

# 11 Cab

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## 11.1 Remove and install the cab

### 11.1.1 Remove the cab

#### Before starting the procedure



**WARNING: Machine movement hazard.**

Personal injury or machine damage can occur.

Park the machine on a solid level surface. Lower all implements to the ground. Stop the engine, apply the park brake, and take the key with you.



**WARNING: Contact with refrigerant is a hazard. Refrigerant can cause frostbite and other serious injury.**

Serious personal injury can occur.

Keep face and hands away to help prevent injury. Protective goggles must be worn when refrigerant lines are opened. Release fittings slowly in an well ventilated area. Do not inhale the refrigerant.



**WARNING: Pressurized gases or fluids can be hazards.**

Personal injury can result.

Relieve the pressure from the system or component before disconnecting components.



**WARNING: Components can be heavy.**

Severe injury can result from improper lifting technique.

Use appropriate lifting equipment for heavy components.

#### Procedure

1. Remove the bolts and remove the side shields (1) from the left-hand side of the machine. Repeat this procedure for the right-hand side of the machine.

**NOTE:** The wheel has been removed for clarity.

2. Recover the refrigerant from the machine.

**IMPORTANT:**

Only a certified technician with certified equipment can service the air conditioning system.

3. Remove the A/C line (1) from the HVAC.
4. Remove the clips holding the A/C line to the cab.

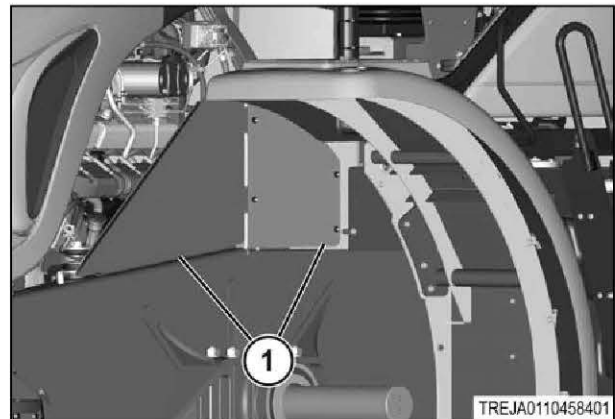


Fig. 1

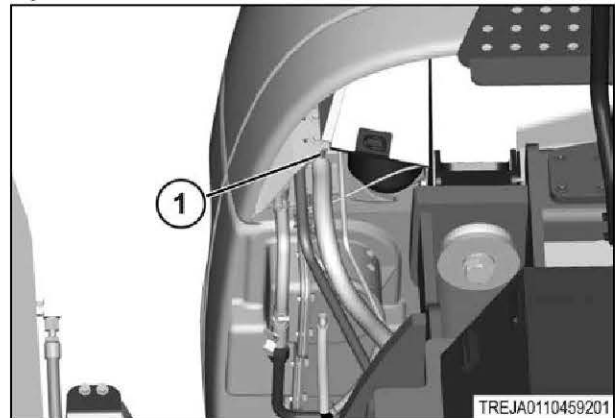


Fig. 2

11. Cab

5. Use a correct container to collect the fluid. Disconnect the coolant lines (1) and the drain tube (2). Plug the hoses to prevent contamination to the system.

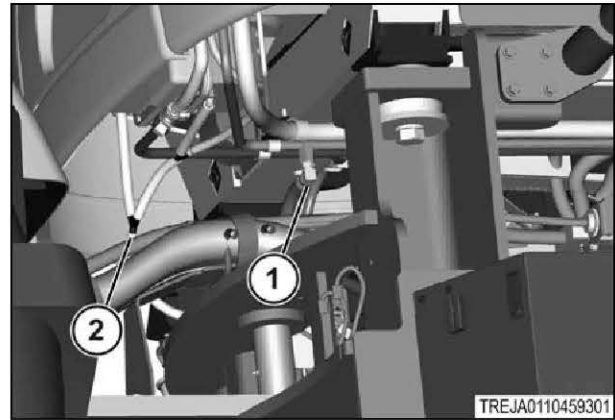


Fig. 3

6. Disconnect the washer hoses (1) from the washer pump (2).
7. Remove the cable straps holding the washer hoses to the frame.

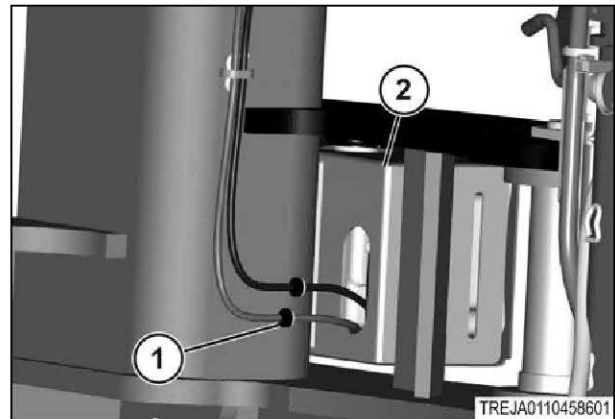


Fig. 4

8. Disconnect the park brake cable (1) from the park brake valve (2). Loosen the nuts and remove the park brake cable from the bracket (3).

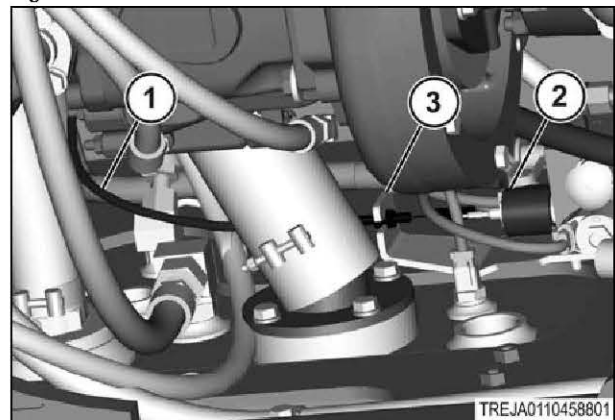


Fig. 5

9. Rotate the spring retainer pin (1) and remove from the yoke (2). Loosen the nuts (3) and remove the service brake cable (4).

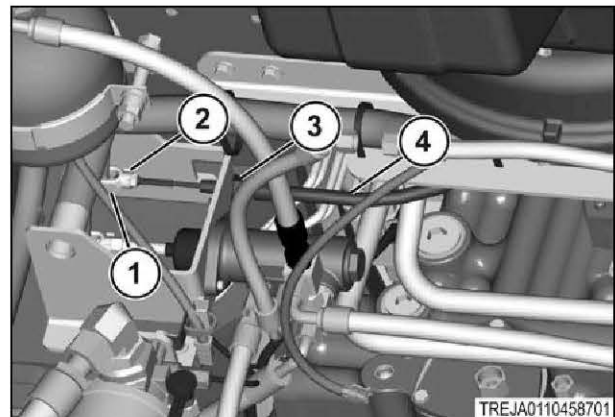


Fig. 6

10. Disconnect the heater core hoses (1) and the A/C line (2) under the front of the cab.

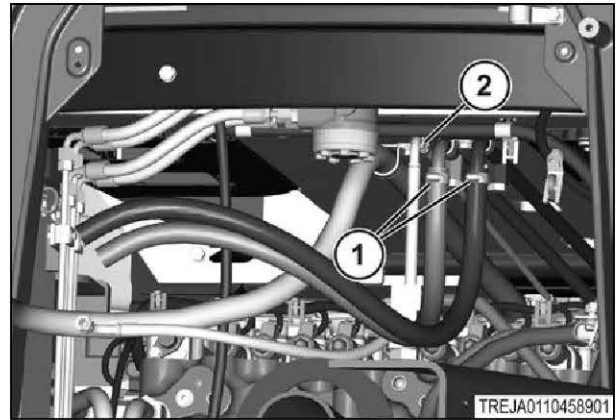


Fig. 7

11. Put identifying labels on the hoses and disconnect the hoses(1) from the steering orbital. Plug the lines to prevent contamination in the system.
12. Remove the floor mat.
13. Remove the floor sound insulation.

