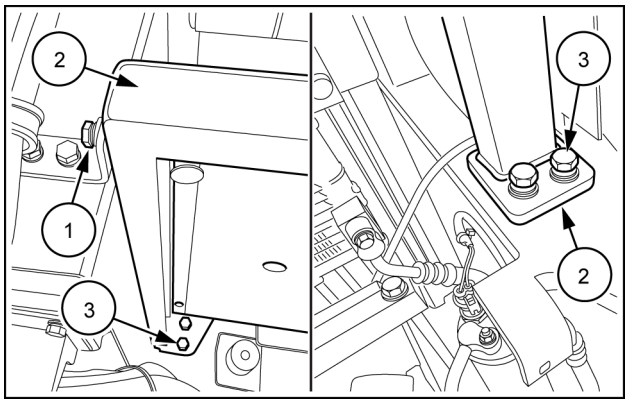
W0256A

⚠ WARNING

Heavy objects!
Lift and handle all heavy components using lifting equipment with adequate capacity. Always support units or parts with suitable slings or hooks. Make sure the work area is clear of all bystanders.
Failure to comply could result in death or serious injury.

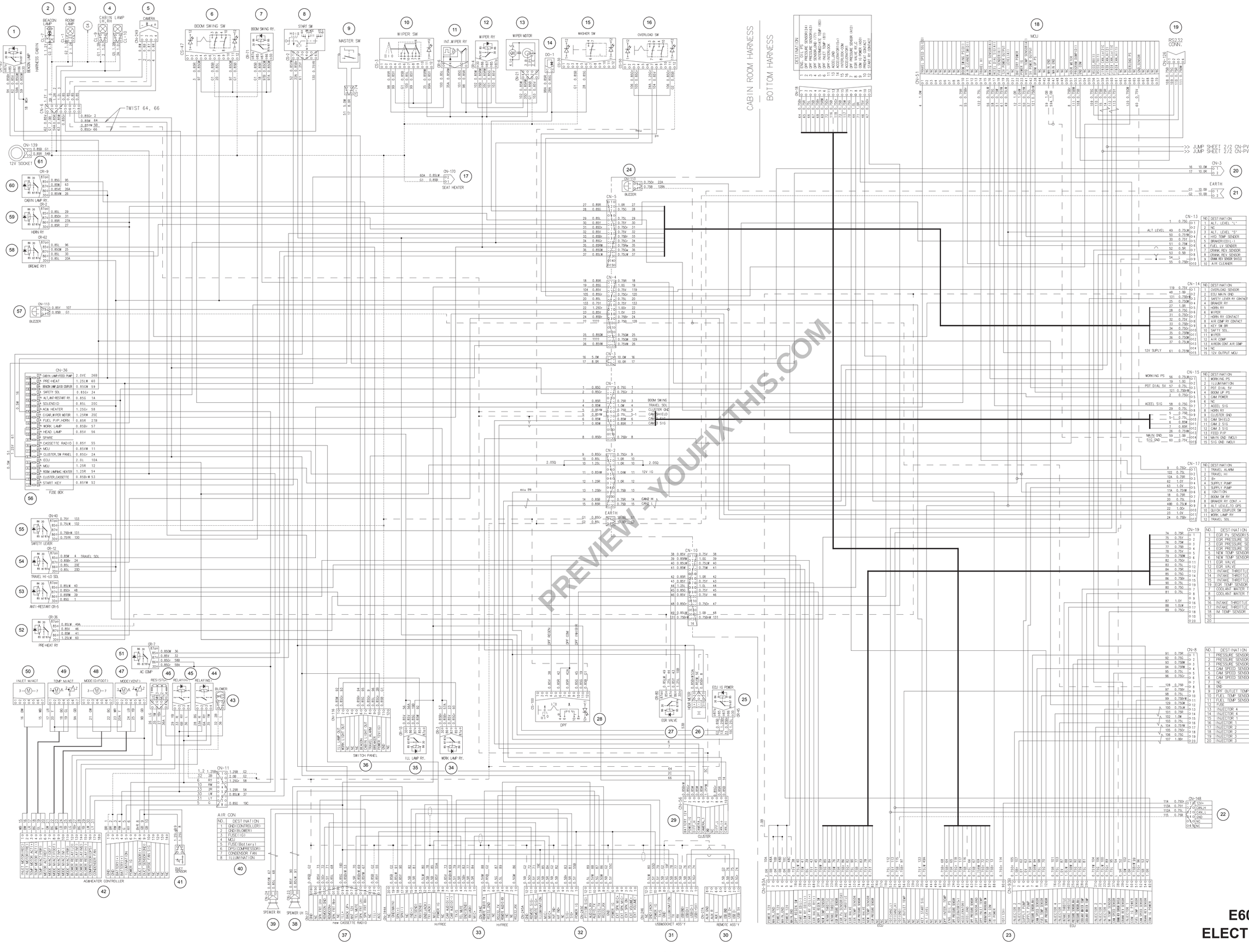
W0398A

1. Discharge the air conditioning system (refer to **Air conditioning - Discharging (50.200)**).
2. Set the battery disconnect switch to O position (OFF position) to cut off any power supply in the electrical system of the machine (refer to **Mechanical battery isolator - Dynamic description (55.302)**).
3. Remove the engine hood (refer to **Engine hood - Remove (90.105)**).
4. Remove the left-hand side panel (refer to **Side panels - Remove (90.100)**).
5. Tilting the cab (refer to **Cab tilting system - Service instruction (90.150)**).
6. Use a wrench [**17 mm**] to remove the bolt **(1)** and then separate the bracket engine hood **(2)** from the oil reservoir.
7. Use a wrench [**19 mm**] to remove the four bolts **(3)**.