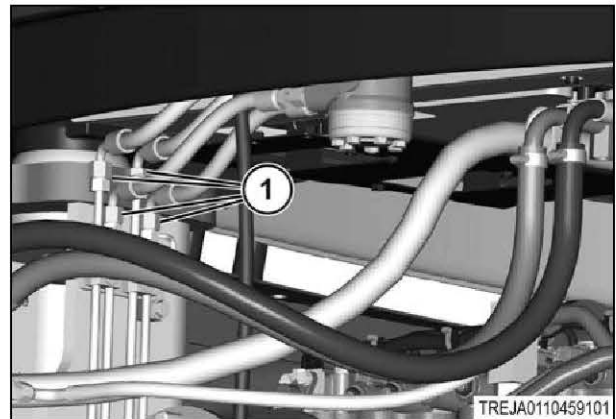


Fig. 8

14. Remove the screws and remove the access panels (1).

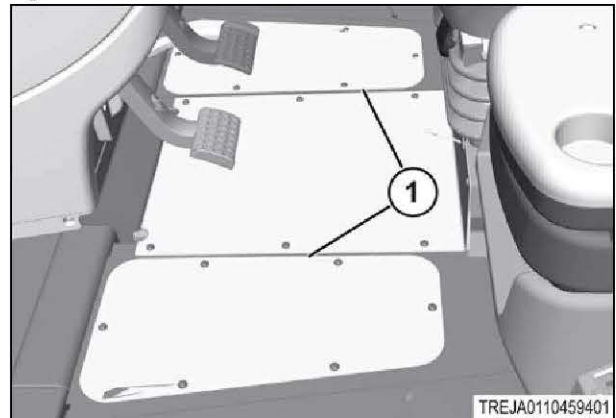


Fig. 9

15. Disconnect the power cable (1) and the ground cable (2). Remove the P-Clips holding the cables to the cab.

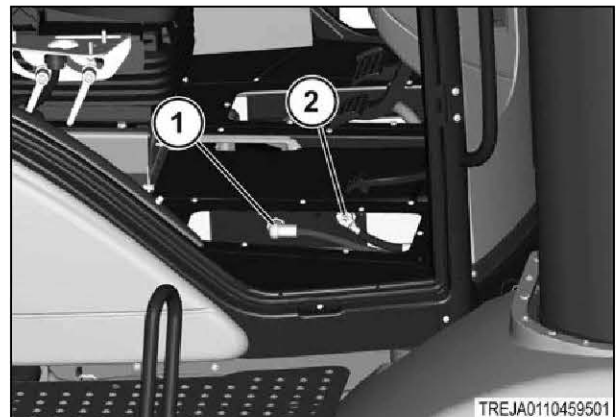


Fig. 10

11. Cab

16. Disconnect the electrical connections(1).  
Remove the cable straps holding the harness to the cab.

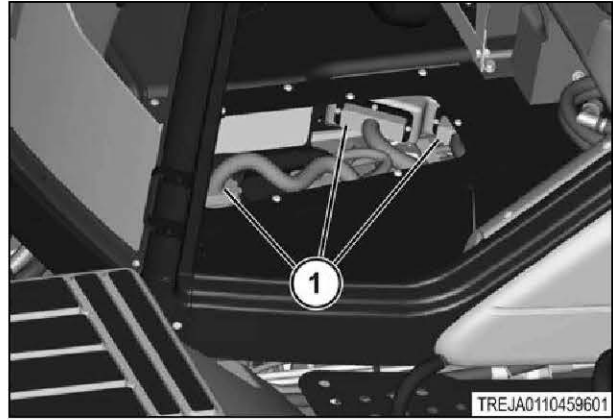


Fig. 11

17. Install the correct lifting device to the top of the cab (1).

**IMPORTANT:**

*The cab weight is approximately 907 kg (2000 lb).*

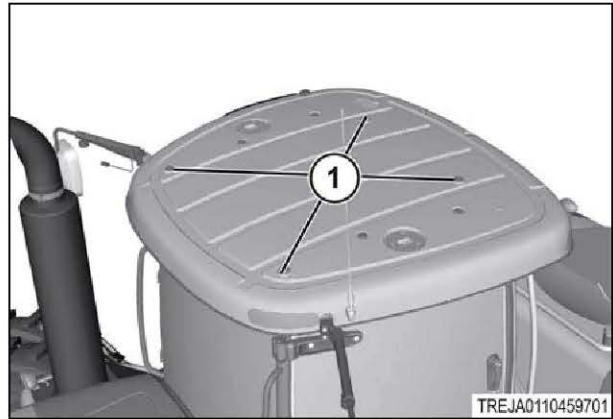


Fig. 12

18. Remove the front left-hand cab mounting bolt (1).
19. Remove the DEF module pump.

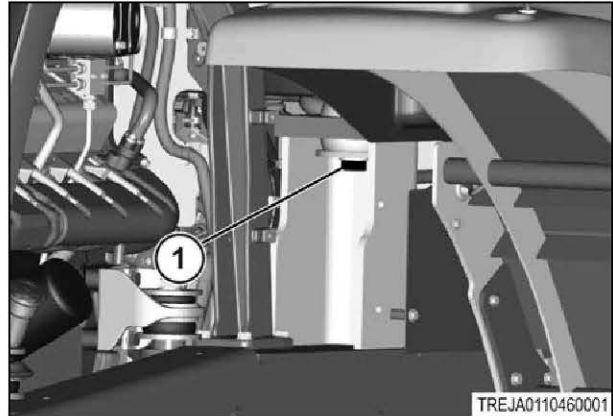


Fig. 13

20. Remove the rear left-hand cab mounting bolt (1).

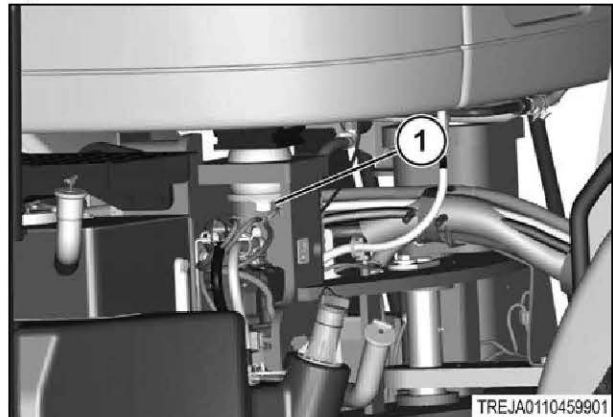


Fig. 14

21. Remove the front right-hand cab mounting bolt (1).

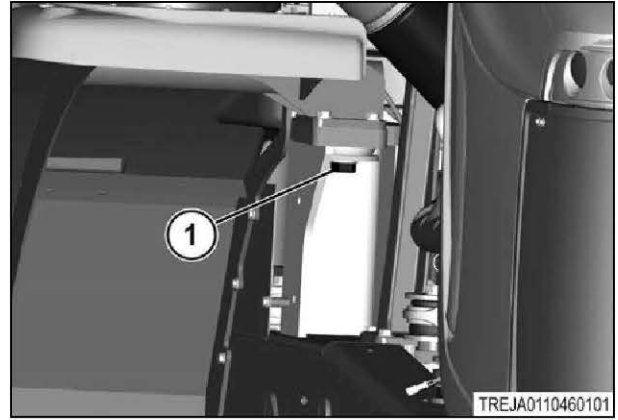


Fig. 15

22. Remove the right-hand rear cab mounting bolt (1).
23. Remove the cab.

**IMPORTANT:**

*The cab weight is approximately 907 kg (2000 lb).*

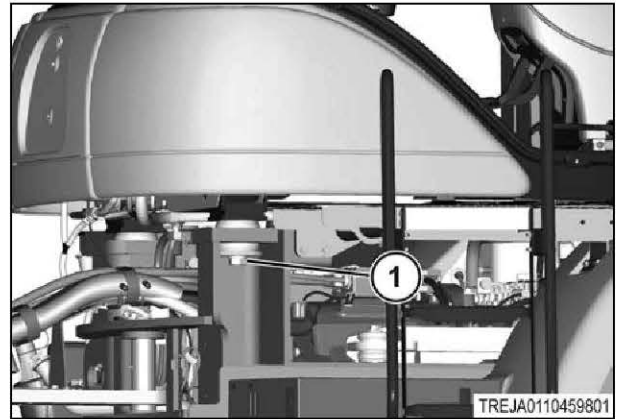


Fig. 16

**Related Links**

[Remove the exhaust system with the diesel exhaust fluid system](#) page 2-178

**11.1.2 Install the cab****Before starting the procedure**

**WARNING: Machine movement hazard.**

**Personal injury or machine damage can occur.**

**Park the machine on a solid level surface. Lower all implements to the ground. Stop the engine, apply the park brake, and take the key with you.**



**WARNING: Contact with refrigerant is a hazard. Refrigerant can cause frostbite and other serious injury.**

**Serious personal injury can occur.**

**Keep face and hands away to help prevent injury. Protective goggles must be worn when refrigerant lines are opened. Release fittings slowly in a well ventilated area. Do not inhale the refrigerant.**



**WARNING: Pressurized gases or fluids can be hazards.**

**Personal injury can result.**

**Relieve the pressure from the system or component before disconnecting components.**



**WARNING: Components can be heavy.**

**Severe injury can result from improper lifting technique.**

**Use appropriate lifting equipment for heavy components.**

**Procedure**

1. Install the four mounting pads (1). Make sure the mounting surface is clean and free of debris.

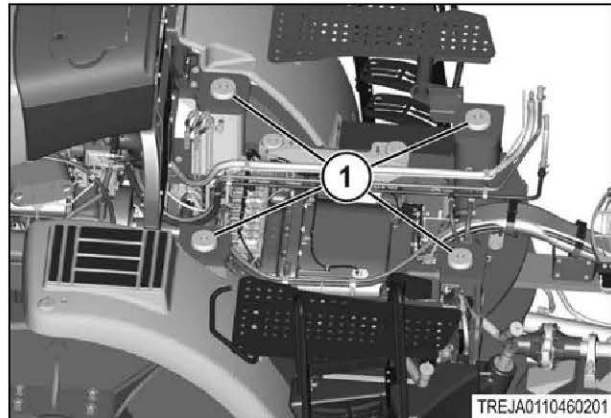


Fig. 17

2. Install the correct lifting device to the top of the cab (1).

**IMPORTANT:**

*The cab weight is approximately 907 kg (2000 lb).*

3. Install the cab on the mounting pads.



Fig. 18

4. Install the hardware at the four mounting locations. Install the mounting pads (1), the sleeve (2), the washer (3), the washer (4), and the bolt (5).

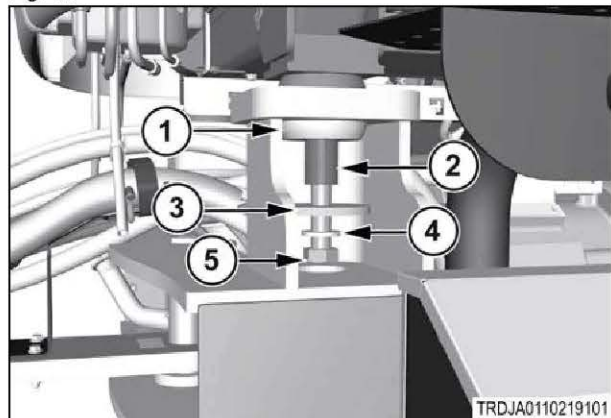


Fig. 19

5. Install the front left-hand cab mounting hardware (1). Tighten the bolt to 1400 to 1800 Nm (1032 to 1327 lb ft).
6. Install the DEF module pump.

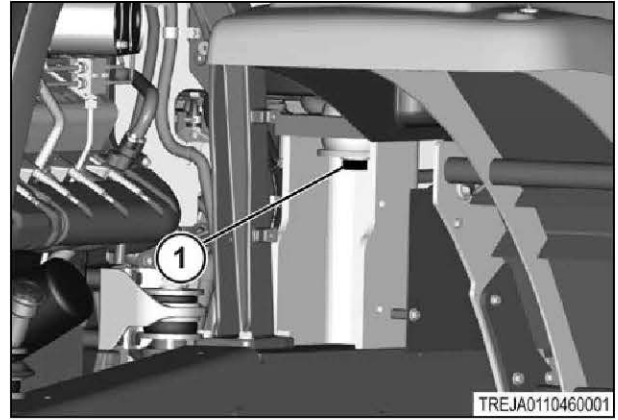


Fig. 20

7. Install the rear left-hand cab mounting hardware (1). Tighten the bolt to 1400 to 1800 Nm (1032 to 1327 lb ft).

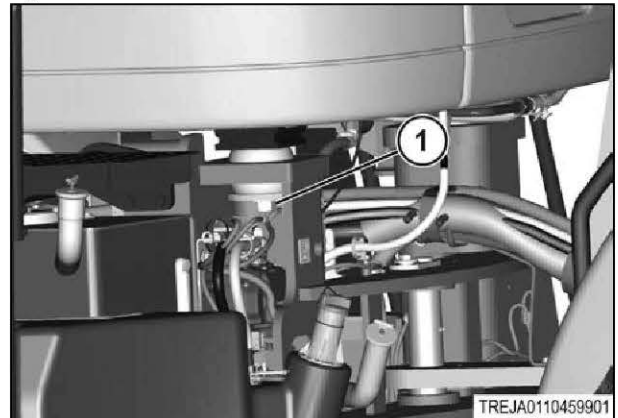


Fig. 21

8. Install the front right-hand cab mounting hardware (1). Tighten the bolt to 1400 to 1800 Nm (1032 to 1327 lb ft).

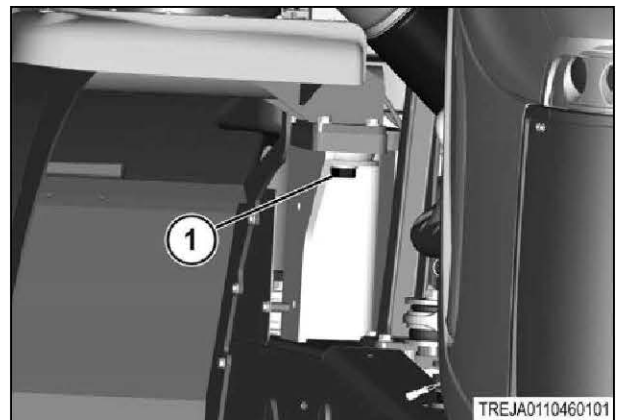


Fig. 22

9. Install the right-hand rear cab mounting hardware (1). Tighten the bolt to 1400 to 1800 Nm (1032 to 1327 lb ft).
10. Remove the floor mat.
11. Remove the floor sound insulation.

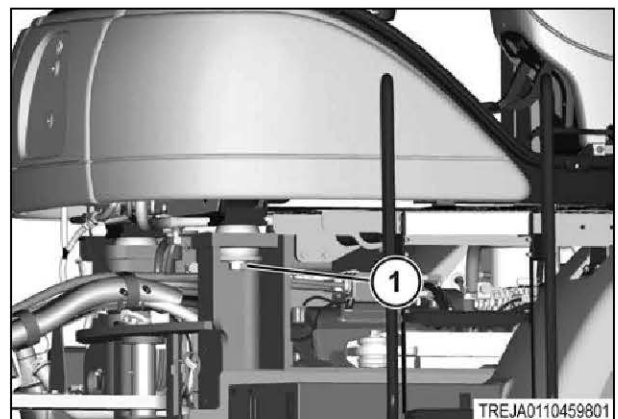


Fig. 23

- 12.** Remove the screws and remove the access panels (1).

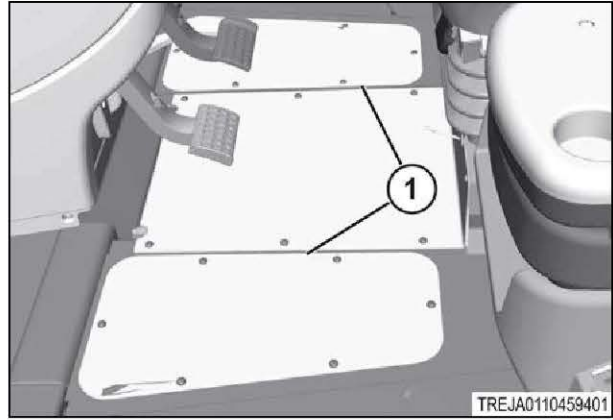


Fig. 24

- 13.** Connect the power cable (1) and the ground cable (2). Install the P-Clips to attach the cables to the cab.