SMIL16MEX3698AB 1

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com



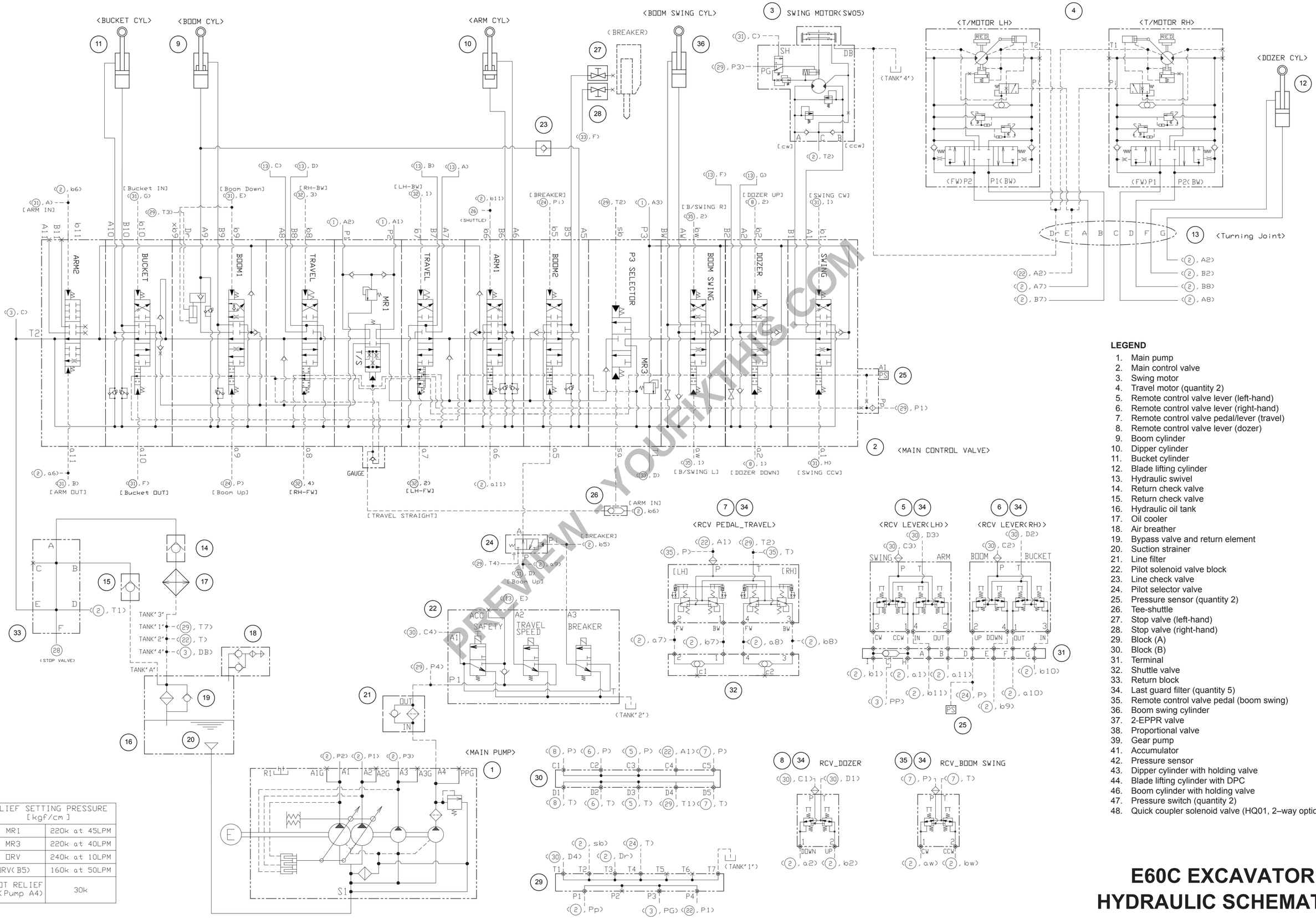
LEGEND

1. Beacon lamp relay
2. Beacon lamp
3. Room lamp
4. Cab lamps
5. Camera
6. Boom swing switch
7. Boom swing relay
8. Starter switch
9. Master switch
10. Wiper switch
11. Int. wiper relay
12. Wiper realy
13. Wiper motor
14. Diode
15. Washer switch
16. Overload switch
17. Seat heater switch
18. Machine Control Unit (MCU)
19. RS232 connector
20. Power connector
21. Ground
22. Service tool
23. Engine Control Unit (ECU)
24. Buzzer
25. ECU IG power
26. Hour meter
27. EGR valve
28. Diesel Particulate Filter (DPF) switch
29. Cluster
30. Remote assembly
31. USB and socket assembly
32. Remote controller assembly
33. Bluetooth handfree
34. Work lamp relay
35. Illumination lamp relay
36. Switch panel
37. Radio
38. Speaker (left)
39. Speaker (right)
40. Air-conditioning
41. Duct sensor
42. Air-conditioning and heater controller
43. Blower
44. Relay (M2)
45. Relay (HI)
46. Resistor
47. Mode (Vent) motor actuator
48. Mode (D/Foot) motor actuator
49. Temperature motor actuator
50. Inlet motor actuator
51. Air-conditioning compressor relay
52. Pre-heater relay
53. Anti-restart relay
54. Travel HI-LO solenoid relay
55. Safety lever
56. Fuse box
57. Buzzer
58. Breaker relay
59. Horn relay
60. Cabin lamp relay
61. 12V socket
62. Quick coupler switch
63. Safety switch
64. Console box
65. Cigar lighter
66. Accelerator dial
67. Hydraulic oil temperature sensor
68. Safety solenoid valve
69. Washer pump
70. Fuel filler pump
71. Fusible link
72. Battery relay
73. Battery
74. Horn
75. Air cleaner switch
76. Fuel level sensor
77. Air-conditioning compressor
78. Receiver dryer
79. Breaker solenoid valve
80. Auto idle pressure switch
81. Boom up pressure switch
82. Fuel feed pump
83. Diode
84. Overload pressure switch
85. Alternator
86. Diode
87. Resistor
88. Engine starter
89. Engine start relay
90. Air-heater relay
91. Pre-heater
92. Engine oil pressure switch
93. Resistor
94. DPF pressure sensor
95. DPF middle temperature sensor
96. DPF inlet temperature sensor
97. Work lamps
98. GPS
99. Quick coupler solenoid valve
100. Travel HI-LO solenoid valve
101. Travel alarm pressure switches
102. Travel buzzer
103. Auxiliary camera
104. EPPR controller
105. Service tool
106. EPPR controller
107. Left-hand EPPR switch
108. Right-hand EPPR switch
109. 4-way EPPR harness
110. Accelerator sensor 1
111. Rotating valves
112. 2-way EPPR harness