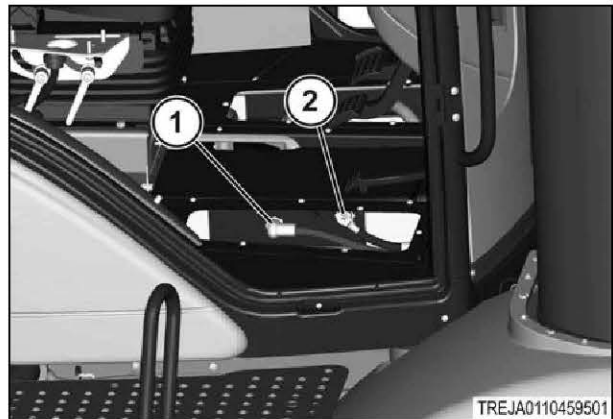


Fig. 25

- 14.** Connect the electrical connections(1). Install the cable straps to attach the harness to the cab.

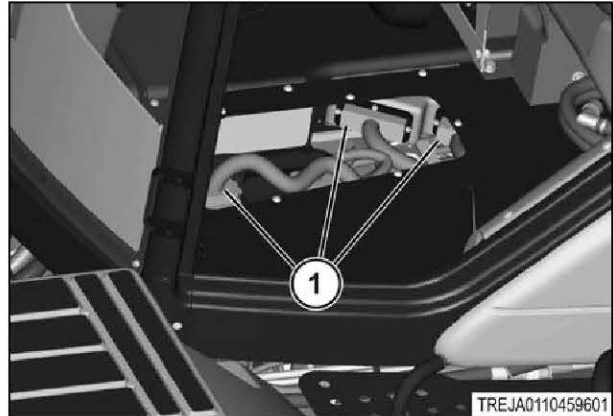


Fig. 26

- 15.** Install the access panels (1). Attach the panels with the screws.

- 16.** Install the floor sound insulation.

- 17.** Install the floor mat.

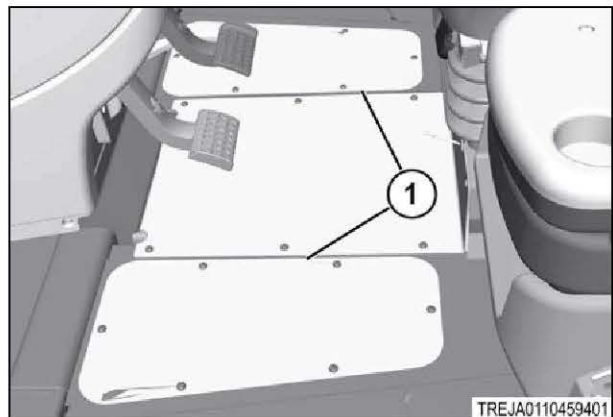


Fig. 27

18. Connect the heater core hoses (1) and the A/C line (2) under the front of the cab.

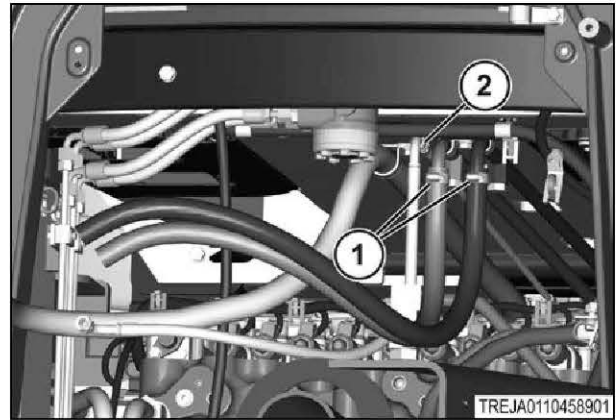


Fig. 28

19. Connect the hoses(1) to the steering orbital.

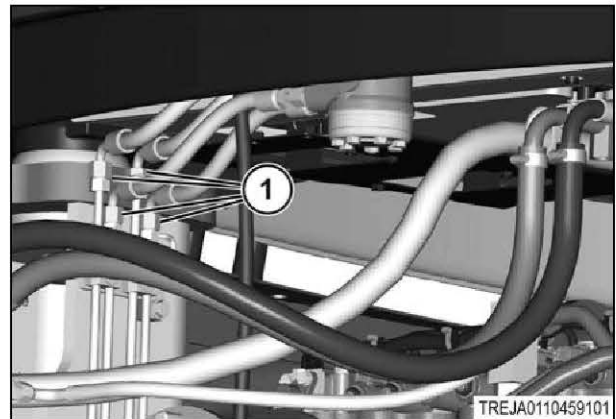


Fig. 29

20. Install the service brake cable (4). Install the spring retainer pin (1) through the yoke (2) to connect the service brake cable. Adjust the brake and tighten the nuts (3).

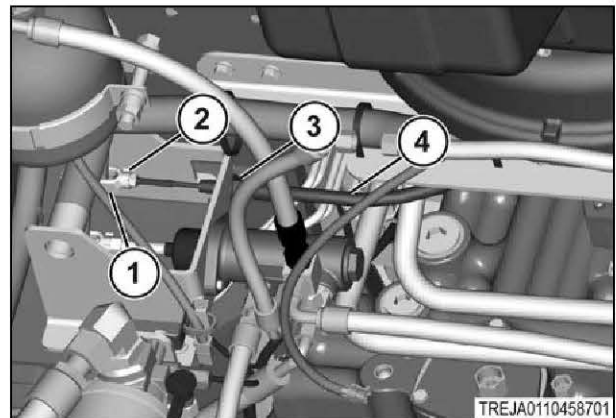


Fig. 30

21. Connect the park brake cable (1) to the park brake valve (2). Tighten the nuts to attach the park brake cable to the bracket (3).

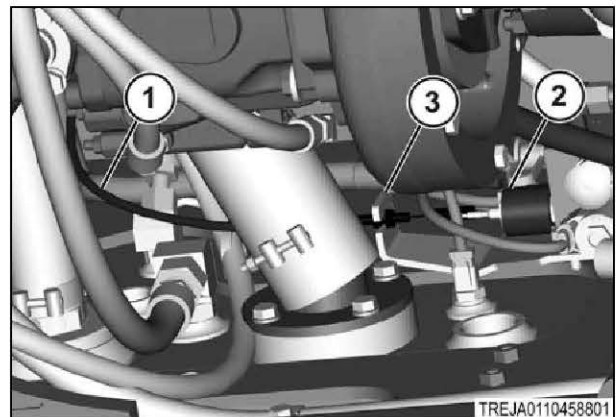


Fig. 31

11. Cab

- 22. Connect the coolant lines (1) and the drain tube (2).

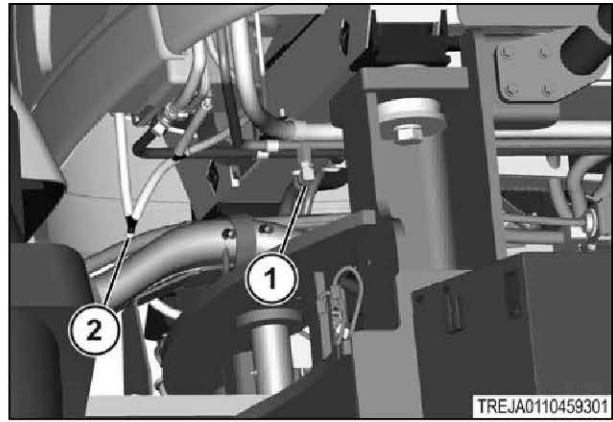


Fig. 32

- 23. Connect the washer hoses (1) to the washer pump (2).

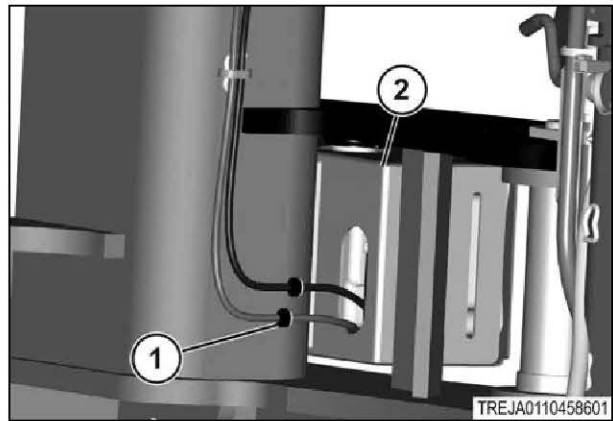


Fig. 33

- 24. Connect the A/C line (1) to the HVAC.
- 25. Install the P-Clips to attach the A/C line to the cab.
- 26. Charge the A/C system.

**IMPORTANT:**

*Only a certified technician with certified equipment can service the air conditioning system.*

- 27. Fill the coolant tank. The coolant level must be filled to at least the full cold mark.

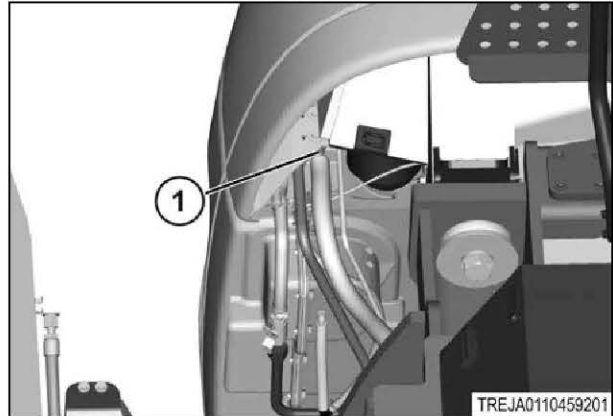


Fig. 34

- 28. Install the side shields (1) to the left-hand side of the machine with the existing hardware. Repeat this procedure for the right-hand side of the machine.

**NOTE:** *The wheel has been removed for clarity.*

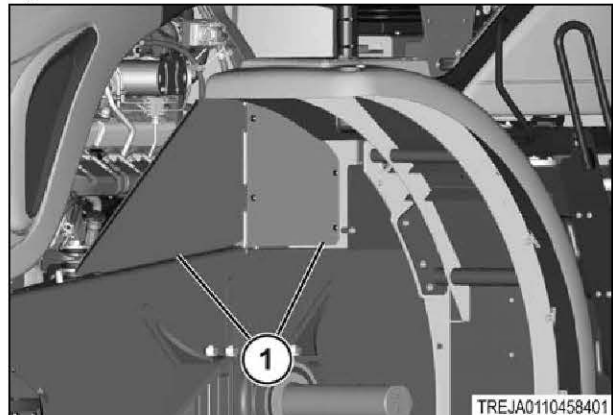


Fig. 35

**Related Links**

[Install the exhaust system with the diesel exhaust fluid system](#) page 2-184

[Charge the system](#) page 12-35

## 11.2 Cab filtration

### 11.2.1 Primary fresh air filter

The primary fresh air filter (1) is located in the roof overhang on the door side of the cab.

The filter removes dust particles drawn into the air system and is partially cleaned each time the cab door is closed, when back pressure flushes the primary air filter. Before removing the filter, close all windows and door. Back pressure from the cab helps remove loose dirt on bottom of the filter.