E60C EXCAVATOR ELECTRICAL SCHEMATIC

51663432EN - 1/2

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com



RELIEF SETTING PRESSURE [kgf/cm]	
MR1	220k at 45LPM
MR3	220k at 40LPM
ORV	240k at 10LPM
ORV(B5)	160k at 50LPM
PILOT RELIEF V/V(Pump A4)	30k

LEGEND

1. Main pump
2. Main control valve
3. Swing motor
4. Travel motor (quantity 2)
5. Remote control valve lever (left-hand)
6. Remote control valve lever (right-hand)
7. Remote control valve pedal/lever (travel)
8. Remote control valve lever (dozer)
9. Boom cylinder
10. Dipper cylinder
11. Bucket cylinder
12. Blade lifting cylinder
13. Hydraulic swivel
14. Return check valve
15. Return check valve
16. Hydraulic oil tank
17. Oil cooler
18. Air breather
19. Bypass valve and return element
20. Suction strainer
21. Line filter
22. Pilot solenoid valve block
23. Line check valve
24. Pilot selector valve
25. Pressure sensor (quantity 2)
26. Tee-shuttle
27. Stop valve (left-hand)
28. Stop valve (right-hand)
29. Block (A)
30. Block (B)
31. Terminal
32. Shuttle valve
33. Return block
34. Last guard filter (quantity 5)
35. Remote control valve pedal (boom swing)
36. Boom swing cylinder
37. 2-EPPR valve
38. Proportional valve
39. Gear pump
41. Accumulator
42. Pressure sensor
43. Dipper cylinder with holding valve
44. Blade lifting cylinder with DPC
46. Boom cylinder with holding valve
47. Pressure switch (quantity 2)
48. Quick coupler solenoid valve (HQ01, 2–way option)

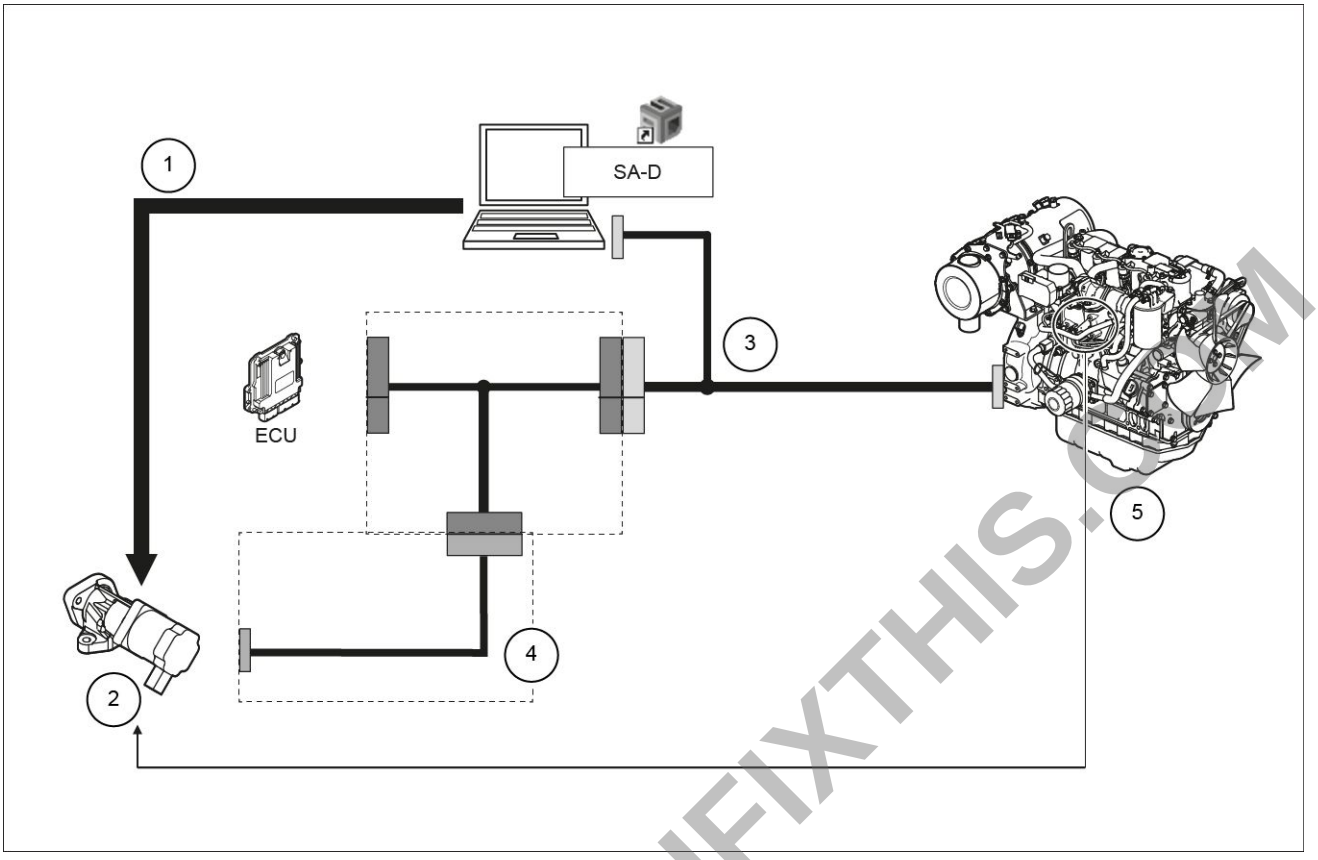
E60C EXCAVATOR HYDRAULIC SCHEMATIC

51663435EN - 1/2

Download full manual at youfixthis.com

[35.736] Boom hydraulic system 35.11
[35.737] Dipper hydraulic system 35.12
[35.738] Excavator and backhoe bucket hydraulic system 35.13
[35.734] Tool quick coupler hydraulic system 35.14
[35.360] Hammer and rotating bucket hydraulic system 35.15
[35.739] Swing arm hydraulic system 35.16
[35.741] Dozer blade cylinders 35.17
Frames and ballasting 39
[39.140] Ballasts and supports 39.1
Tracks and track suspension 48
[48.130] Track frame and driving wheels 48.1
[48.100] Tracks 48.2
[48.134] Track tension units 48.3
[48.138] Track rollers 48.4
Cab climate control 50
[50.100] Heating 50.1
[50.200] Air conditioning 50.2
Electrical systems 55
[55.000] Electrical system 55.1
[55.100] Harnesses and connectors 55.2
[55.525] Cab engine controls 55.3
[55.015] Engine control system 55.4
[55.201] Engine starting system 55.5
[55.301] Alternator 55.6
[55.302] Battery 55.7
[55.011] Fuel tank system 55.8
[55.014] Engine intake and exhaust system 55.9
[55.012] Engine cooling system 55.10

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com



SMIL16MEX3462FB 2

1. Active control
2. EGR valve
3. Engine harness
4. Harness for EGR valve cleaning
5. Engine

EGR active control

Connect the engine diagnostic tool to the engine wire harness.

- Before forcibly activating the EGR, check for errors that affect the fully closing process of the EGR. How to check: Press “Defect Display” and “Current Defect”. If the error is displayed, go to 6-(1). If no error is displayed, go to 6-(2).

6–(1)