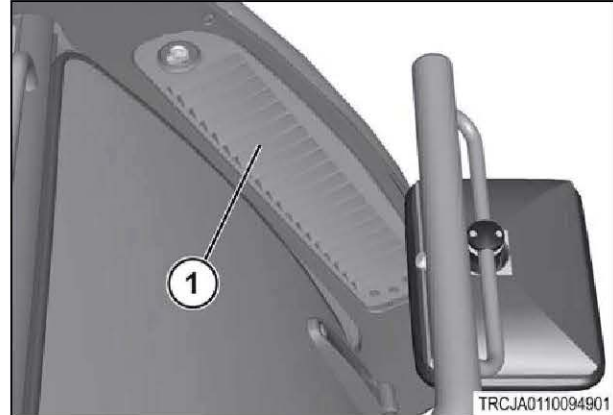


Fig. 36

### 11.2.2 Remove the primary air filter

1. Loosen the thumb screw (1) on the front of the panel.
2. Lower the panel (1) to remove the primary air filter (2).

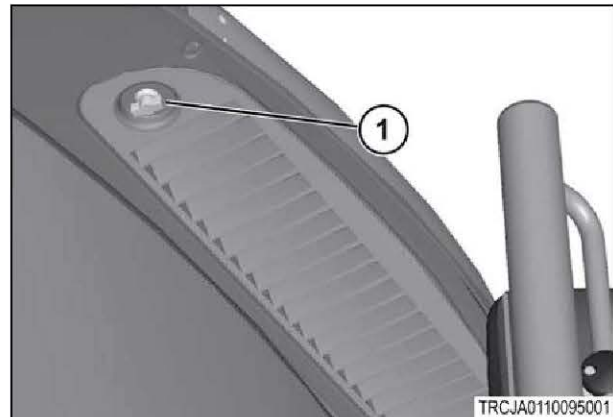


Fig. 37

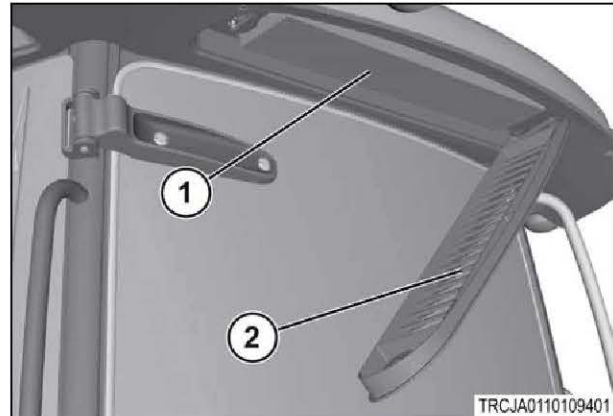


Fig. 38

### 11.2.3 Filter maintenance

Examine the filter each 250 hours of operation. Replace the cab filters each 1000 hours or one time a year, whichever comes first.

### 11.2.4 Clean the filter

To remove the filter of dust, hold the filter and tap on a flat surface with the dirty side down.

**NOTE:** *Tapping too hard can cause damage.*

The operator can use compressed air also. Blow air through the element in the direction opposite of the normal air flow.

**IMPORTANT:** *Keep the nozzle a minimum of 25.4 mm (1 in) from the surface. Too much air pressure can cause damage.*



**WARNING:**

**To avoid personal injury, always wear eye and face protection when using pressurized air.**

### 11.2.5 Install the primary air filter

1. Slide the primary air filter (1) into position.

**IMPORTANT:** *Make sure the airflow arrows on the filter are pointing up for correct operation.*

2. Lift the panel (2) into position and tighten the thumb screw to attach the panel in to position.

**NOTE:** *The seals must come in contact with the surface to prevent air bypass.*

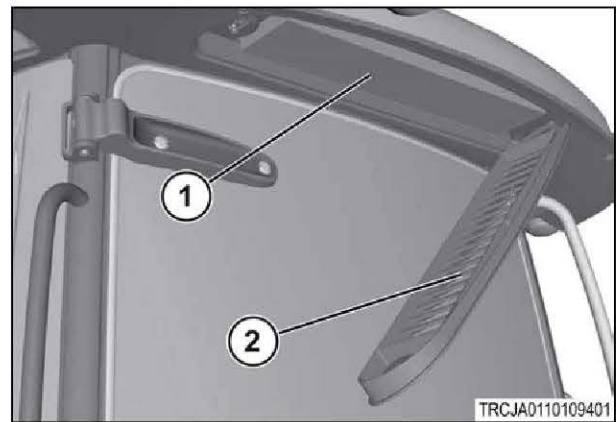


Fig. 39

### 11.2.6 Recirculation filter

The recirculation filter cleans the air for the HVAC fan and pulls the air from in the cab. Premature fan motor failure occurs if the filter is not installed. The recirculation filter is the only filter for the fan.

Outdoor conditions change the life of the filter. The operator can detect contamination by odor, by taste, or other symptoms.

**NOTE:** *There is optional charcoal filters available with the local dealer.*



**WARNING:**

**A seal that is not sufficient can cause filter malfunction. Personal injury will result. Isoamyl acetate, which has a banana-like odor, can be used for troubleshooting the seal. Regularly examine the door gasket for damage.**

**IMPORTANT:** *When the filter is removed from its protective packaging, install it immediately. Exposure to the environment decreases the effectiveness of the filter.*

**NOTE:** *Keep the replacement filters in the original packaging in a clean dry area away from exposure to any chemicals. Keep the floor areas of the cab clean from any unwanted material when keeping the replacement filter in the cab.*

**NOTE:** *Do not clean the vapor absorption (carbon) section of the filters. Replace the filter if the odor, the taste or any other indication of contamination is found.*

### 11.2.7 Remove the recirculation filter

#### Procedure

1. Loosen the thumb screw (1) to remove the filter cover (2).

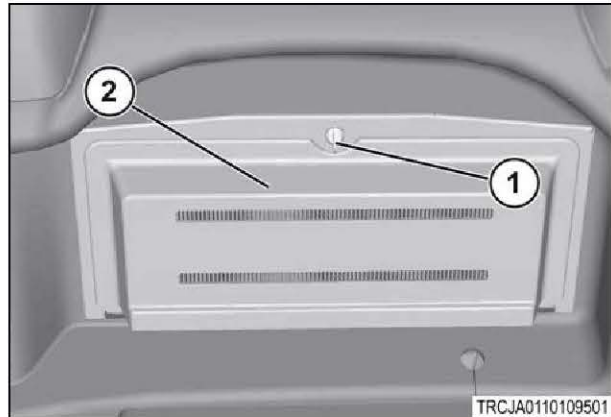


Fig. 40

2. Remove the filter element (1).

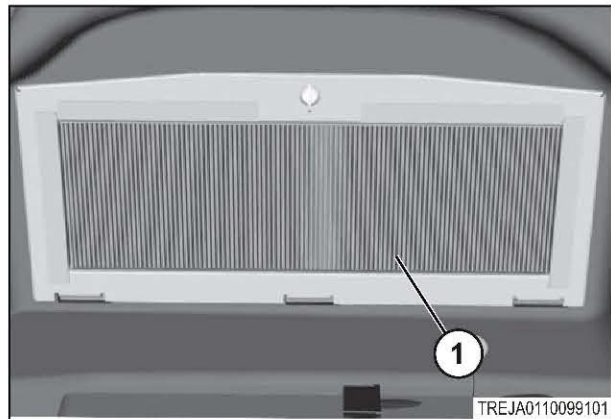


Fig. 41

### 11.2.8 Install the recirculation filter

#### Procedure

1. Put the filter element (1) into position. Make sure the air flow arrows point to the rear to make sure of correct operation.

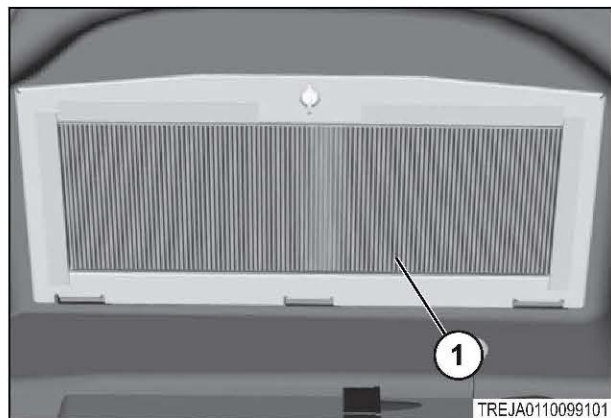


Fig. 42

2. Tighten the thumb screw (1) to attach the cover (2) in position over the filter.

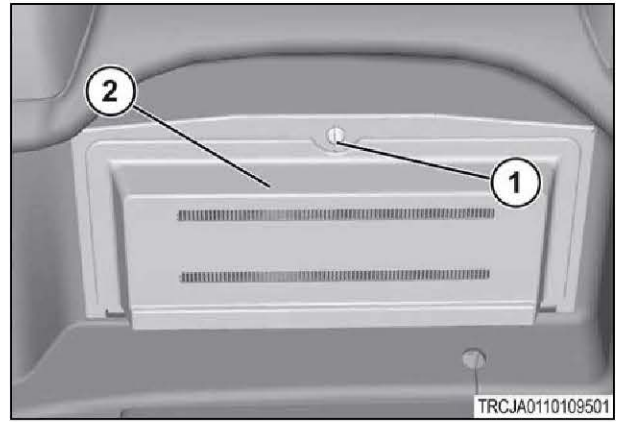


Fig. 43

## 11.3 Armrest

### 11.3.1 Remove the armrest

#### Before starting the procedure



**WARNING: Machine movement hazard.**

**Personal injury or machine damage can occur.**

**Park the machine on a solid level surface. Lower all implements to the ground. Stop the engine, apply the park brake, and take the key with you.**

#### Procedure

1. Remove the electrical connection (1) from the bottom of the armrest.

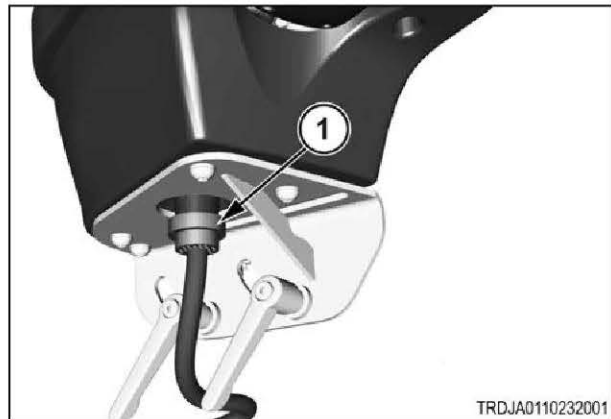


Fig. 44

2. Remove the adjustment levers (1) holding the armrest on the seat, and then remove the armrest.

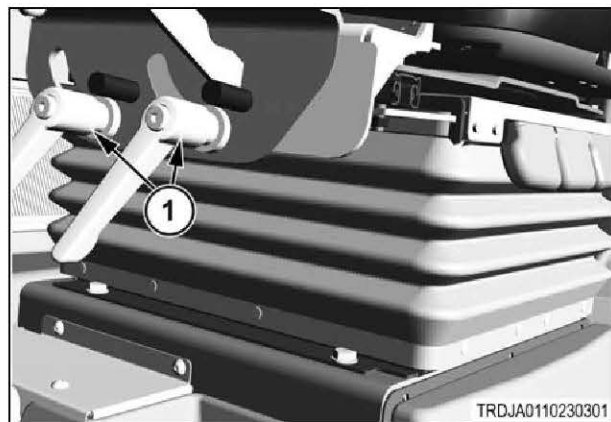


Fig. 45

### 11.3.2 Install the armrest

#### Procedure

1. Install the armrest to the seat using the adjustment levers (1).

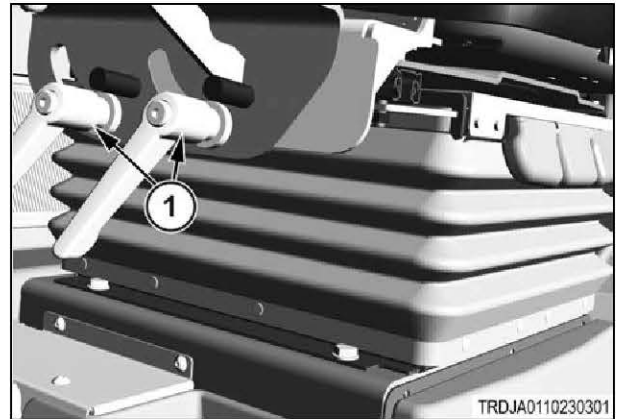


Fig. 46

2. Connect the electrical connection (1) to the bottom of the armrest.

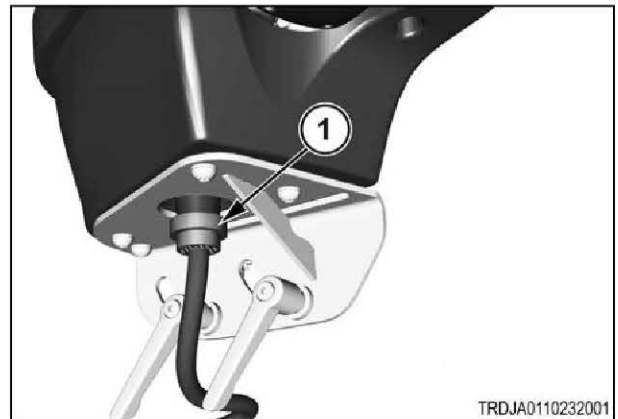


Fig. 47

## 11.4 Cab seat

### 11.4.1 Remove the seat

#### Before starting the procedure



**WARNING: Machine movement hazard.**

**Personal injury or machine damage can occur.**

**Park the machine on a solid level surface. Lower all implements to the ground. Stop the engine, apply the park brake, and take the key with you.**