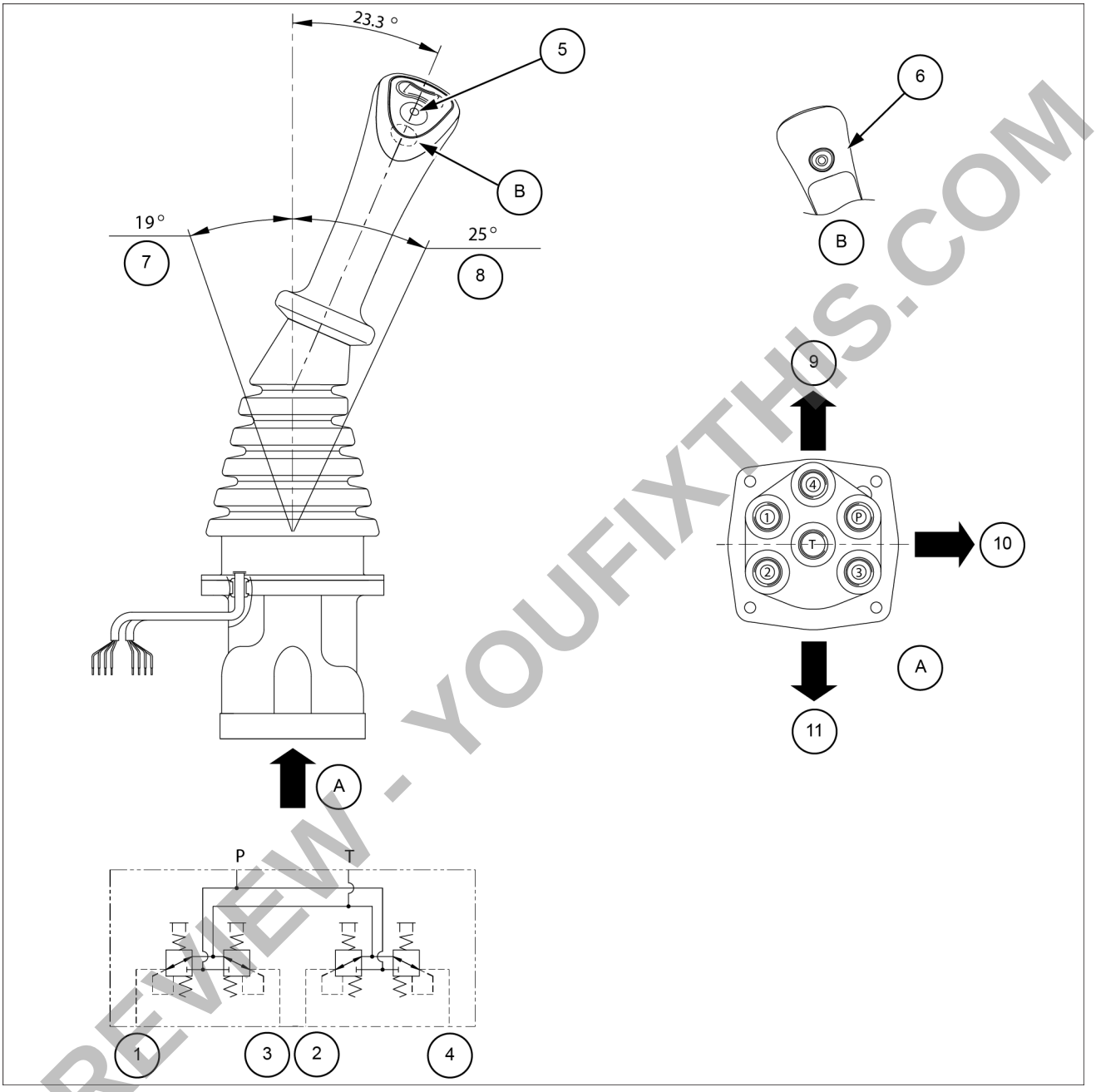
- Select “Diagnostic Codes” and select “Defect History”
- Press “All Clear” button
- Error information is cleared from the “Defect History”.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Hand control - Overview

The casing has the oil inlet port P (primary pressure) and the oil outlet port T (tank). In addition the secondary pressure is taken out through ports 1, 2, 3 and 4 provided at the bottom face.



SMIL16MEX0109GB 1

5. One touch deceleration (left-hand) - Horn (right-hand)
6. Breaker (right-hand)
7. Single operation
8. Simultaneous operation
9. Tilted direction of handle (right-hand)
10. Tilted direction of connector (left-hand, right-hand)
11. Tilted direction of handle (left-hand)

Port	Left-hand	Right-hand	Port size
P	Pilot oil inlet port	Pilot oil inlet port	PF 1/4
T	Pilot oil return port	Pilot oil return port	
1	Left swing port	Bucket out port	
2	Arm in port	Boom down port	
3	Right swing port	Bucket in port	
4	Arm out port	Boom up port	