#### Procedure

1. Remove the two bolts (1) that hold the armrest to right side of the seat. Lower the armrest to the floor.

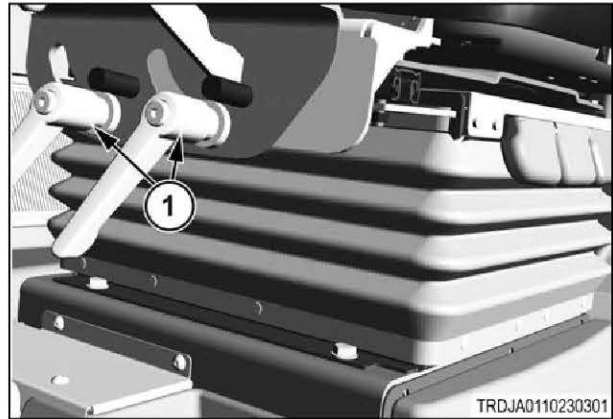


Fig. 48

2. Loosen and then remove the two bolts (1) on the right side of the seat base.

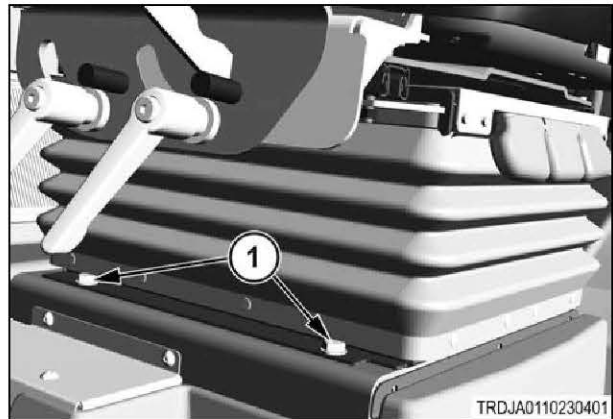


Fig. 49

3. Loosen and then remove the two bolts (1) on the left side of the seat base.



Fig. 50

4. Disconnect the electrical connection (1) on the rear of the seat.

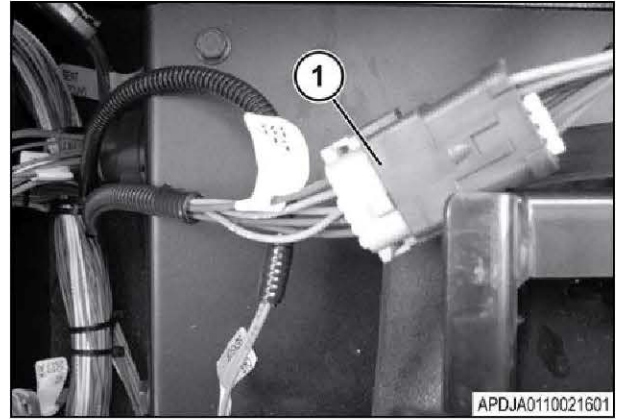


Fig. 51

5. Fold the seat forward using the backrest adjustment lever (1).
6. Lift the seat assembly off of the pedestal and then remove the seat from the cab.

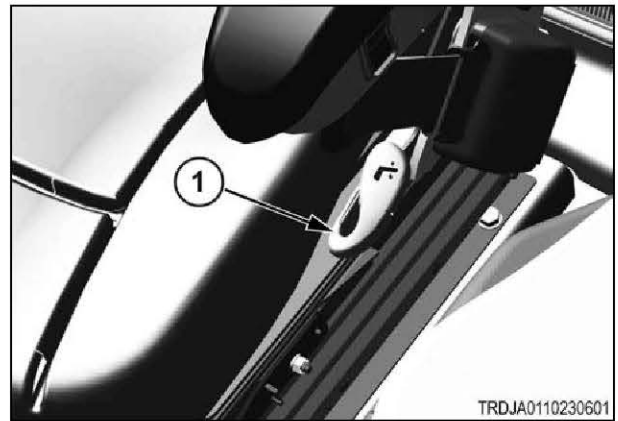


Fig. 52

### 11.4.2 Install the seat

#### Procedure

1. Lift the seat into the cab and put the seat on the pedestal.
2. Install the two bolts (1) on the left side of the seat.

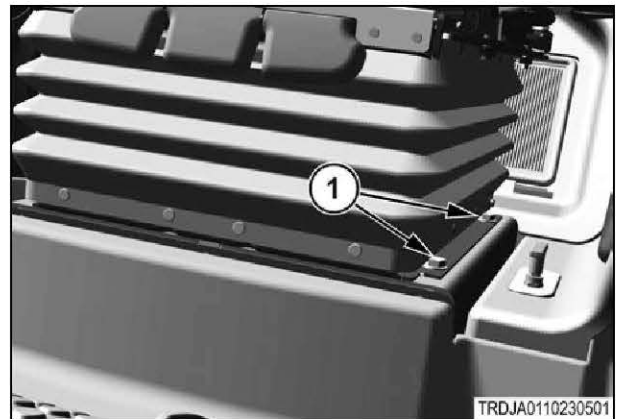


Fig. 53

11. Cab

3. Install the two bolts (1) on the right side of the seat.

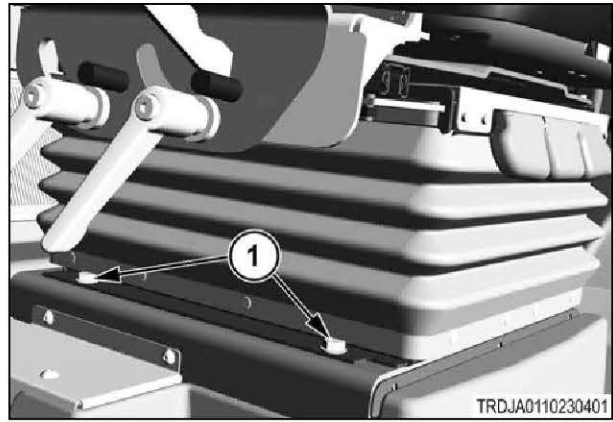


Fig. 54

4. Connect the electrical connector (1) on the rear of the seat.

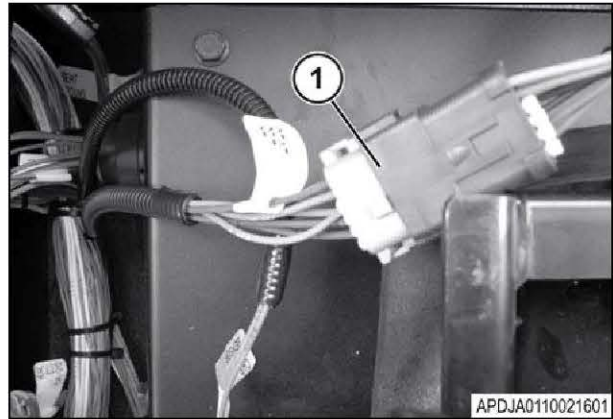


Fig. 55

5. Lift the armrest into position. Install the two bolts (1).

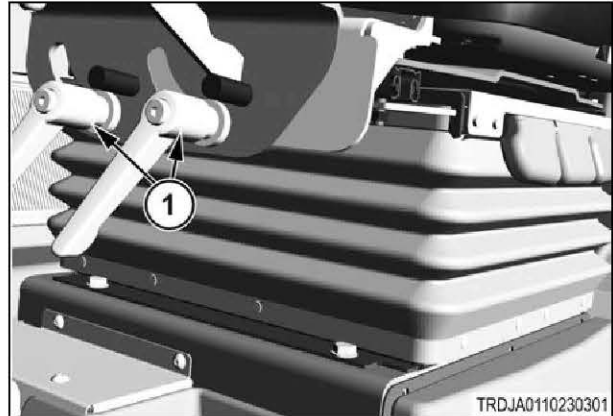


Fig. 56

6. Lift the seat into the normal operating position by using the backrest adjustment lever (1).

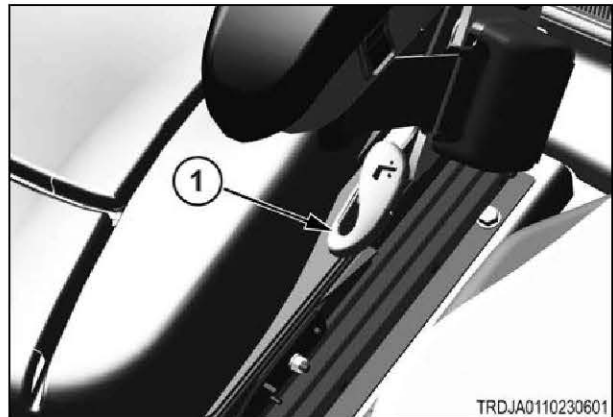


Fig. 57

## 11.5 Cab switches

### 11.5.1 Remove the switches

#### Procedure

1. Use an correct tool to remove the switch (1) from the armrest.

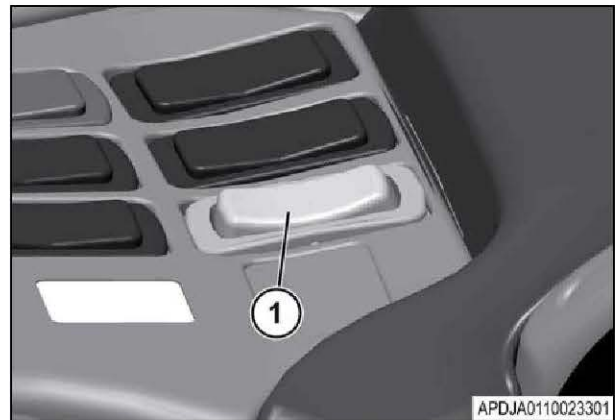


Fig. 58

2. Disconnect the switch (1) from the connection (2).

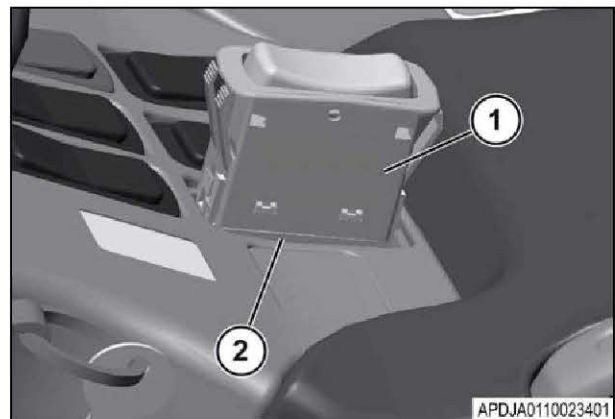


Fig. 59

### 11.5.2 Install the switches

#### Procedure

1. Connect the switch (1) to the connection (2).

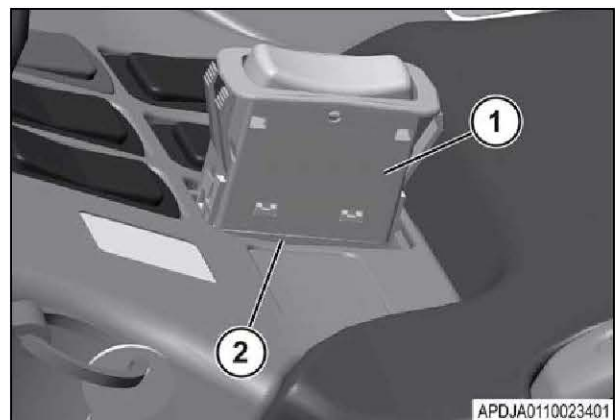


Fig. 60

11. Cab

2. Press the switch (1) into the armrest to secure the switch in place.



Fig. 61

## 11.6 Steering console

### 11.6.1 Remove the steering console

#### Before starting the procedure



**WARNING: Machine movement hazard.**

**Personal injury or machine damage can occur.**

**Park the machine on a solid level surface. Lower all implements to the ground. Stop the engine, apply the park brake, and take the key with you.**

#### Procedure

1. Remove the four screws (1) at the base of each cowling. Remove the two screws (2) from the steering shaft cowling.

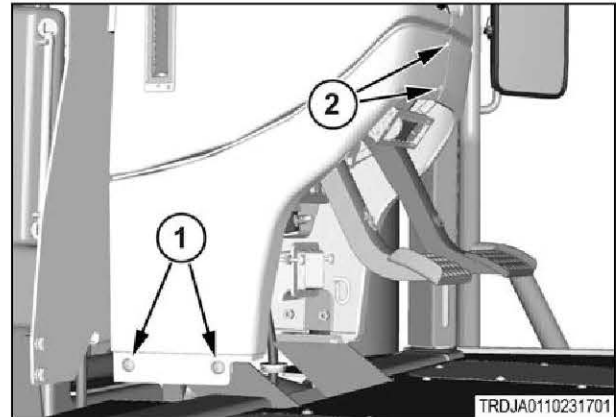


Fig. 62

2. Remove the vent screws (1) and then remove the vent. Remove the cowlings.

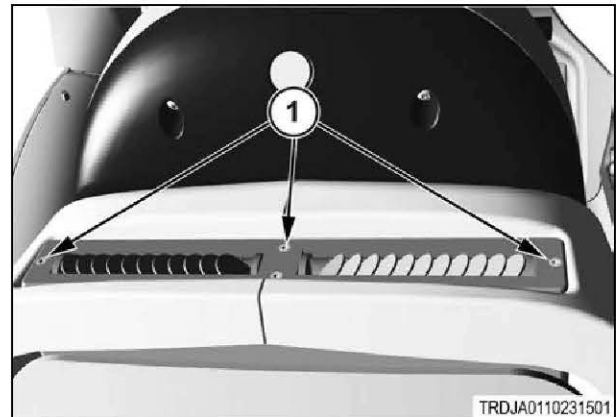


Fig. 63

3. Remove the two screws (1) behind the dash and then remove the rear cover.

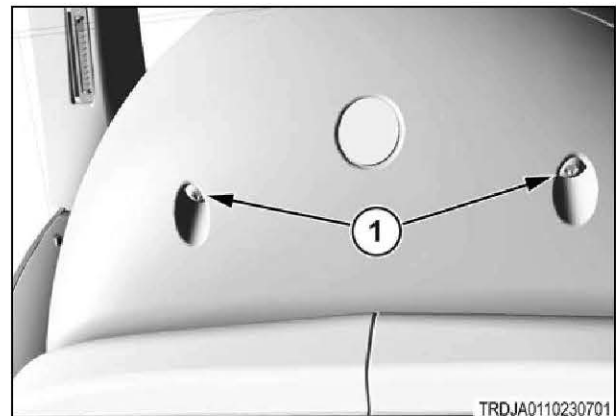


Fig. 64

11. Cab

4. Remove the screws (1) from the back of the dash. Disconnect the electrical connection (2) and then remove the dash.

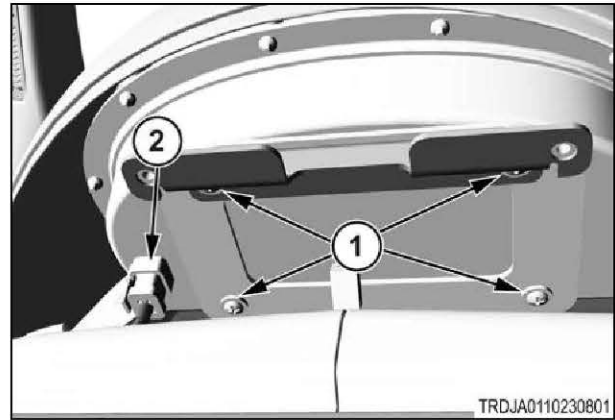


Fig. 65

5. Remove the screws (1) from underneath the steering column and then remove the steering column covers.

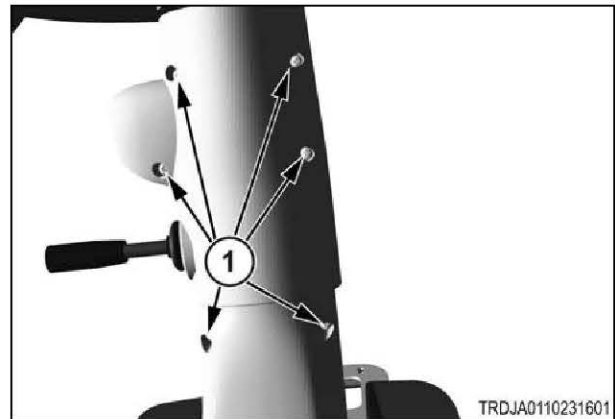


Fig. 66

6. Disconnect the electrical connection (1) from the steering control.

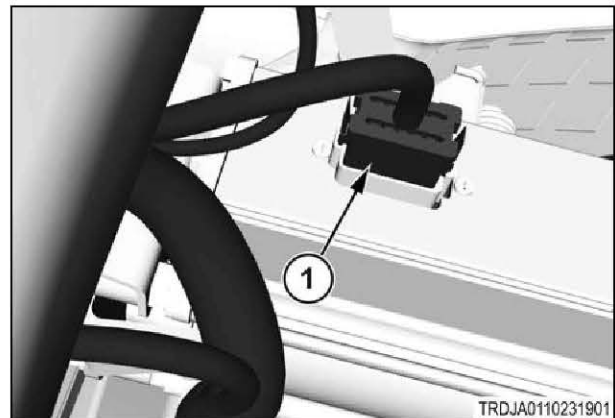


Fig. 67

7. Remove the bolts (1) and then remove the steering column.



Fig. 68

## 11.6.2 Install the steering console

### Procedure

1. Install the steering column using the bolts (1).
2. Connect the electrical connection (1) to the steering control.
3. Use the screws (1) to install the steering column covers.

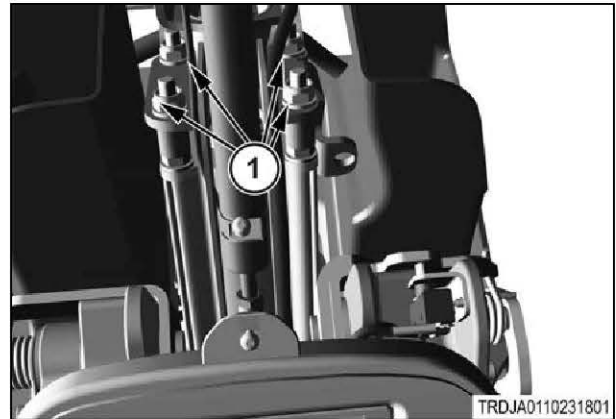


Fig. 69

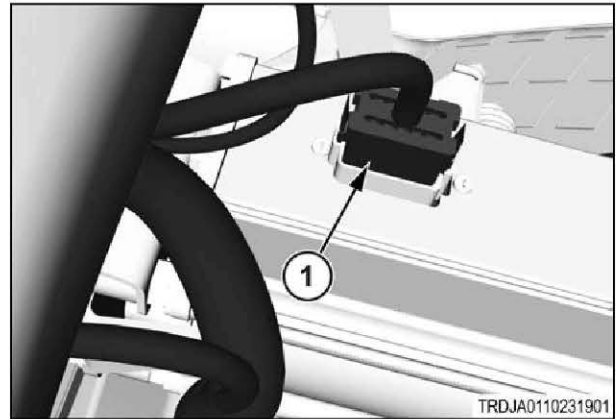


Fig. 70

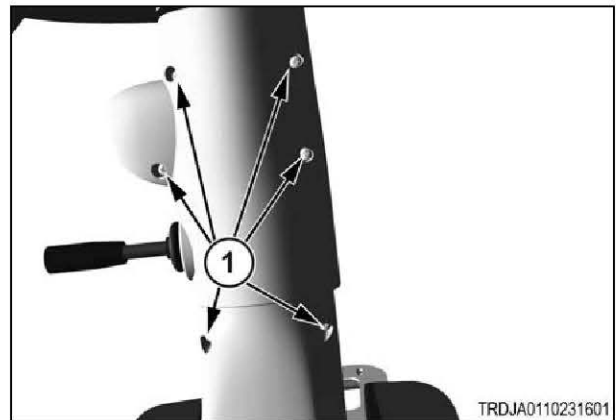


Fig. 71

11. Cab

4. Install the screws (1) to the back of the dash. Connect the electrical connection (2) to the dash.

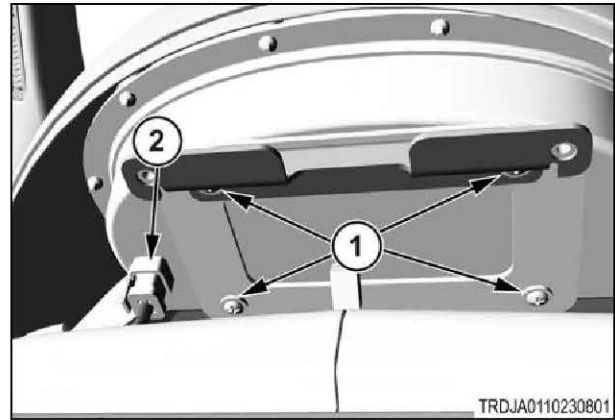


Fig. 72

5. Install the two screws (1) behind the dash to fasten the rear cover to the steering console.

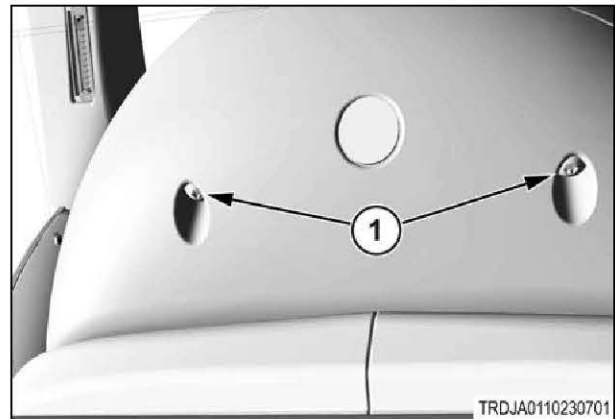


Fig. 73

6. Install the vent screws (1) to fasten the vent to the cowlings.

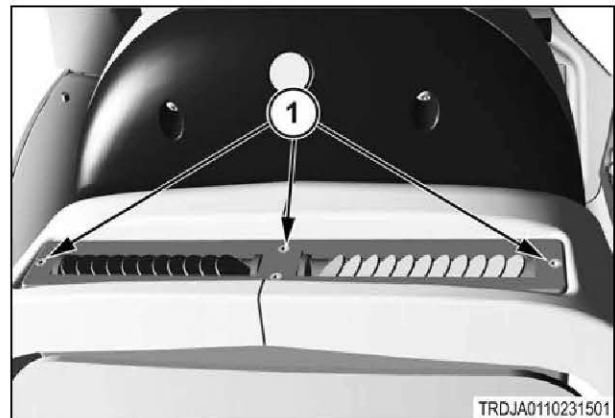


Fig. 74

7. Install the four screws (1) at the base of each cowling. Install the two screws (2) to the steering shaft cowling.

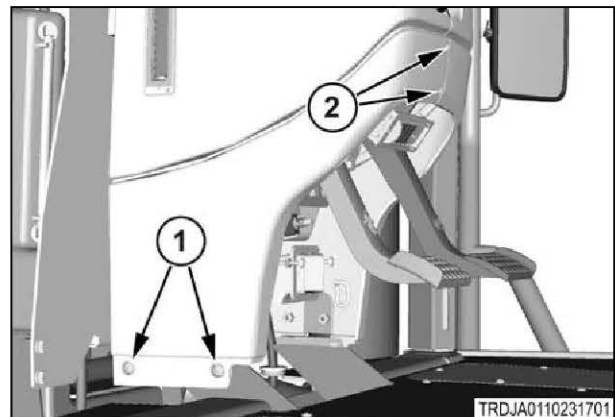


Fig. 75

## 11.7 Cab components

### 11.7.1 Remove the accessory bar

#### Procedure

1. Park the machine on a solid, level surface.
2. Apply the parking brake, stop the engine, and take the key with you.
3. Disconnect the power strip harness (1).

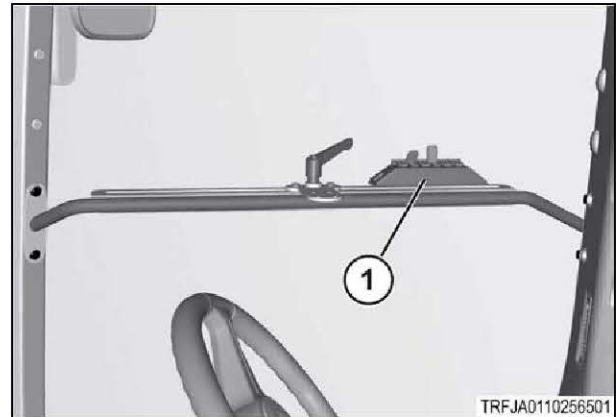


Fig. 76

4. If equipped with the auto guide monitor (1), remove the monitor and harness from the accessory bar.

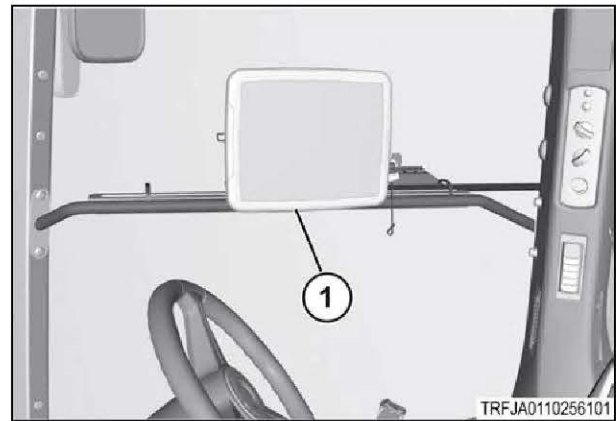


Fig. 77

5. Remove the hardware (1) from the left side of the accessory bar.

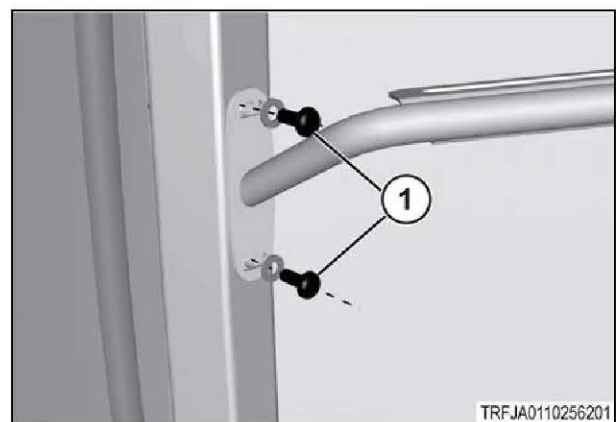


Fig. 78

11. Cab

6. Remove the hardware (1) from the right side of the accessory bar.
7. Remove the accessory bar.

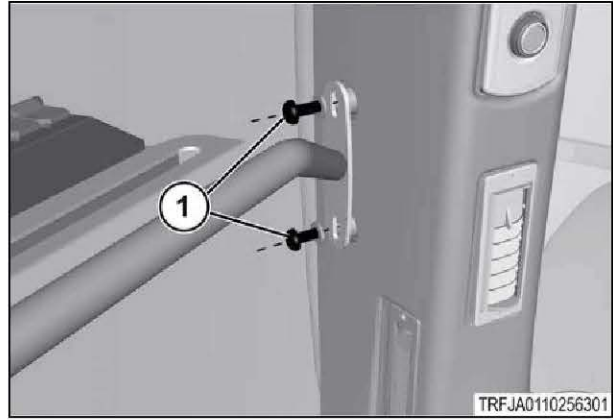


Fig. 79

8. Install the plugs (1).

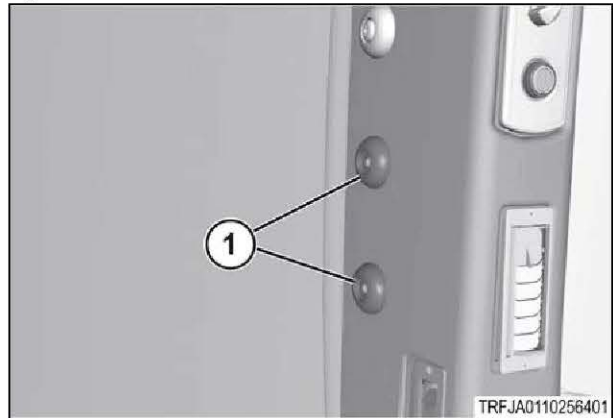


Fig. 80

### 11.7.2 Install the accessory bar

**Procedure**

1. Remove the plugs (1).

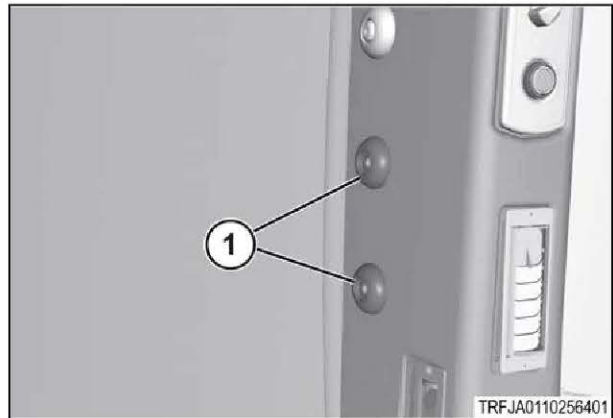


Fig. 81

2. Install the accessory bar with the hardware (1) on the right side.

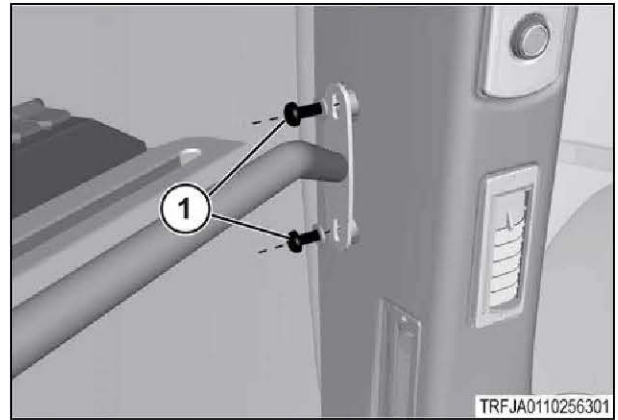


Fig. 82

3. Install the hardware (1) on the left side of the accessory bar.

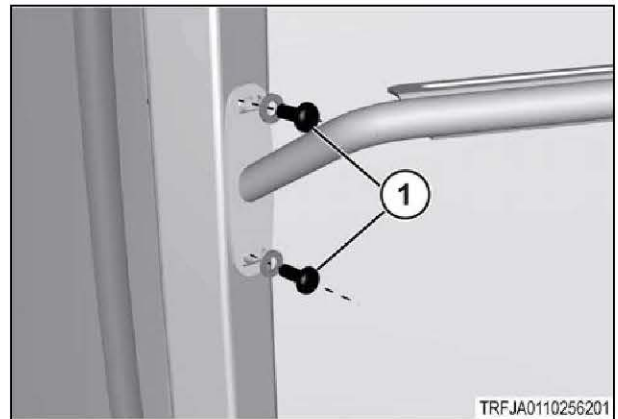


Fig. 83

4. If equipped with the auto guide monitor (1), install the monitor and harness.

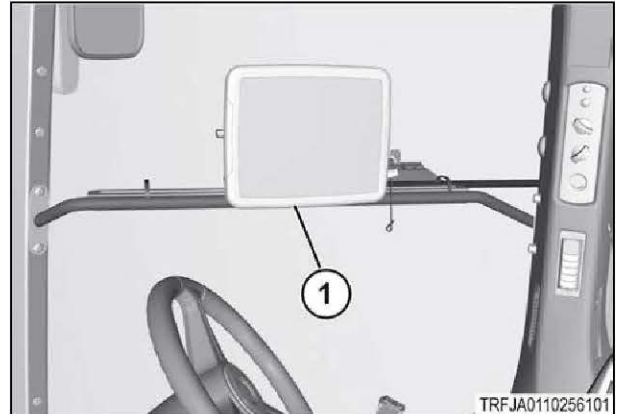


Fig. 84

5. Connect the harness to the power strip (1).

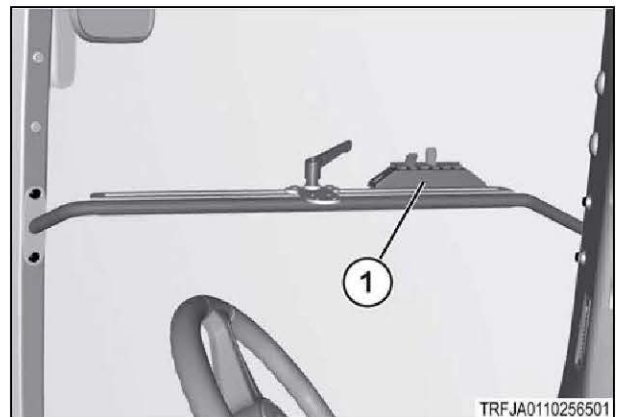


Fig. 85

### 11.7.3 Remove the Bluetooth microphone

#### Procedure

1. Park the machine on a solid, level surface.
2. Apply the parking brake, stop the engine, and take the key with you.
3. Locate the Bluetooth microphone (1) in the headliner above the steering wheel.

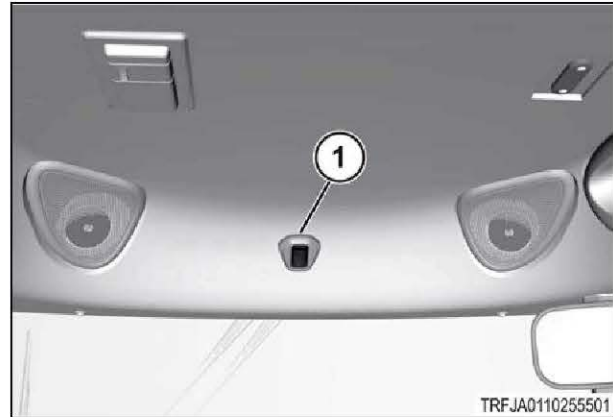


Fig. 86

4. Remove the microphone mounting cover (1).
5. Pull the Bluetooth microphone (2) a small distance from the opening.
6. Disconnect the harness and remove the microphone.

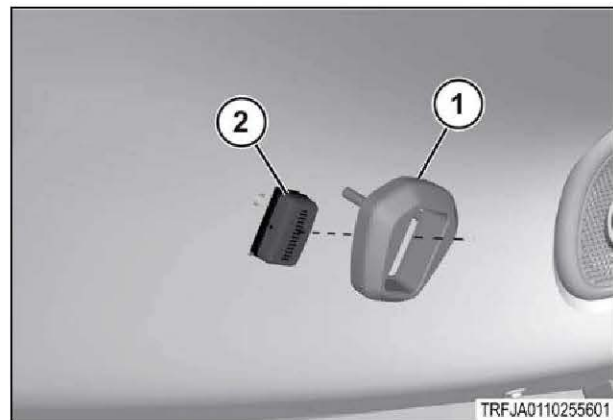


Fig. 87

### 11.7.4 Install the Bluetooth microphone

#### Procedure

1. Connect the harness to the Bluetooth microphone (2).
2. Install the Bluetooth microphone to the opening in the headliner.
3. Install the mounting cover (1).

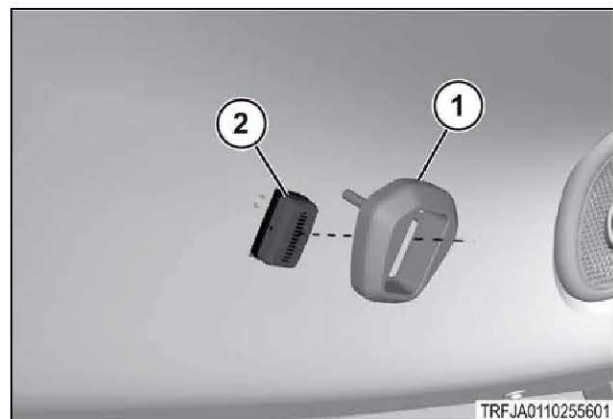


Fig. 88

### 11.7.5 Remove the radio bezel assembly

#### Procedure

1. Park the machine on a solid, level surface.
2. Apply the parking brake, stop the engine, and take the key with you.
3. Remove the radio (1).



Fig. 89

4. Remove the hardware (1).

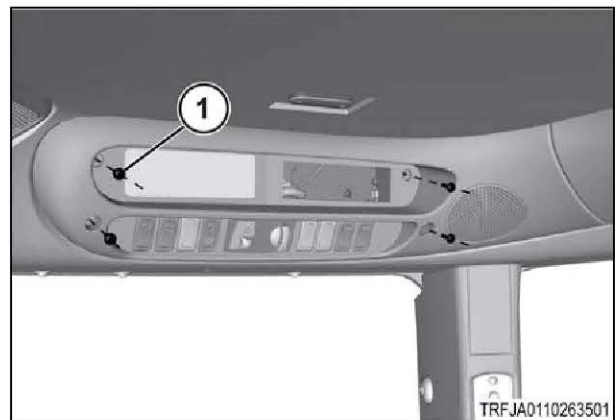


Fig. 90

5. Move the radio bezel assembly (1) a short distance and disconnect the harness from the switches.
6. Remove the radio bezel assembly.

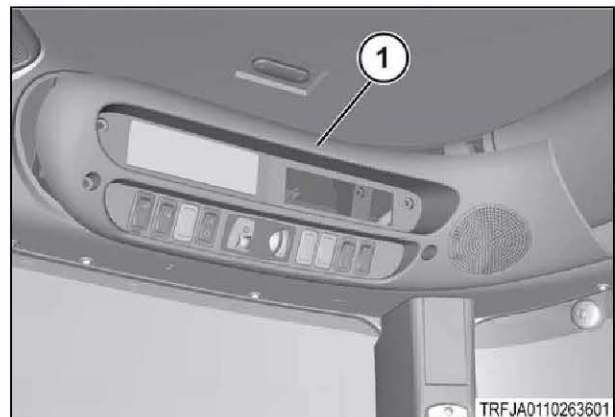


Fig. 91

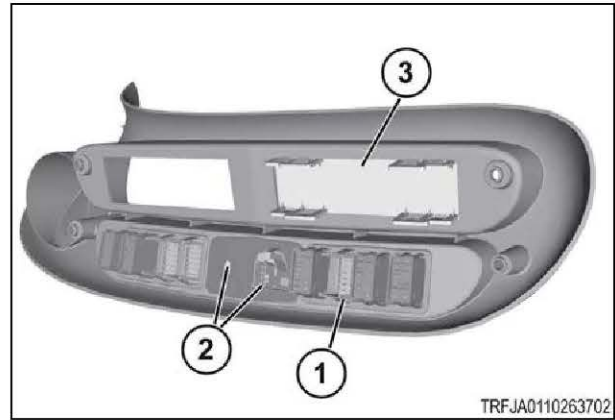
### 11.7.6 Disassemble the radio bezel assembly

#### Procedure

1. Remove the radio bezel assembly.

11. Cab

2. Press the tabs in on the switches (1) and remove from the bezel.
3. Remove the control knob and mirror adjustment switches (2) from the bezel.
4. Press the tabs in on the cover (3) and remove from the bezel.



TRFJA0110263702

Fig. 92

**Related Links**

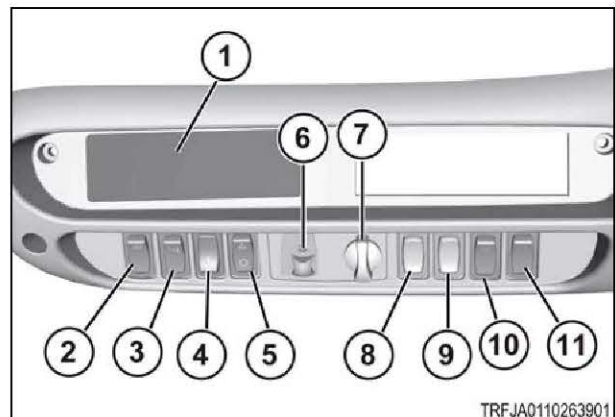
[Remove the radio bezel assembly](#) page 11-33

**11.77 Assemble the radio bezel assembly**

The following switches are install if the machine is equipped with the option. If the machine is not equipped with the option, install a plug instead.

**Procedure**

1. Install the cover (1).
2. Install the flood lamp switch (2).
3. Install the heated mirror switch (3).
4. Install the autoguide switch (4).
5. Install the hazard switch (5).
6. Install the mirror adjustment switch (6).
7. Install the control knob (7).
8. Install the wiper on/off switch (8).
9. Install the washer switch (9).
10. Install the porch lamp switch (10).
11. Install the beacon switch (11).
12. Install the radio bezel assembly.



TRFJA0110263901

Fig. 93

**Related Links**

[Install the radio bezel assembly](#) page 11-35

### 11.7.8 Install the radio bezel assembly

#### Procedure

1. Connect the harness to the switches.
2. Install the radio bezel assembly (1) to the headliner.

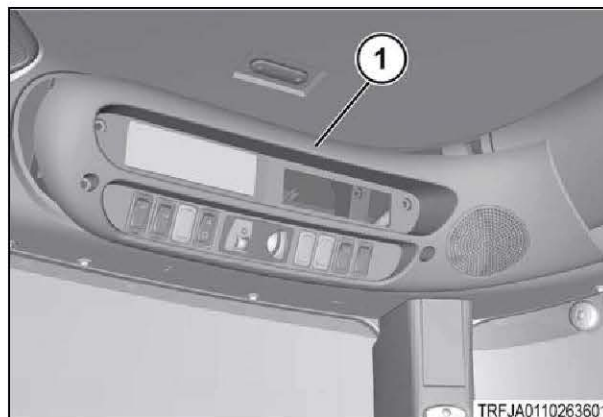


Fig. 94

3. Install the hardware (1).
4. Install the radio (1).

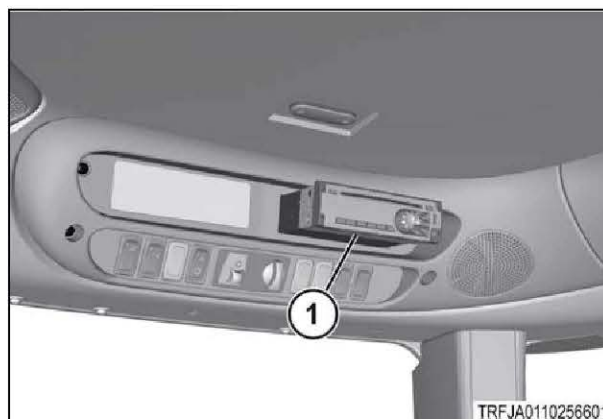


Fig. 95

### 11.7.9 Replace the dome lamp bulb

#### Procedure

1. Park the machine on a solid, level surface.
2. Apply the parking brake, stop the engine, and take the key with you.
3. Remove the dome lamp cover (1).



Fig. 96

11. Cab

4. Remove the existing lamp bulb (1).
5. Install the new lamp bulb.
6. Install the dome lamp cover.

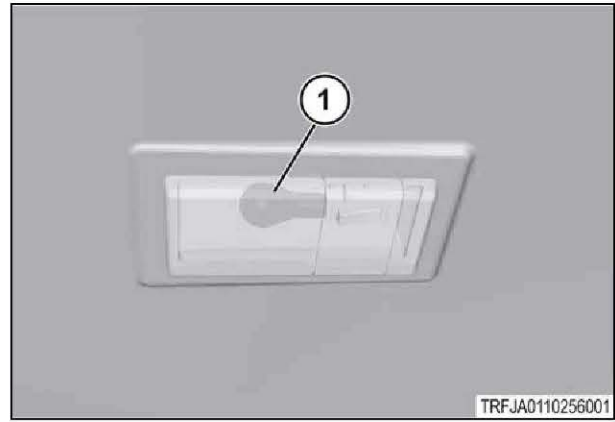


Fig. 97

### 11.7.10 Remove the courtesy lamp

**Procedure**

1. Park the machine on a solid, level surface.
2. Apply the parking brake, stop the engine, and take the key with you.
3. Locate the courtesy lamp (1) above the operator's seat.

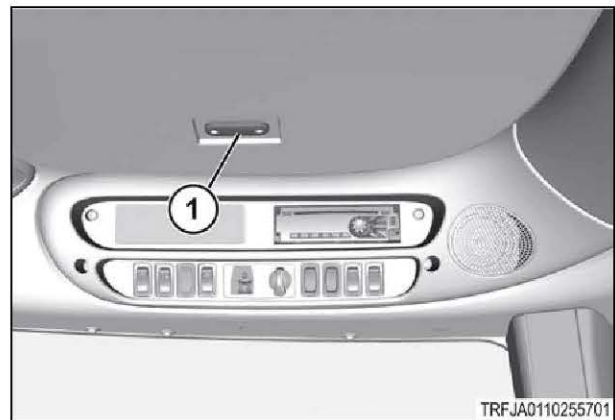


Fig. 98

4. Remove the screws (1) from the courtesy lamp.
5. Pull the courtesy lamp down a small distance.
6. Disconnect the courtesy lamp harness from the main harness.
7. Remove the courtesy lamp.

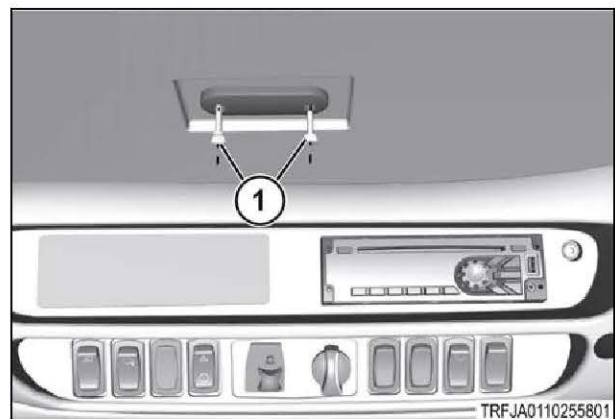


Fig. 99

### 11.7.11 Install the courtesy lamp

#### Procedure

1. Connect the courtesy lamp harness to the main harness.
2. Install the courtesy lamp.
3. Install the screws (1).

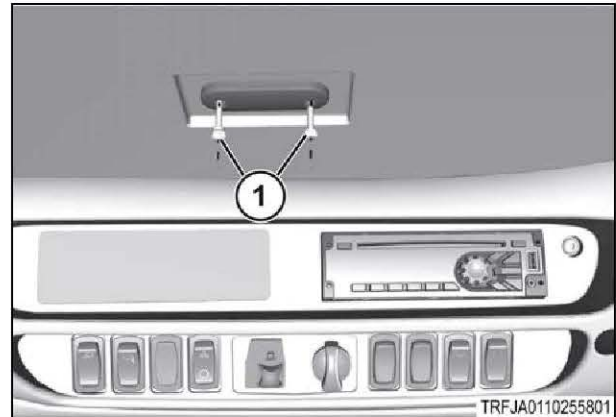


Fig. 100