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

Swing cylinder - Assemble

1. To assemble the cylinder see **Boom cylinder - Assemble (35.736)** as reference.
2. Apply torques as follows.

Part name	Size	Torque
Piston	M45	**997 – 1219 N·m** (**735 – 899 lb ft**)
Piston nut	–	**860 – 1052 N·m** (**634 – 776 lb ft**)
Set screw	M8	**17.8 – 21.6 N·m** (**13.1 – 15.9 lb ft**)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Component	Connector	Connector type
Air cleaner switch • **Electrical system - Component identification - Air cleaner switch (55.000)**	**CD-10**	AMP
Travel alarm pressure switch • **Electrical system - Component identification - Travel alarm pressure switch (55.000)**	**CD-11**	KET
Travel alarm pressure switch • **Electrical system - Component identification - Travel alarm pressure switch (55.000)**	**CD-12**	KET
Engine oil pressure switch • **Electrical system - Component identification - Engine oil pressure switch (55.000)**	**CD-18**	AMP
Overload pressure sensor • **Electrical system - Component identification - Overload pressure sensor (55.000)**	**CD-31**	DEUTSCH
Boom up pressure sensor • **Electrical system - Component identification - Boom up pressure sensor (55.000)**	**CD-32**	DEUTSCH
Console harness - Main harness	**CN-7**	AMP
Main harness - Bottom harness	**CN-8**	AMP
Main harness - Boom lamp harness	**CN-12**	AMP
Bottom harness - Main harness	**CN-13**	AMP
Bottom harness - Main harness	**CN-14**	AMP
Main harness - Bottom harness	**CN-15**	AMP
Accelerator sensor 1 • **Electrical system - Component identification - Accelerator sensor 1 (55.000)**	**CN-16B**	AMP
Main harness - Bottom harness	**CN-17**	AMP
Bottom harness - Main harness	**CN-18**	AMP
Bottom harness - Main harness	**CN-19**	AMP
Horn • **Electrical system - Component identification - Horn (55.000)**	**CN-20**	MOLEX
Washer pump • **Electrical system - Component identification - Washer pump (55.000)**	**CN-22**	KET
Air conditioning compressor • **Electrical system - Component identification - Air conditioning compressor (55.000)**	**CN-28**	AMP
Receiver dryer • **Electrical system - Component identification - Receiver dryer (55.000)**	**CN-29**	KET
Engine starter • **Electrical system - Component identification - Engine starter (55.000)**	**CN-45**	RING TERM
Fusible link • **Electrical system - Component identification - Fusible link (55.000)**	**CN-60**	YAZAKI
Fuel filler pump • **Electrical system - Component identification - Fuel filler pump (55.000)**	**CN-61**	TERM
Breaker solenoid valve • **Electrical system - Component identification - Pilot solenoid valve (55.000)**	**CN-66**	DEUTSCH
Safety solenoid valve • **Electrical system - Component identification - Pilot solenoid valve (55.000)**	**CN-68**	DEUTSCH

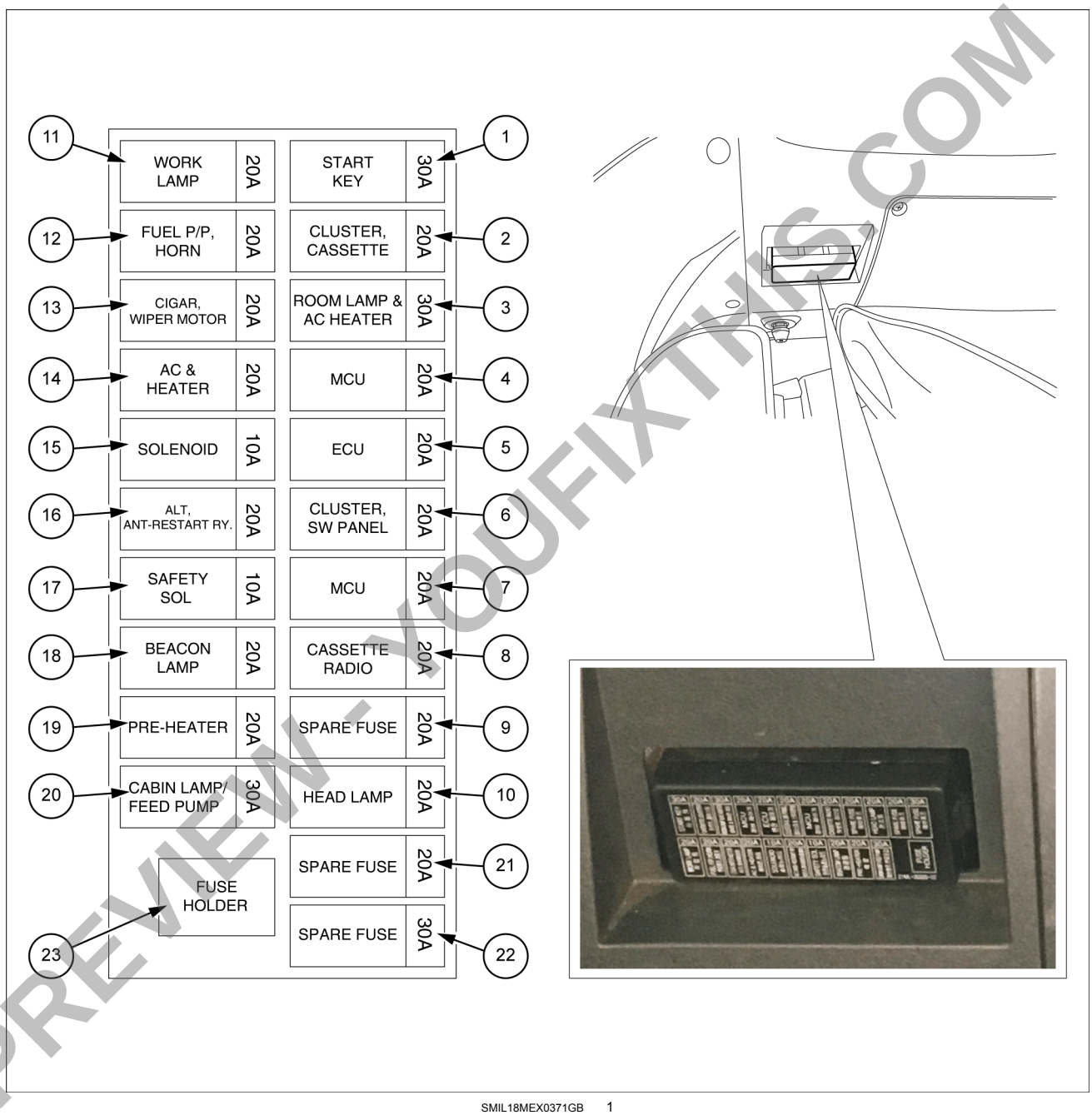
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Fuse and relay box - Overview

Fuse box location

The fuse box is located in the rear side panel of the cab, behind the operator’s seat, near the battery disconnect switch.
The fuse box cover indicates the function and amperage of each fuse.



SMIL18MEX0371GB 1

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

651-11 - Injector 1: Cylinder No. 4, Port: 1-2 – Failure

Context:
The injector 1 detects a failure. Cam/crank pulse is detected. Engine derates immediately to the maximum injection amount of **85%**. After **120 min** the maximum injection amount is limited to **50%**. The EGR is fully closed. The failed injection bank terminates. The fault mode is released when the ECU power is turned off.

Cause:
The Engine Control Unit (ECU) detects a fault of the injector 1.

Possible failure modes:

1. The harness or the connectors are damaged or the connectors are not fully installed.
2. The ECU is defective.

Solution:

1. Verify that the fault is present and active.

   Use the diagnostic tool to check the status of this fault.

   A. If the fault is no longer present or in an inactive state, the fault may be intermittent and not currently active.

   B. If the fault is present and active, continue with Step **2**.
2. Check the fault indication again after ECU power on and off.

   Turn on and off the ECU power.

   A. If the fault is no longer present or in an inactive state, the fault may be intermittent and not currently active.

   B. If the fault is present and active, continue with Step **3**.
3. Check the integrity of the harness and the connectors.

   Visually inspect the relevant harness and connector for damage, bent or dislocated pins, corroded terminals or broken wires. Verify that the connectors are fully installed. Flex the harness involved to revel intermittent breaks or shorts in the wiring concerned. Operate the machine while you monitor the display.

   A. If you find damage or the display indicates other than normal display readings, repair the damage discovered during the inspection or locate and repair the other than normal display condition and verify that the error has been resolved.

   B. If you do not find damage and the display indicates only normal readings, check the ECU and replace if necessary (refer to **Engine Control Unit (ECU) - Remove (55.015)**). Then erase the fault and continue operation.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 25 of 1881 pages

The full manual includes:

- All 1881 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

New Holland E60C Service Manual



Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual