

13 Chassis

13.1 Engine cover	13-3
13.1.1 Remove the engine cover	13-3
13.1.2 Disassemble the engine cover (MY2015 and earlier)	13-5
13.1.3 Assemble the engine cover (MY2015 and earlier)	13-11
13.1.4 Install the engine cover (MY2015 and earlier)	13-16
13.1.5 Remove the engine cover (MY2016 and later)	13-19
13.1.6 Disassemble the engine cover (MY2016 and later)	13-20
13.1.7 Assemble the engine cover (MY2016 and later)	13-25
13.1.8 Install the engine cover (MY2016 and later)	13-30
13.2 Fenders	13-32
13.2.1 Remove the right rear fender	13-32
13.2.2 Install the right rear fender	13-34
13.2.3 Remove the right front fender	13-36
13.2.4 Install the right front fender	13-39
13.2.5 Remove the left rear fender	13-43
13.2.6 Install the left rear fender	13-46
13.2.7 Remove the left front fender	13-49
13.2.8 Install the left front fender	13-52
13.3 Extremity arms	13-56
13.3.1 Remove the extremity arms	13-56
13.3.2 Install the extremity arms	13-56
13.4 Test the machine lighting	13-58

13.1 Engine cover

13.1.1 Remove the engine cover

Procedure

1. Park the machine on a solid, level surface. Stop the engine, apply the parking brake, and take the key with you.
2. Rotate and remove the battery disconnect key (1) to disconnect the battery power.

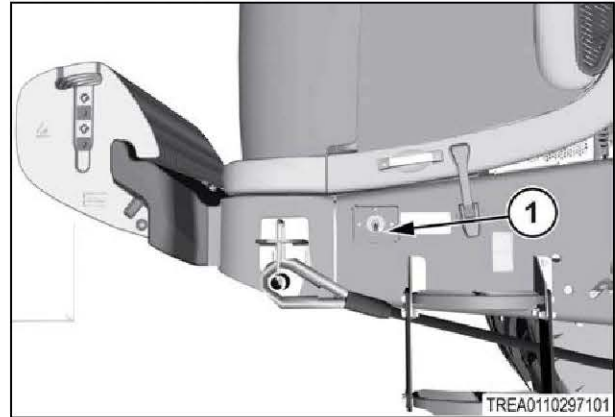


Fig. 1

3. Fasten the lifting equipment (1) to a sturdy location on the engine cover (2.)

IMPORTANT:

Weight of the engine cover is 130 kg (285 lb).

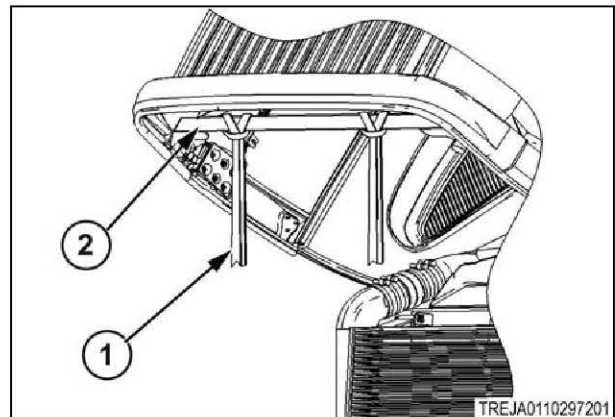


Fig. 2

4. Disconnect the wire harness (1) on the left-hand side at the rear of the engine cover.

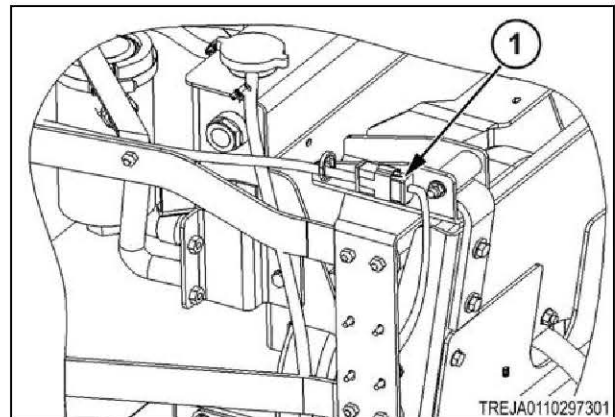


Fig. 3

5. Raise the access door(1) and fasten the lifting equipment (2)to a sturdy location.

IMPORTANT:

Weight of the engine cover is 130 kg (285 lb).

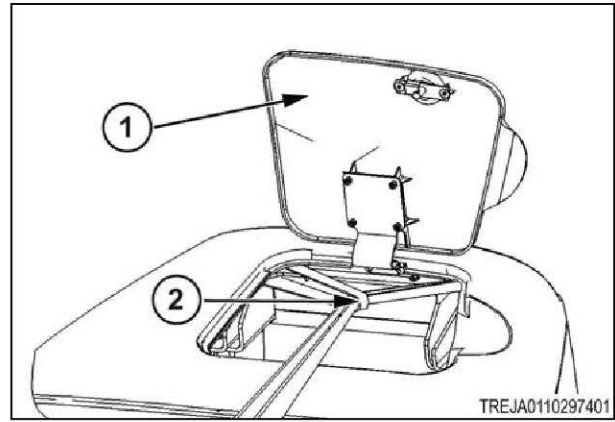


Fig. 4

6. Remove the support shock (1) from the bottom bracket (2)on both sides of the machine and fasten out of the way.

NOTE:

Support the engine cover with the correct lifting device before removing support shock.

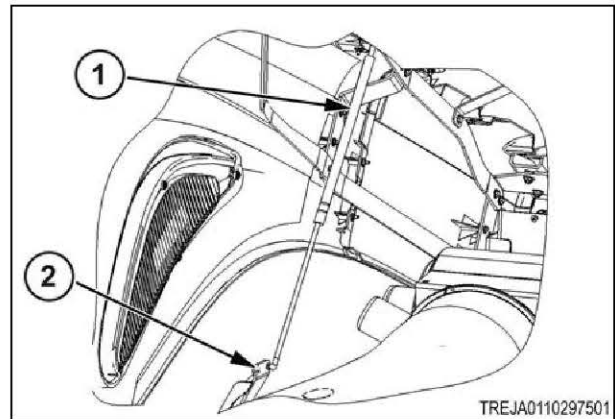


Fig. 5

7. Disconnect the hinges by removing the bolts (1).

NOTE:

Lower the engine cover before disconnecting hinges.

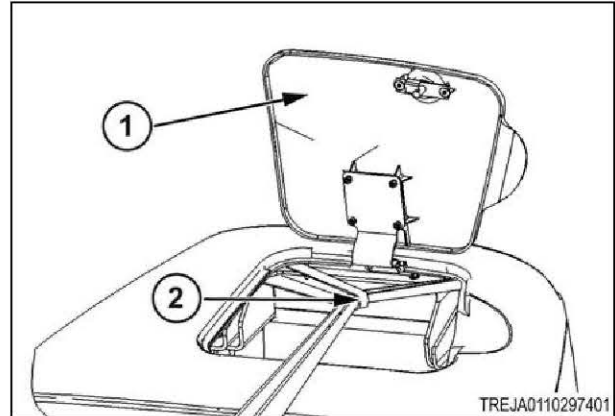


Fig. 6

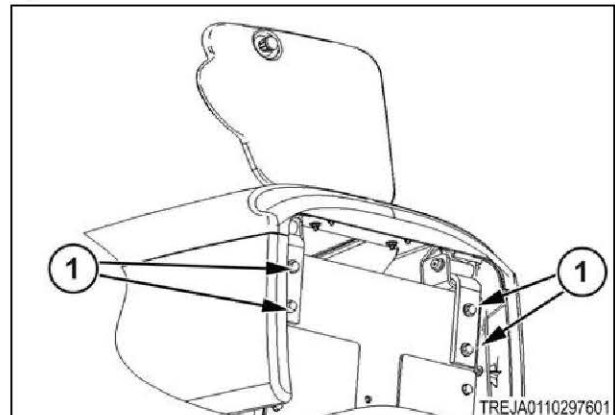


Fig. 7

8. Remove the engine cover(1).

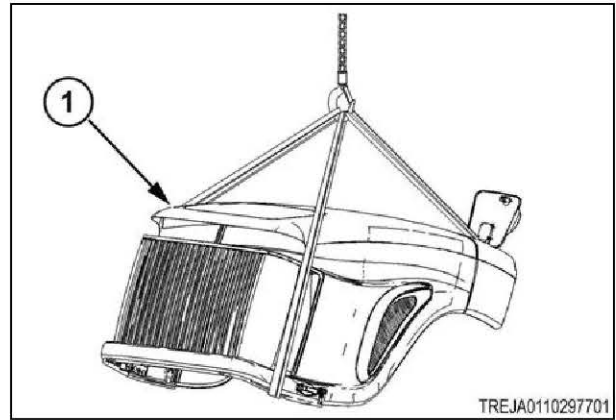


Fig. 8

13.1.2 Disassemble the engine cover (MY2015 and earlier)

Procedure

1. Remove the hardware (1), the catch (2) and the latch (3) from both sides of the engine cover.



Fig. 9

2. Disconnect the wire harness (1) from all six headlamps.



Fig. 10

3. Remove the hardware (1) and the wire harness (2) from the engine cover.

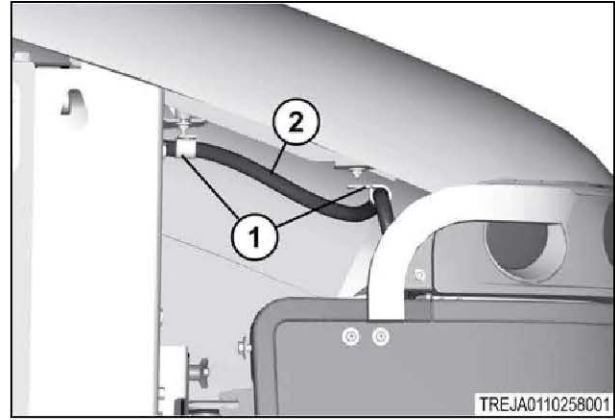


Fig. 11

4. Remove the hardware (1) and the six headlamps (2).

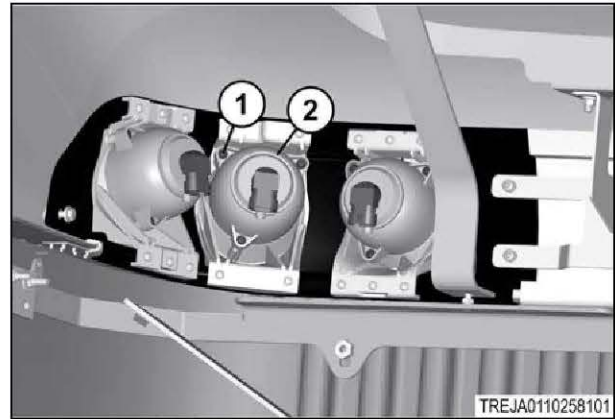


Fig. 12

5. Remove the hardware (1) and the headlamp fixtures (2).

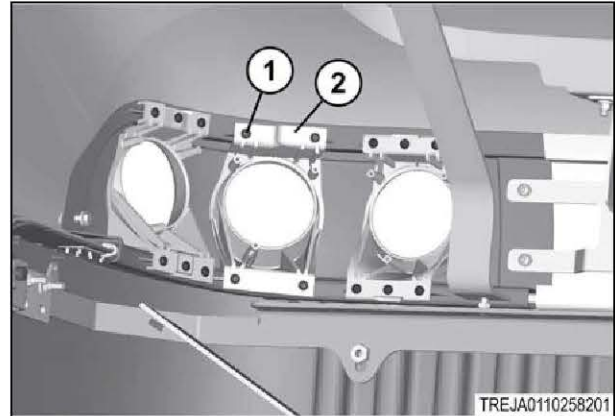


Fig. 13

6. Remove the hardware (1) and the headlamp housings (2).

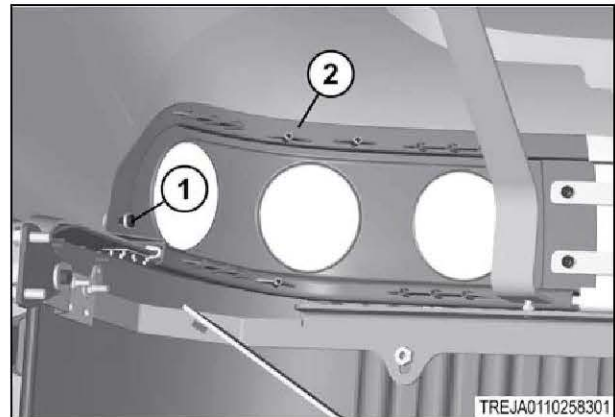


Fig. 14

7. Remove the hardware (1, 2), the headlamp bracket (3), and the emblem assembly.

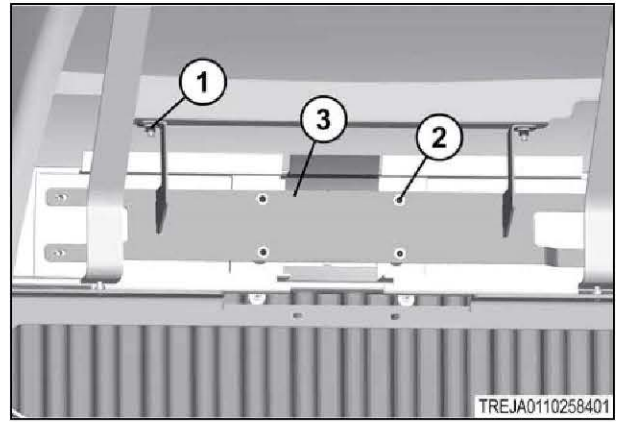


Fig. 15

8. Remove the hardware (1), the grille supports (2), and the top grille (3).

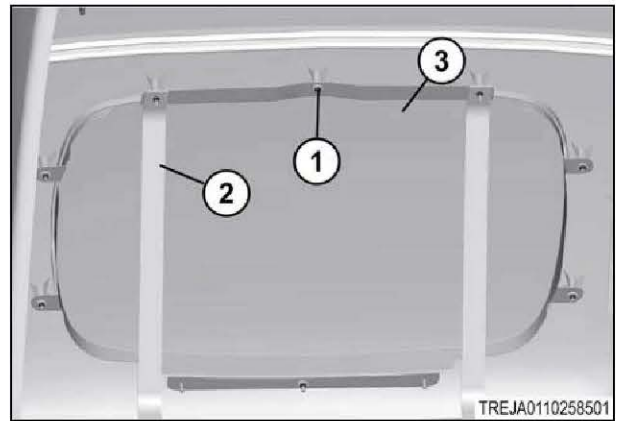


Fig. 16

9. Remove the hardware (1) from the frame assembly (2).

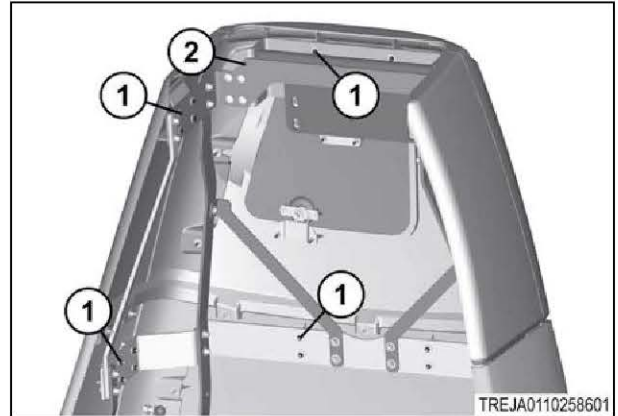


Fig. 17

10. Remove the hardware (1) and the frame assembly (2) from the engine cover.

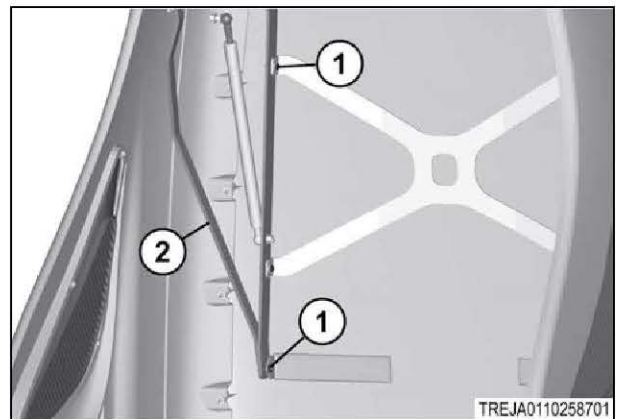


Fig. 18

- 11.** Remove the hardware (1, 4), the plate assembly (2), and the brackets (3, 5).

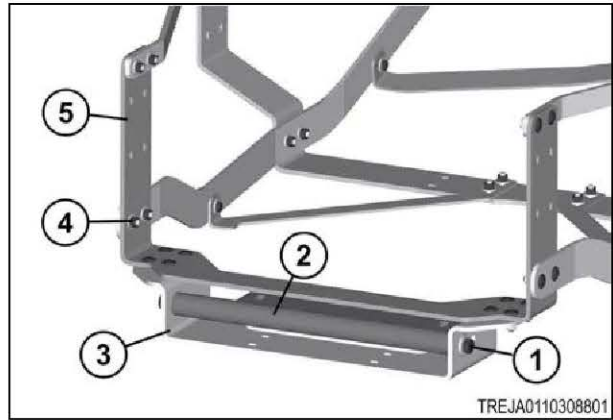


Fig. 19

- 12.** Remove the hardware (1), the brackets (2), and the shocks (3).

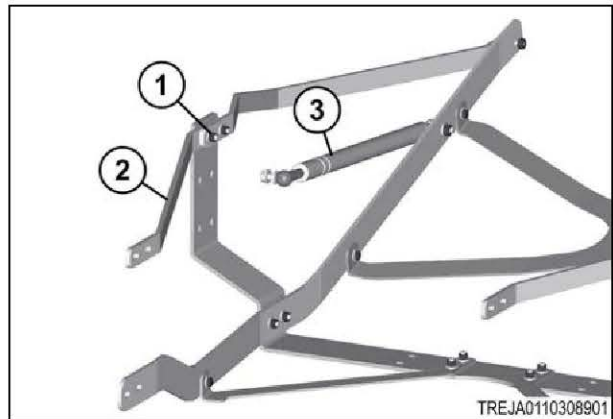


Fig. 20

- 13.** Remove the hardware (1) and the cross bar mounting brackets (2).

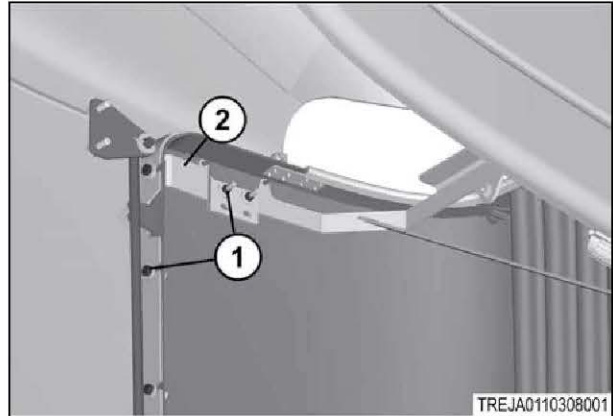


Fig. 21

- 14.** Remove the hardware (1), the cross bar assembly (2), and the rubber isolators (3).

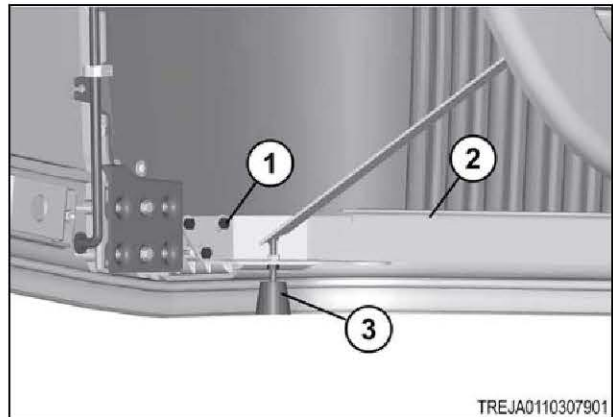


Fig. 22

15. Remove the hardware (1), the grille assembly (2), the top and bottom retainer assemblies (3), and the seals.

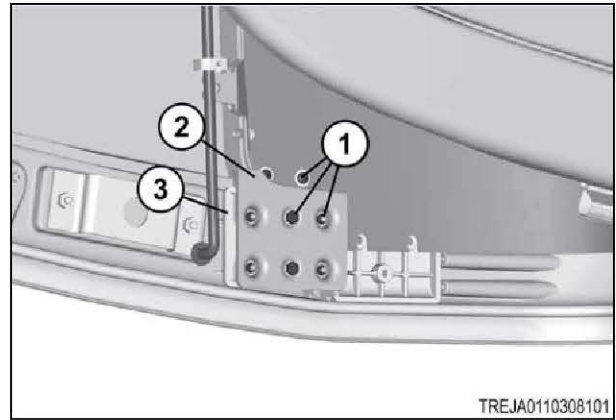


Fig. 23

16. Remove the hardware (1), the handle (2), and the bracket (3).

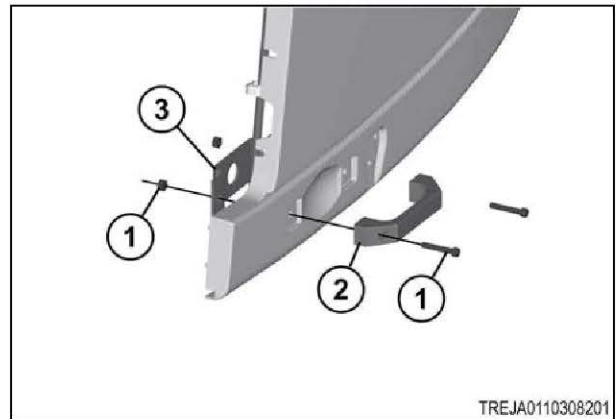


Fig. 24

17. Remove the seal (1).



Fig. 25

18. Remove the hardware (1), the side panels (2, 4), and the top panel (3).

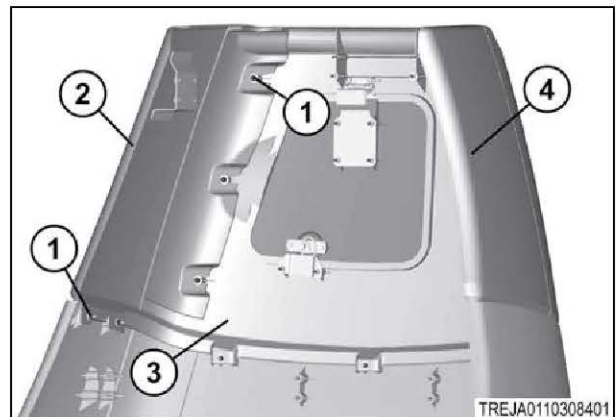


Fig. 26

19. Remove the hardware (1), the cover bracket (2), and the hinge spring (3). Remove the latch (4), the bracket (5), and the cover (6).

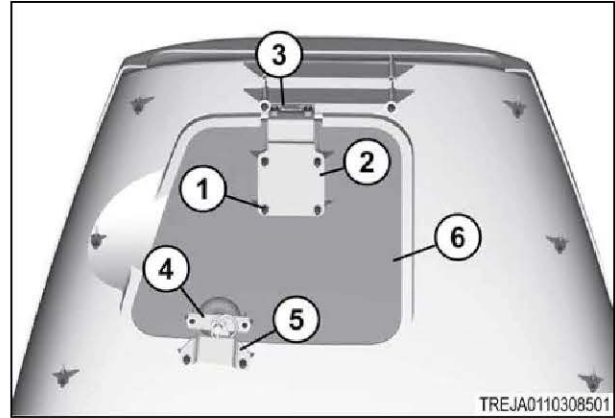


Fig. 27

20. Remove the hardware (1) and the bottom side grilles (2).

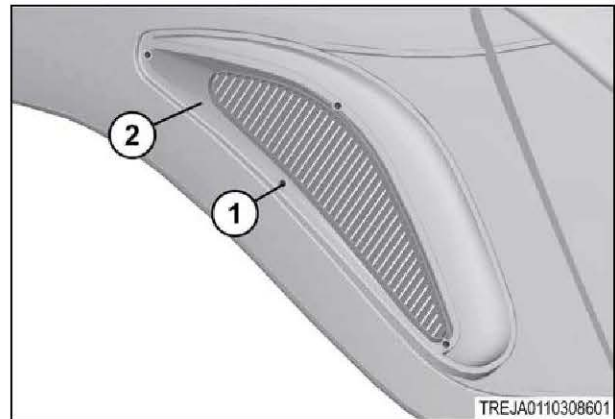


Fig. 28

21. Remove the hardware (1), the side panels (2, 4), and the top panel (3).

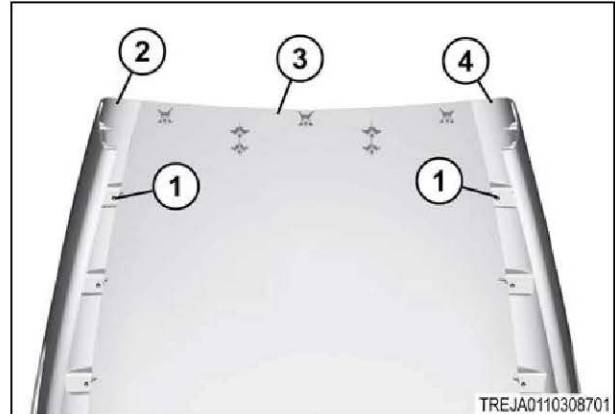


Fig. 29

13.1.3 Assemble the engine cover (MY2015 and earlier)

Procedure

1. Install the side panels (2, 4), to the top panel (3) with the hardware (1).

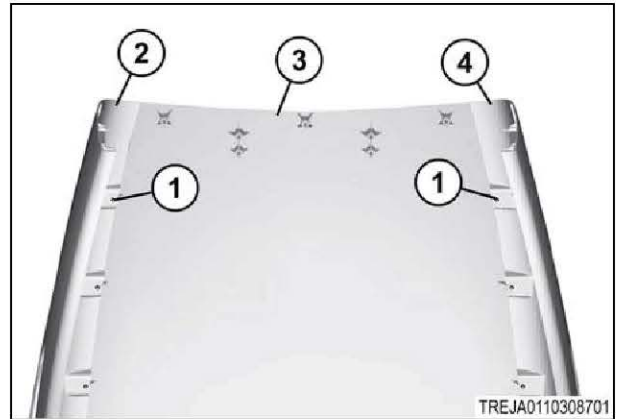


Fig. 30

2. Install the bottom side grilles (2) with the hardware (1).

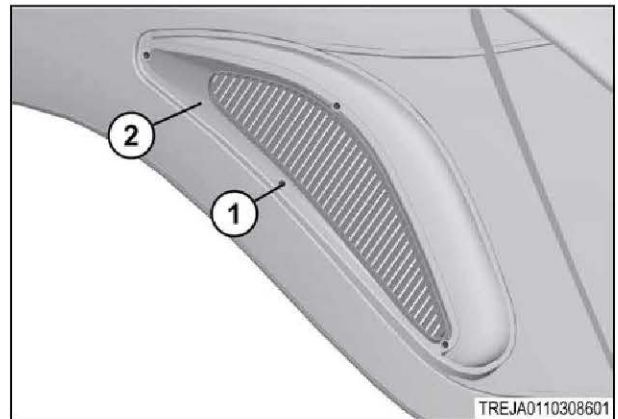


Fig. 31

3. Install the cover bracket (2), and the hinge spring (3) with the hardware (1). Install the latch (4), and the bracket (5), with the cover (6).

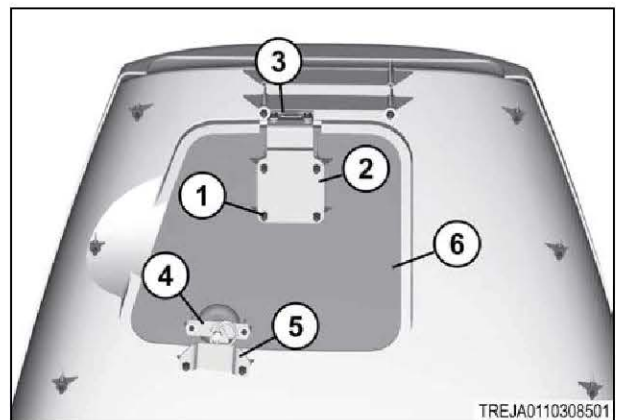


Fig. 32

4. Install the side panels (2, 4), to the top panel (3) with the hardware (1).

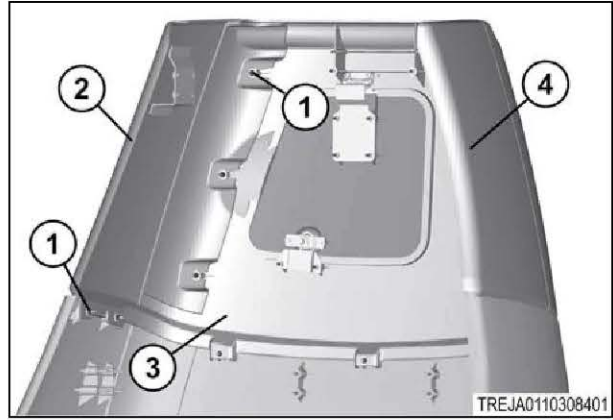


Fig. 33

5. Install the seal (1).

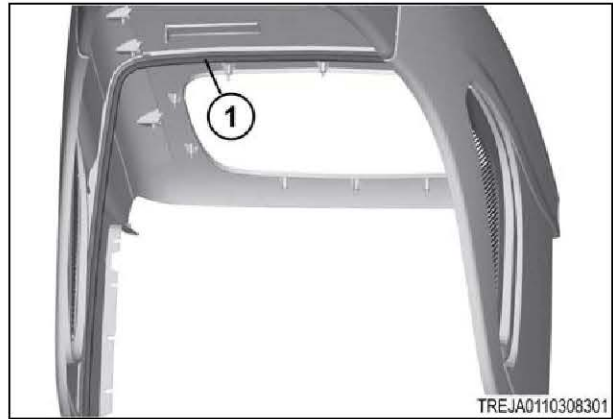


Fig. 34

6. Install the handle (2), and the bracket (3) with the hardware (1).

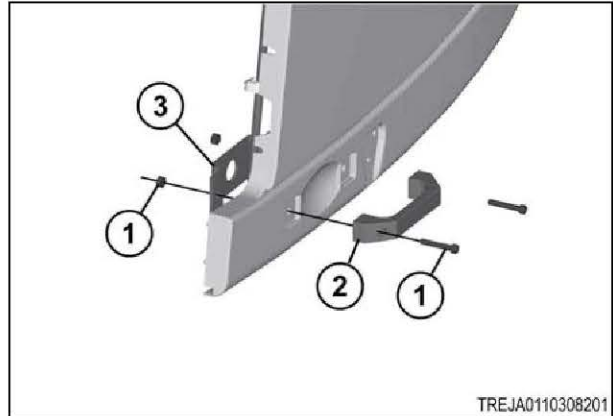


Fig. 35

7. Install the seals, the retainer assemblies (3), and the grille assembly (2) with the hardware (1).

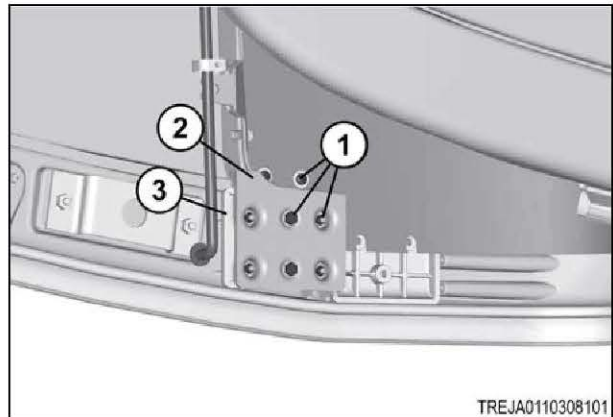


Fig. 36

8. Install the cross bar assembly (2), and the rubber isolators (3) with the hardware (1).

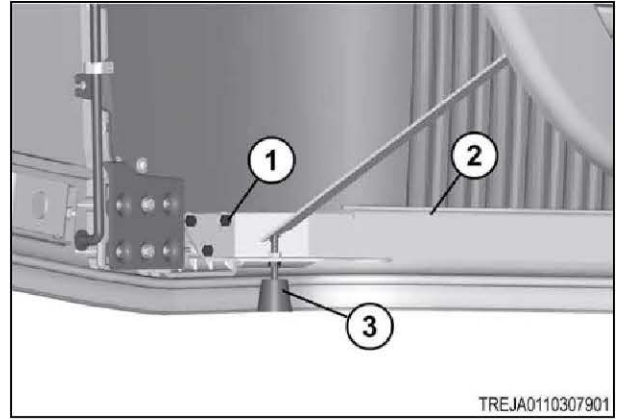


Fig. 37

9. Install the cross bar mounting brackets (2) with the hardware (1).

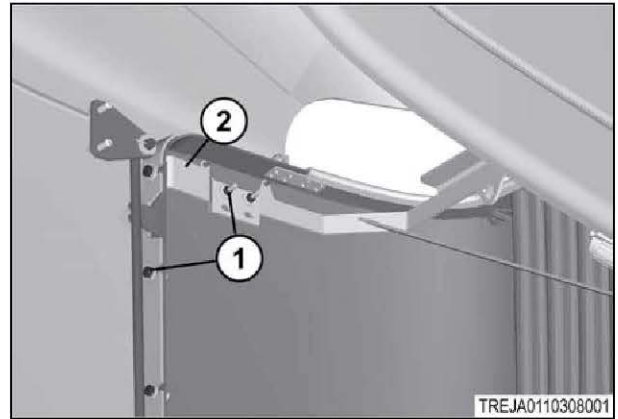


Fig. 38

10. Install the shocks (3), and the brackets (2), with the hardware (1).

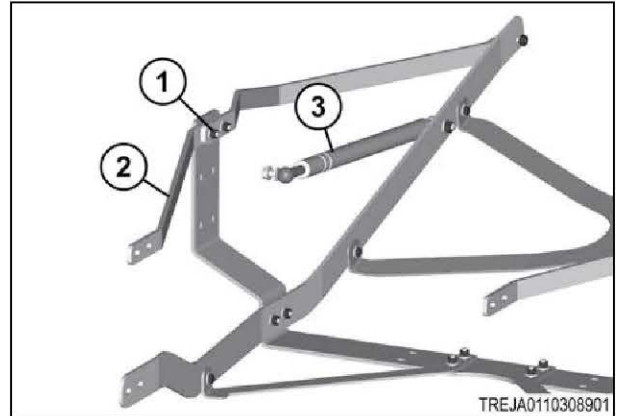


Fig. 39

11. Install the plate assembly (2), to the bracket (3), with the hardware (1). Install the bracket (5) with the hardware (4).

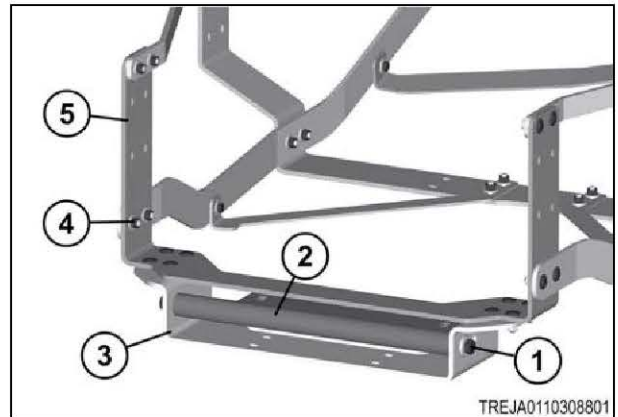


Fig. 40

- 12.** Install the frame assembly (2) to the engine cover with the hardware (1).

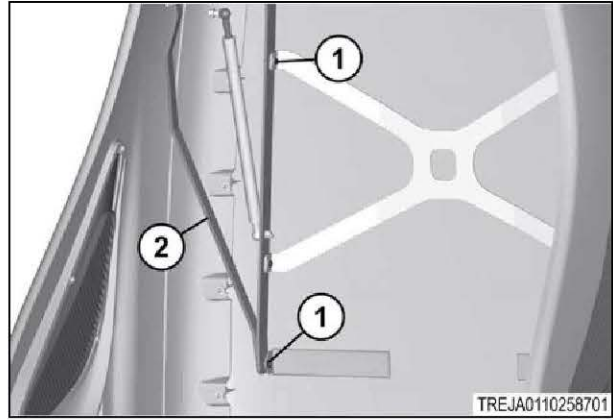


Fig. 41

- 13.** Install the frame brackets (2) with the hardware (1).

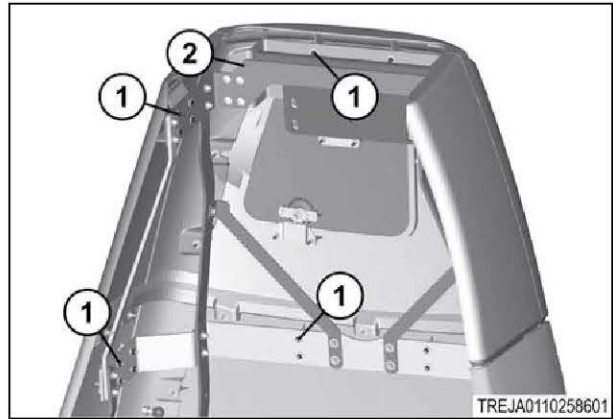


Fig. 42

- 14.** Install the latch (3), and the catch (2) with the hardware (1).

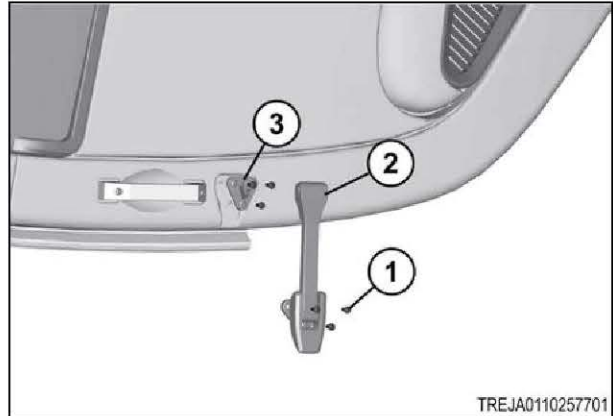


Fig. 43

- 15.** Install the top grille (3), and the grille supports (2) with the hardware (1).

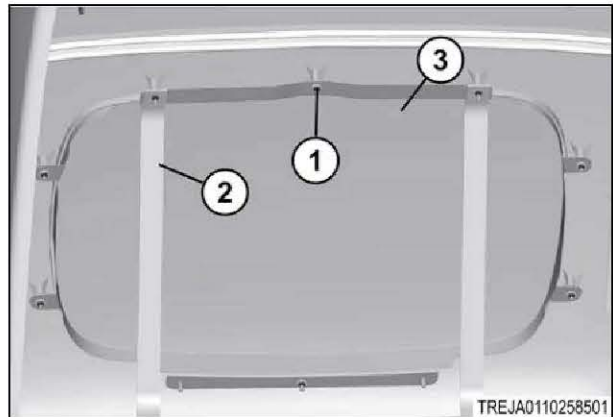


Fig. 44

16. Install the headlamp bracket (3), and the emblem assembly with the hardware (1, 2).

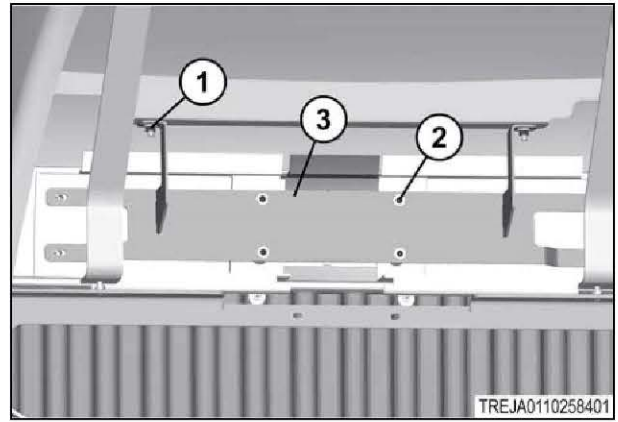


Fig. 45

17. Install the headlamp housings (2) with the hardware (1).

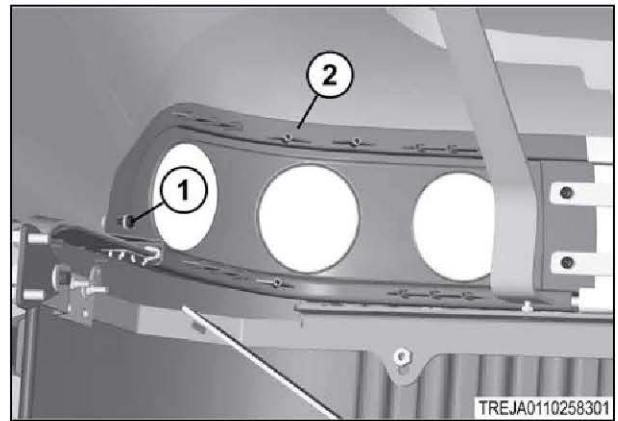


Fig. 46

18. Install the headlamp fixtures (2) with the hardware (1).

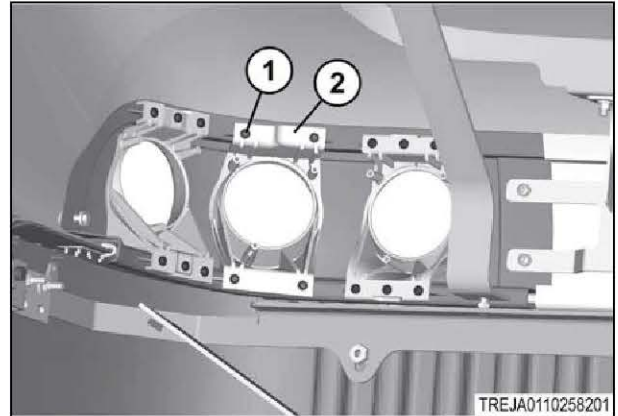


Fig. 47

19. Install the headlamps (2) with the hardware (1).

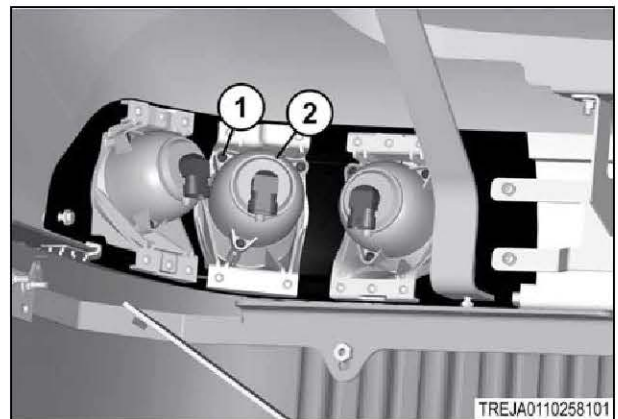


Fig. 48

20. Install the wire harness (2) with the hardware (1).

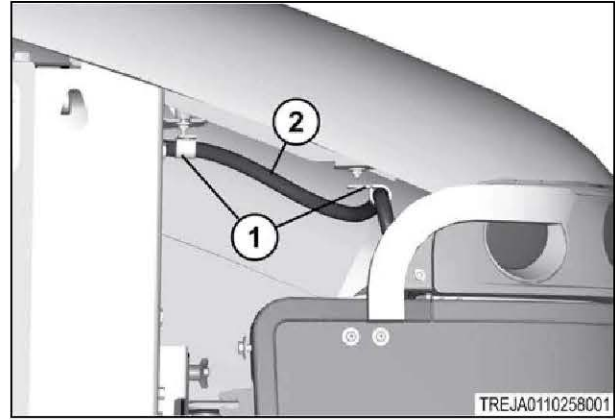


Fig. 49

21. Connect the wire harness (1) to the headlamps.

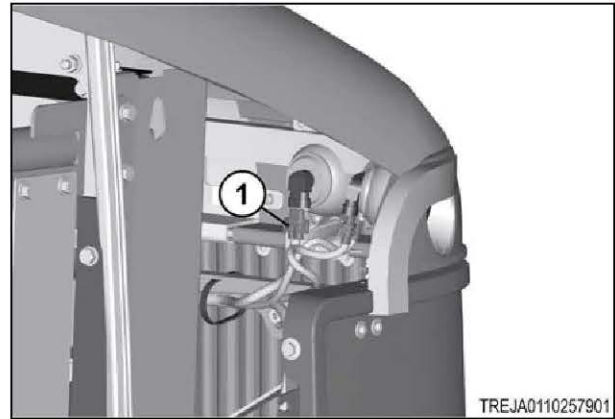


Fig. 50

13.1.4 Install the engine cover (MY2015 and earlier)

IMPORTANT:

The weight of the engine cover is approximately 130 kg (285 lb).

Procedure

1. Park the machine on a solid, level surface. Stop the engine, apply the park brake, and take the key with you.
2. Rotate and remove the battery disconnect key (1) to disconnect the battery power.

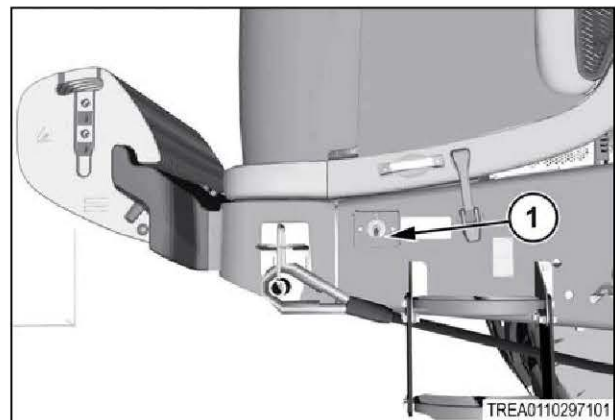


Fig. 51

3. Fasten the lifting equipment (1) to a sturdy location on the engine cover (2.)

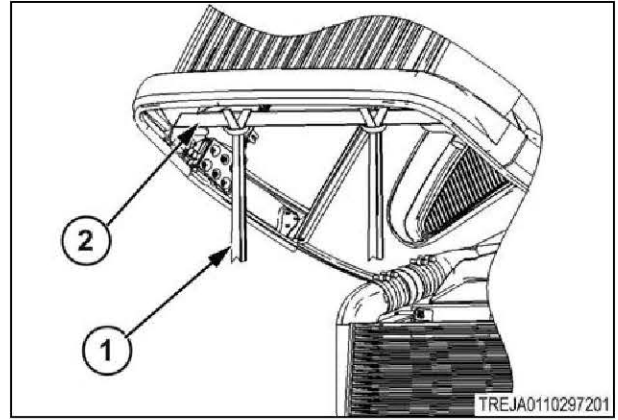


Fig. 52

4. Raise the access door(1) and fasten the lifting equipment (2)to a sturdy location.

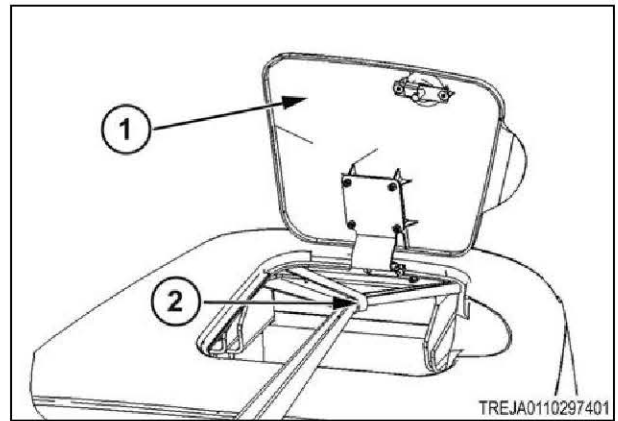


Fig. 53

5. Install the engine cover (1).

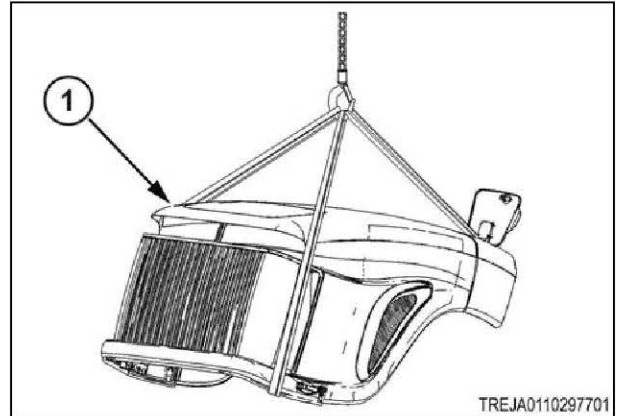


Fig. 54

6. Connect the hinges by installing the four bolts(1) and washers.
Tighten to 55 Nm (41 lbf ft).

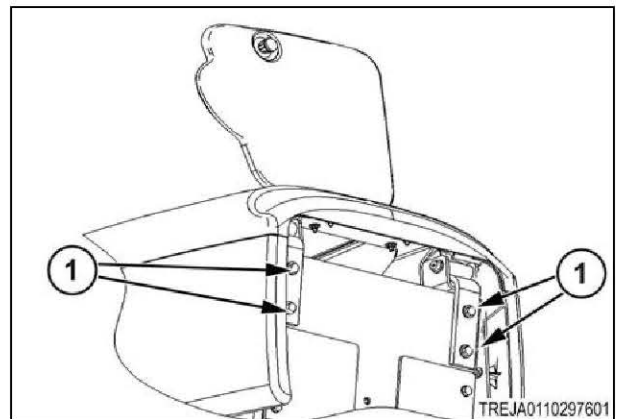


Fig. 55

13. Chassis

- 7. Disconnect the lifting equipment from the engine cover(1).
- 8. Lower the access door(2).
- 9. Fasten the latch(3).

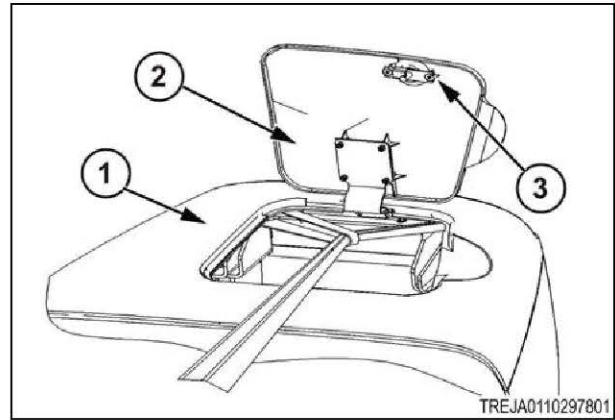


Fig. 56

- 10. Connect the wire harness (1) on the left-hand side of the engine cover.

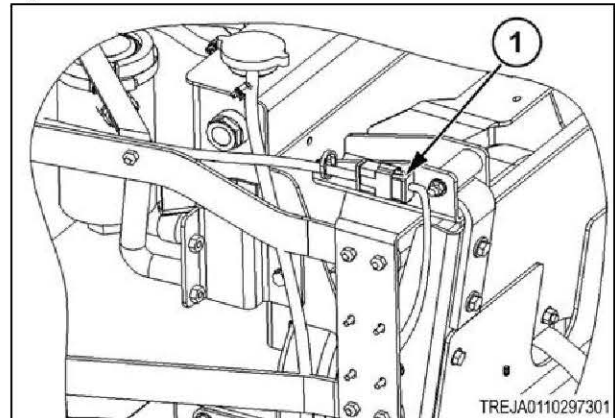


Fig. 57

- 11. Remove the lifting equipment (1) from the engine cover(2).

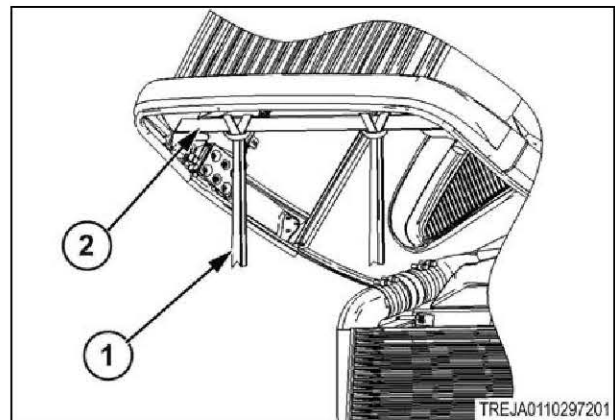


Fig. 58

- 12. Install the battery disconnect key (1)and rotate to connect the battery (1).



Fig. 59

13.1.5 Remove the engine cover (MY2016 and later)

Procedure

1. Park the machine on a solid, level surface. Stop the engine, apply the park brake, and take the key with you.
2. Remove the battery disconnect switch key.
3. Lift the back panel (1).

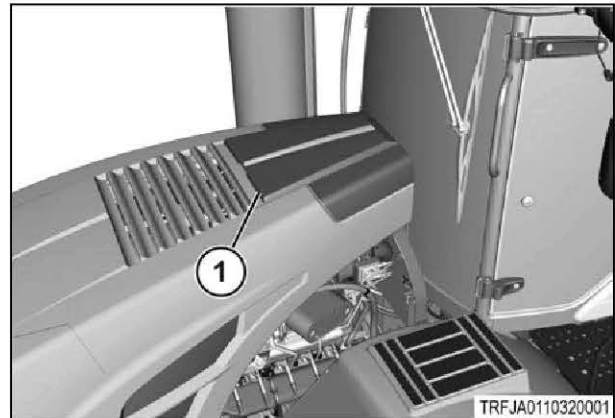


Fig. 60

4. Disconnect the headlamp wire harness from the chassis harness.
5. Remove the hardware and disconnect both shocks (1) from the lower mounts.
6. Fasten the shocks to the engine cover frame rails with plastic ties.

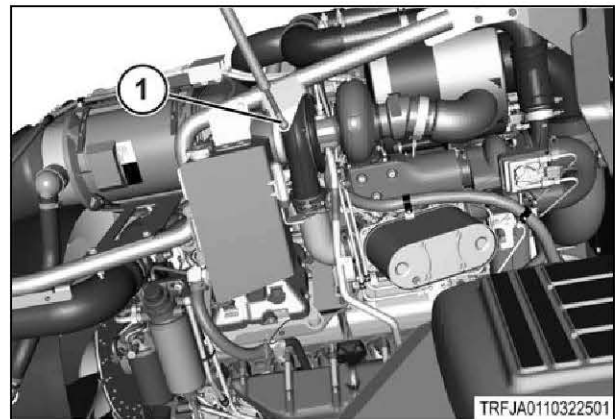



Fig. 61

7. Remove the hardware (1) from the engine cover bracket.

8.  **WARNING:**
The engine cover is heavy. To prevent serious injury, support the engine cover with the correct lifting equipment during the removal procedure.

Support the engine cover with the correct lifting equipment.

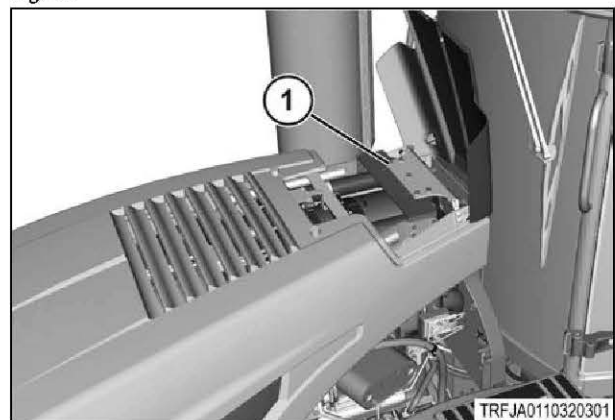


Fig. 62

9. Use the correct lifting equipment to remove the engine cover.

13.1.6 Disassemble the engine cover (MY2016 and later)

Procedure

1. Remove the engine cover.
2. Remove the hardware (1), the catch (2), and the latch (3) from each side of the engine cover.

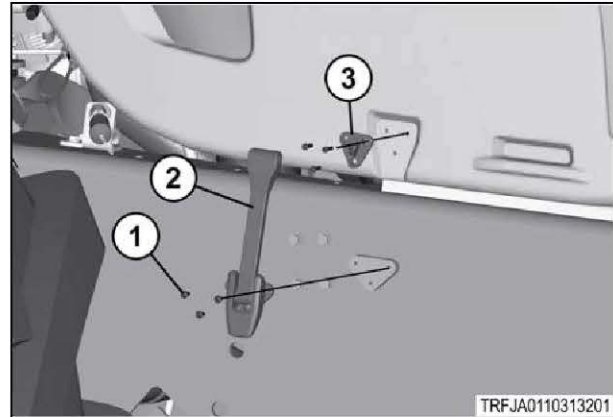


Fig. 63

3. Disconnect the wire harness (1) from all six headlamps.

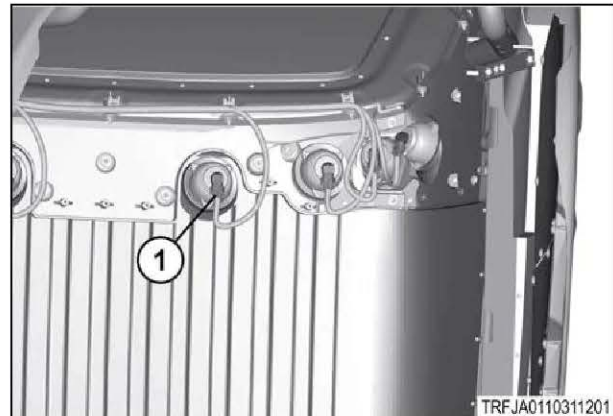


Fig. 64

4. Remove the hardware (1) and the wire harness (2) from the engine cover.

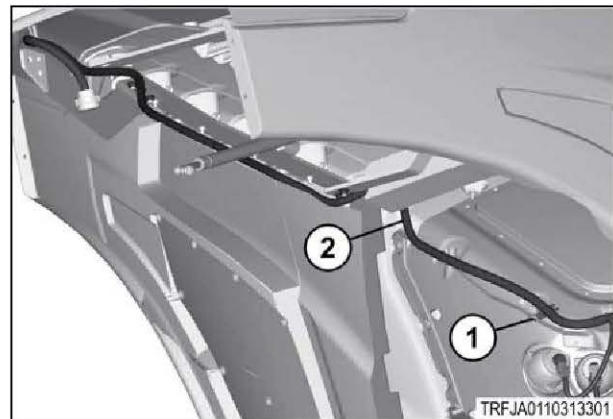


Fig. 65

5. Remove the hardware (1) and the headlamps (2).

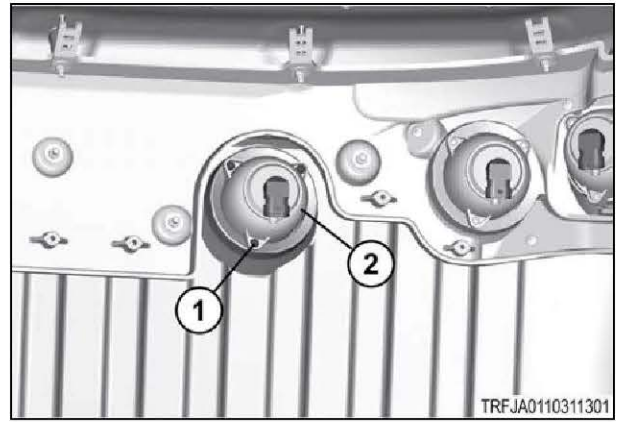


Fig. 66

6. Remove the hardware (1), the center lamp bezel (5), and the left and right lamp bezel (3).
7. Remove the center bezel support (4), and the left and right bezel supports (2).

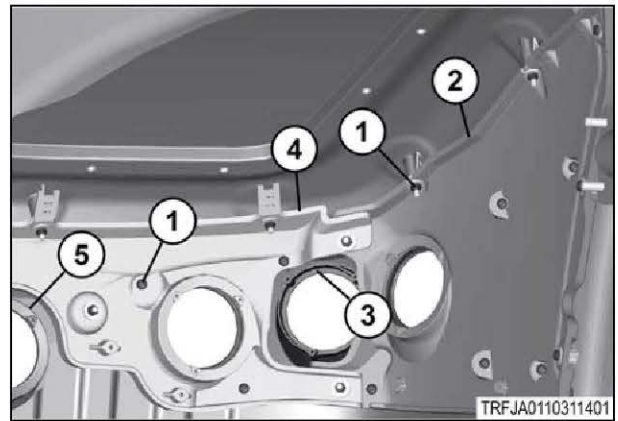


Fig. 67

8. Remove the hardware (1), and the top engine cover grille (2).

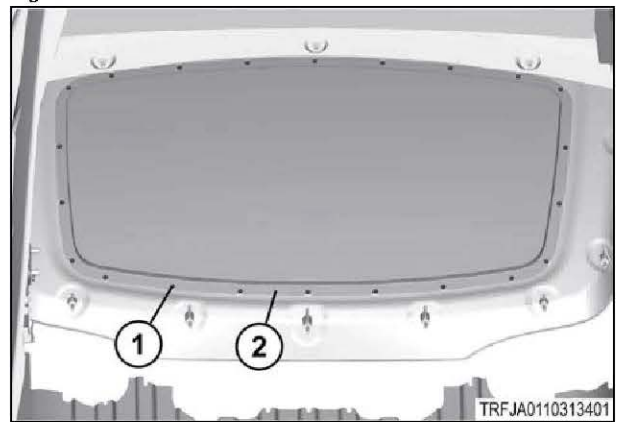


Fig. 68

9. Remove the hardware (1) from the engine cover front panel (2).

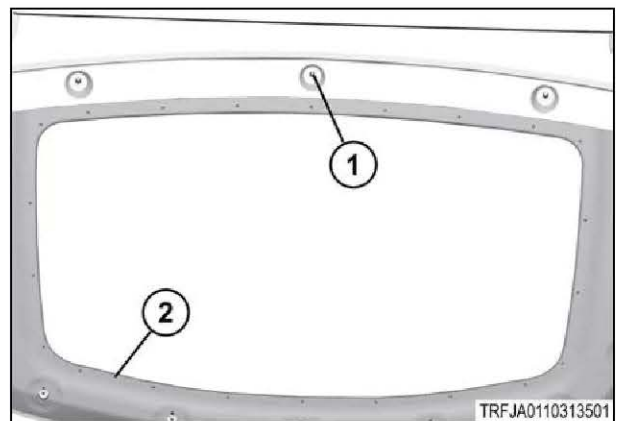


Fig. 69

- 10.** Remove the hardware (1) and the support arms (2), from the frame assembly.

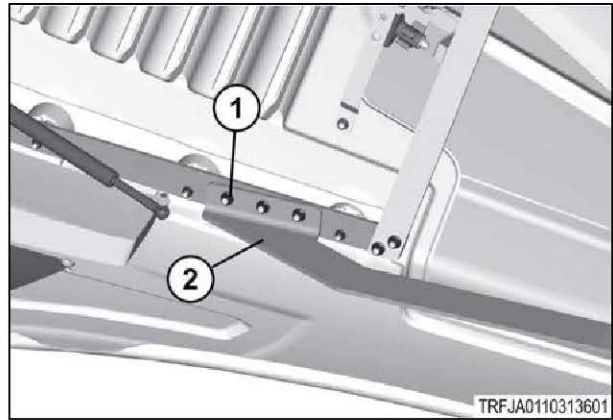


Fig. 70

- 11.** Remove the gas struts (1) from the frame assembly.

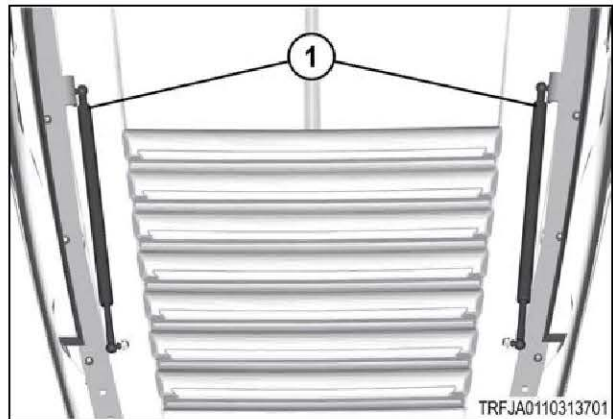


Fig. 71

- 12.** Remove the hardware (1), and the clips (2).
13. Remove the hardware (3), and the engine cover bracket (4).
14. Remove the hardware (5), and the latch support plates (6).

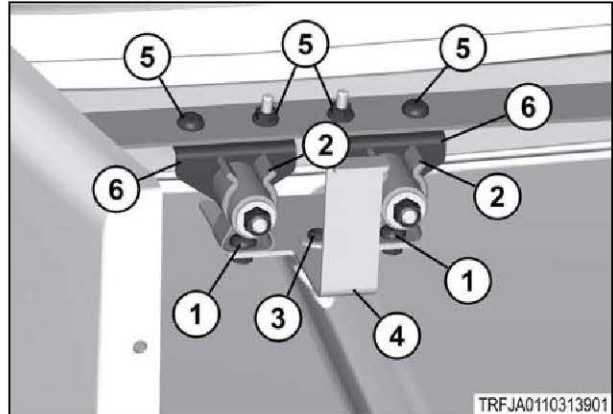


Fig. 72

- 15.** Remove the hardware (1), and the engine cover latch support (2).

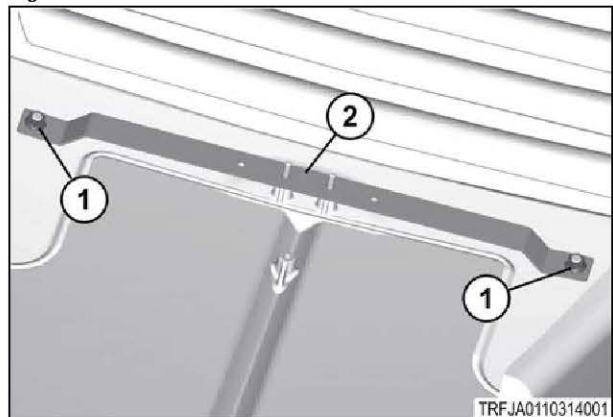


Fig. 73

16. Remove the hardware (1), the support strap (2), and the seals (3) from each side.

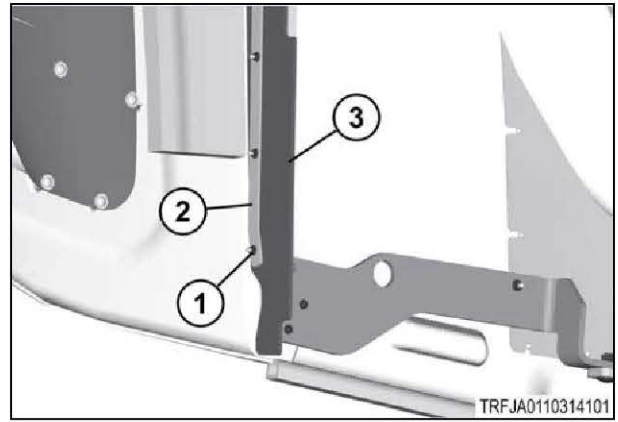


Fig. 74

17. Remove the hardware (1), the bottom brace (2), and the left and right side bracket (3).

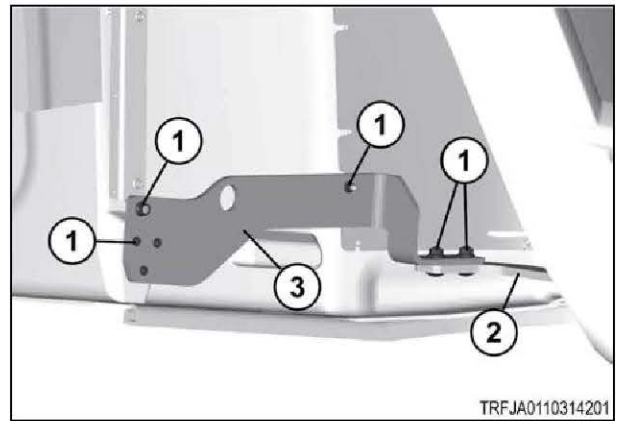


Fig. 75

18. Remove the hardware (1), and the left and right side seal support plate (2).

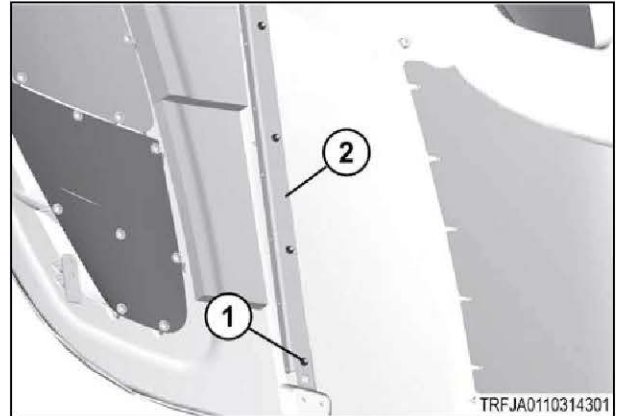


Fig. 76

19. Remove the top seal (1), and the foam insulation (2).

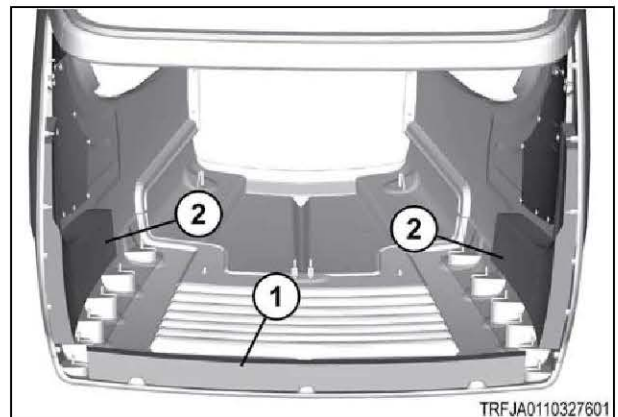


Fig. 77

20. Remove the seal (1), the hardware (2), and the bottom grille mount (3).

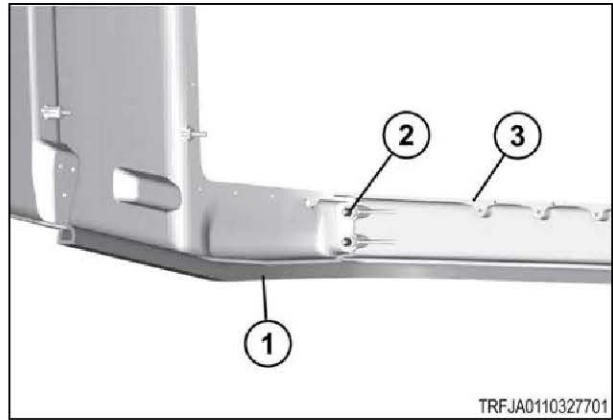


Fig. 78

21. Remove the hardware (1), the stop bracket (2) from each side of the engine cover.
22. Remove the screws (3), and the side grilles (4).

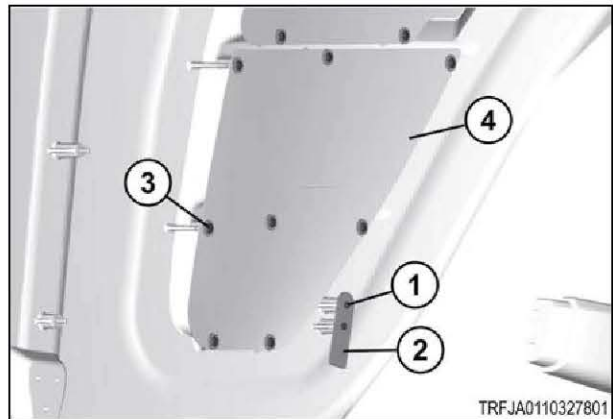


Fig. 79

23. Remove the hardware (1), and the frame arms (2-5) from the engine cover.

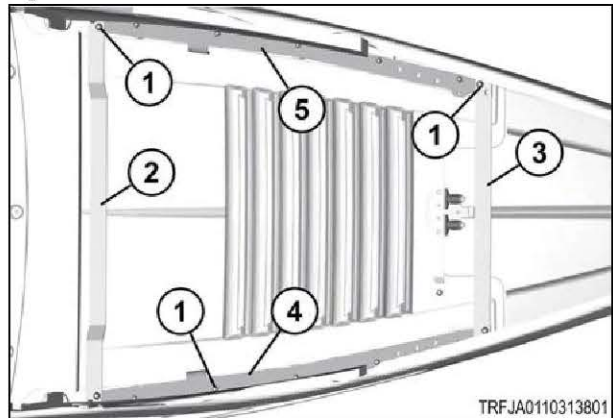


Fig. 80

24. Disassemble the cover (1), the right panel (2), the left panel (3), and the top panel (4).

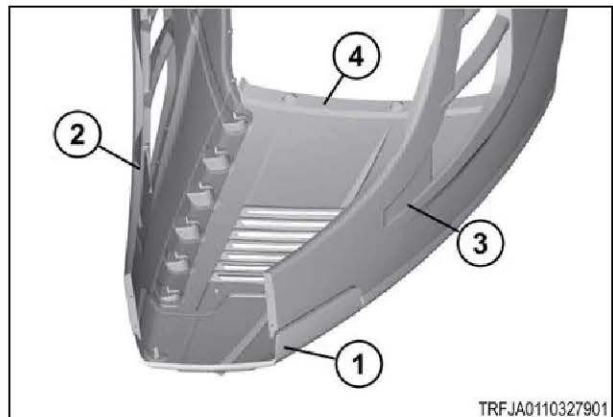


Fig. 81

Related Links

Remove the engine cover (MY2016 and later) page 13-19

13.1.7 Assemble the engine cover (MY2016 and later)

Procedure

1. Prepare to assemble the cover (1), the right panel (2), the left panel (3), and the top panel (4).

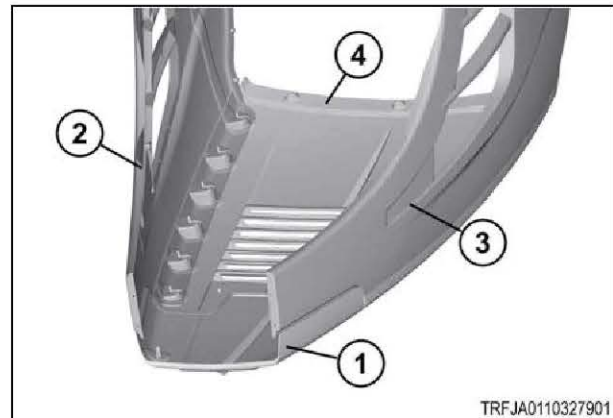


Fig. 82

2. Use the hardware (1), to install the frame arms (2-5) to the engine cover.

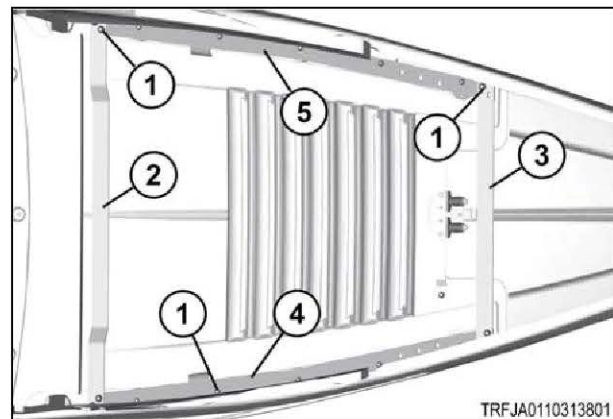


Fig. 83

3. Use the hardware (1), to install the stop bracket (2) to each side of the engine cover.
4. Use the screws (3), to install the side grilles (4).

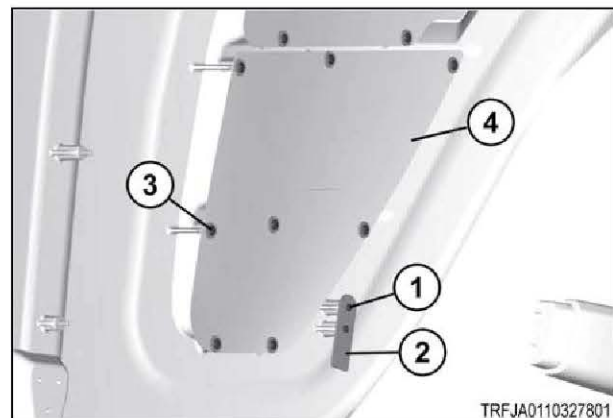


Fig. 84

13. Chassis

5. Use the hardware (2) to install the bottom grille mount (3).
6. Install the seal (1).

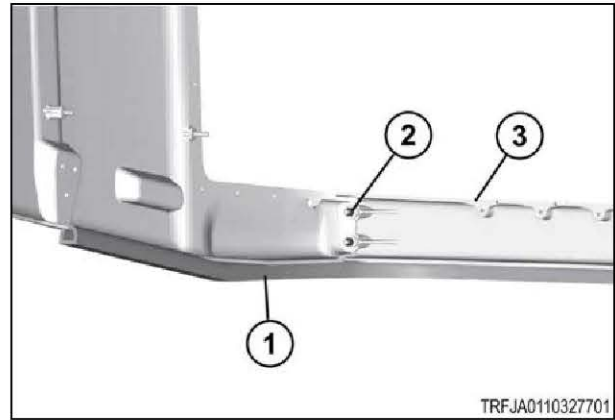


Fig. 85

7. Install the top seal (1), and the foam insulation (2).

NOTE: Clean the mating surface with alcohol before applying pressure sensitive adhesive (PSA). Use a roller to firmly apply the seal. Compress the foam to 50% of thickness across the complete surface when installing parts with PSA.

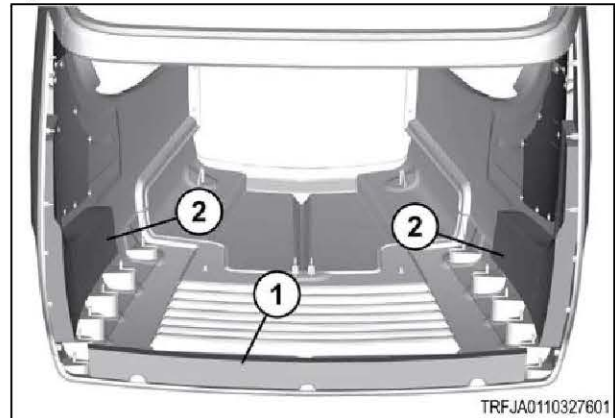


Fig. 86

8. Use the hardware (1) to install the left and right side seal support plates (2).

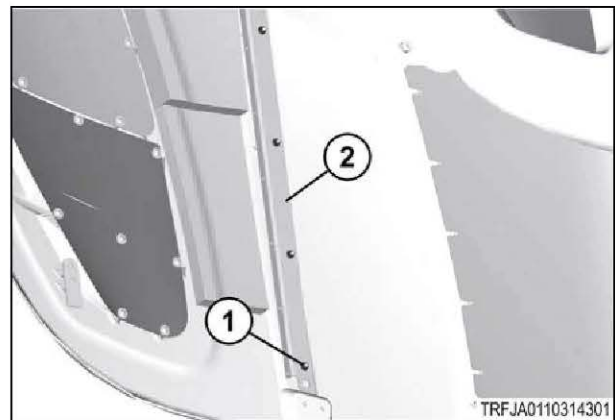


Fig. 87

9. Use the hardware (1) to install the left and right side brackets (3), and the bottom brace (2).

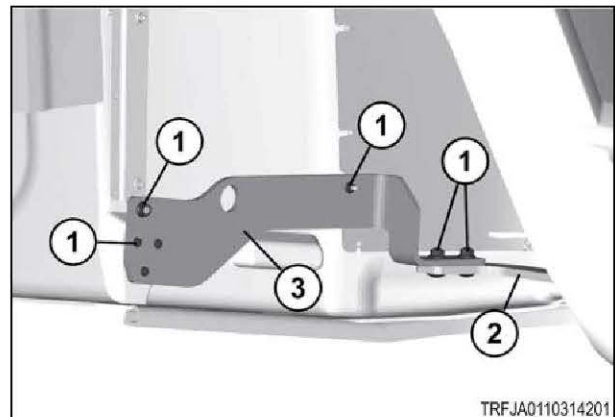


Fig. 88

10. Use the hardware (1) to install the seal (3), and support strap (2) to each side.

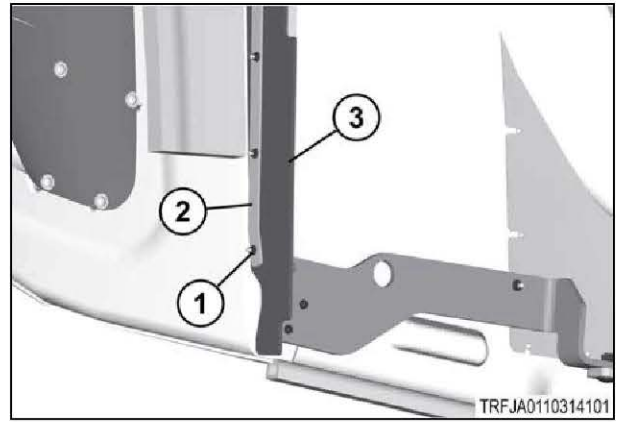


Fig. 89

11. Use the hardware (1), to install the engine cover latch support (2).

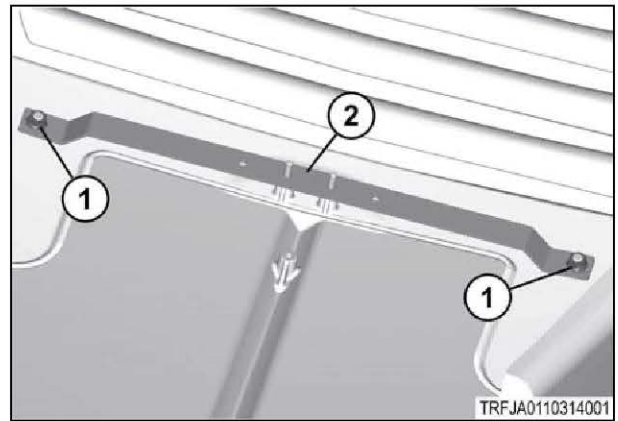


Fig. 90

12. Use the hardware (5) to install the latch support plates (6).
13. Use the hardware (3) to install the engine cover bracket (4).

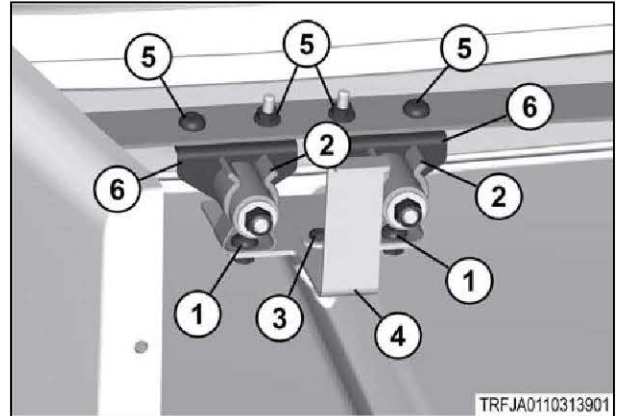


Fig. 91

14. Use the hardware (1) to install the clips (2).

- 15.** Use the hardware (1) to install the support arms (2), to the frame assembly.

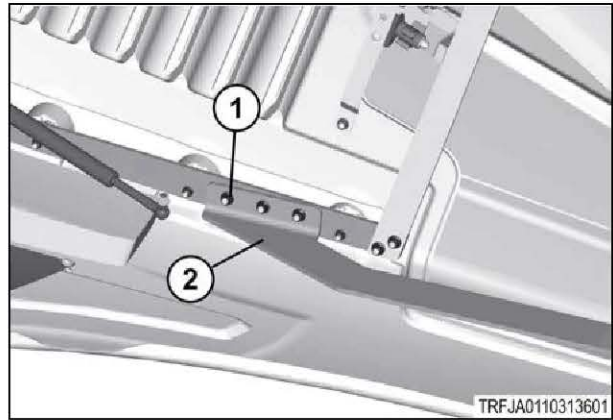


Fig. 92

- 16.** Use the hardware (1) from the engine cover front panel (2).

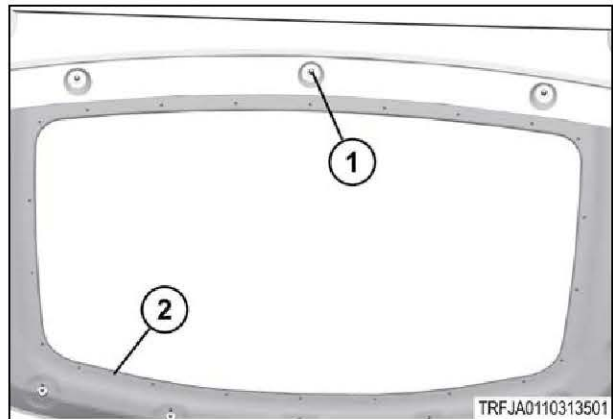


Fig. 93

- 17.** Use the hardware (1) to install the top engine cover grille (2).

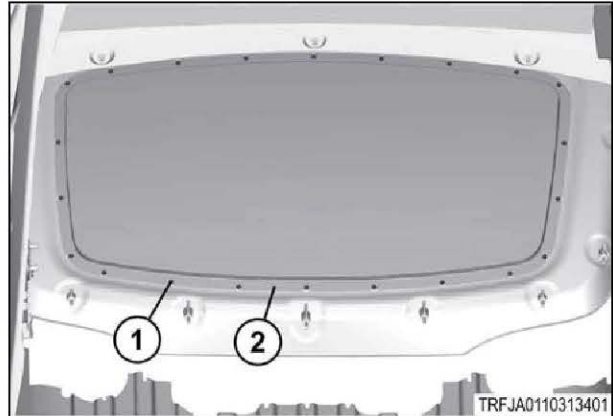


Fig. 94

- 18.** Use the hardware (1) to install the center bezel support (4), and the left and right bezel supports (2).

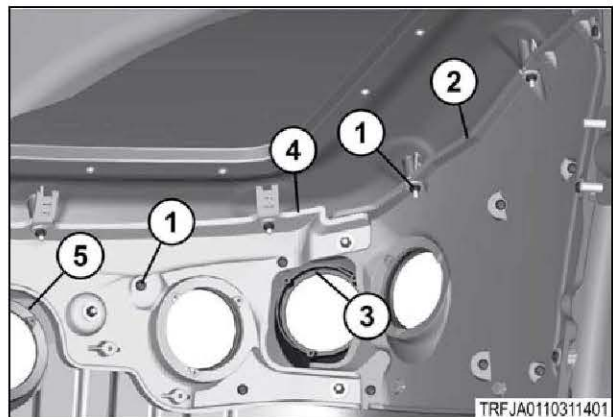


Fig. 95

- 19. Use the hardware (1), to install the center lamp bezel (5), and the left and right lamp bezels (3).
- 20. Use the hardware (1) to install the headlamps (2).

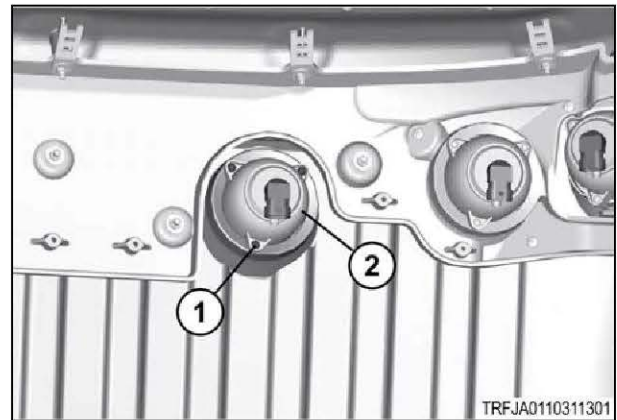


Fig. 96

- 21. Use the hardware (1) to install the wire harness (2) to the engine cover.

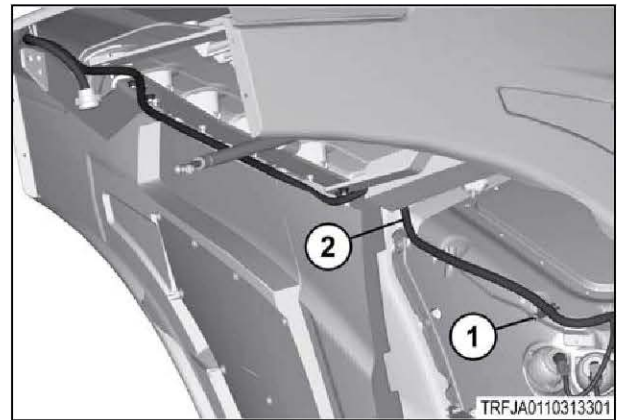


Fig. 97

- 22. Connect the wire harness (1) to all six headlamps.

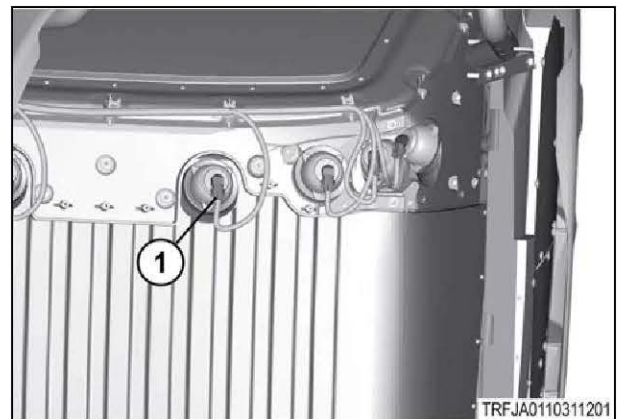


Fig. 98

23. Use the hardware (1) to install the latch (3), and the catch (2), to each side of the engine cover.

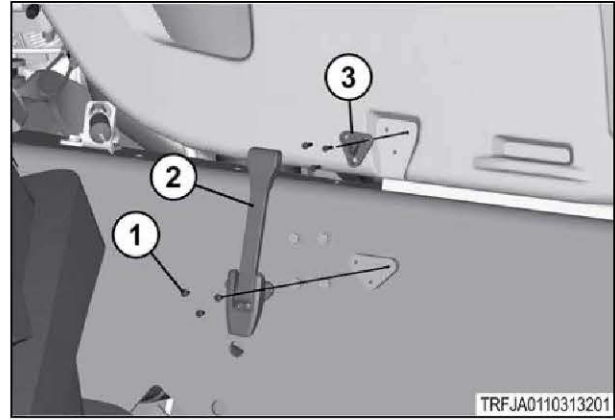


Fig. 99

24. Install the gas struts (1) to the frame assembly.
25. Install the engine cover.

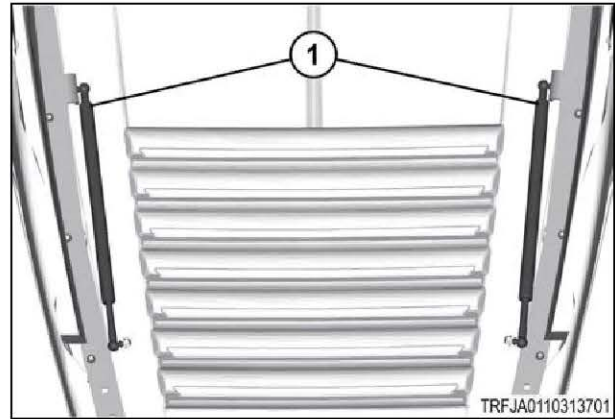


Fig. 100

Related Links

[Install the engine cover \(MY2016 and later\)](#) page 13-30

13.1.8 Install the engine cover (MY2016 and later)

Procedure

1. Use the correct lifting equipment to install the engine cover.



WARNING:

Engine cover is heavy. To prevent serious injury, support the engine cover with the correct lifting equipment during the installation procedure.

2. Install the engine cover bracket with the hardware (1).

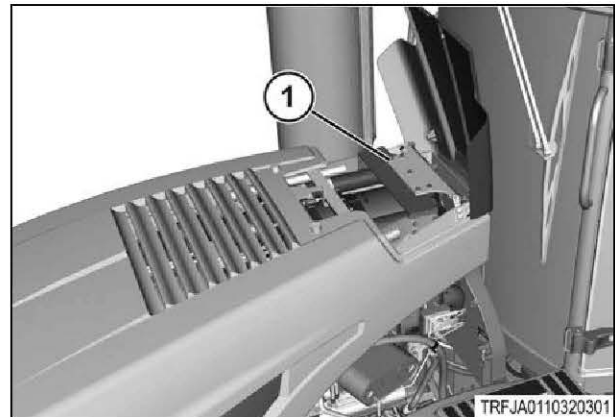


Fig. 101

3. Cut the plastic ties and disconnect the shocks from the engine cover frame rails. Connect both shocks to the lower mounts with the hardware (1).

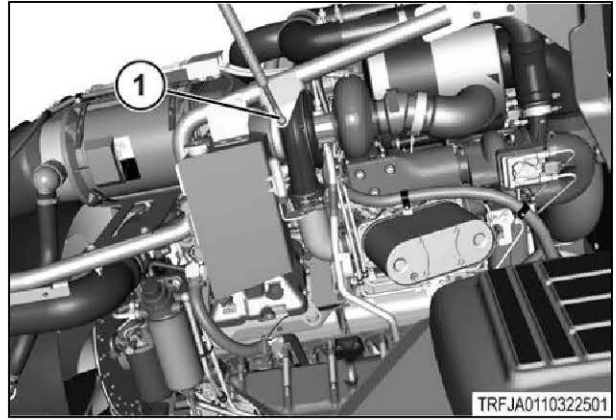


Fig. 102

4. Connect the headlamp wire harness to the chassis harness.
5. Install the battery disconnect switch key.

13.2 Fenders

13.2.1 Remove the right rear fender

NOTE:

The fender removal is easier with the machine tires removed.

Procedure

1. Connect correct lifting equipment to the fender.

IMPORTANT:

The weight of the fender is 93 kg (205 lb).

2. Disconnect the wire harness (1) to work lamps on the fender and the work lamps on the extremity arm (2).

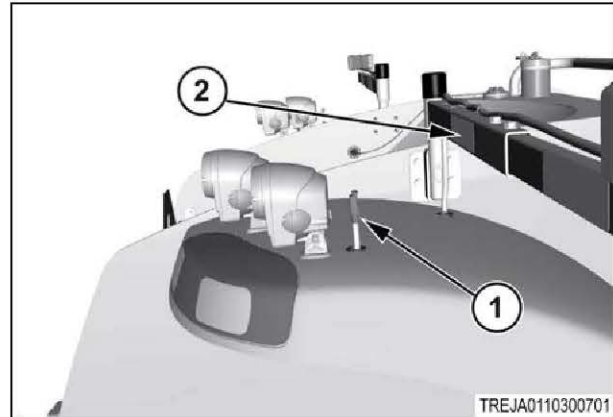


Fig. 103

3. Remove the two bolts (1) holding the fender mounting channel (2) to the frame.

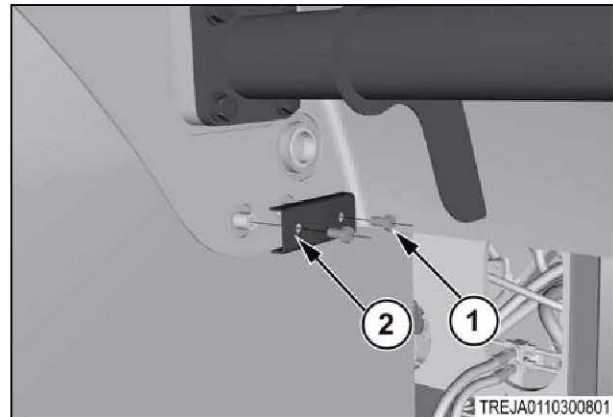


Fig. 104

4. Remove the three bolts (1) and washers that fasten the lamp shield to the fender.

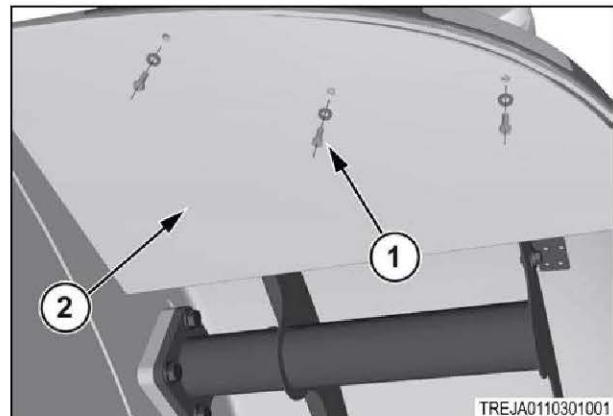


Fig. 105

5. Remove the two bolts (1) that fasten the lamp shield (2) to the fender support (3).
6. Remove the lamp shield.

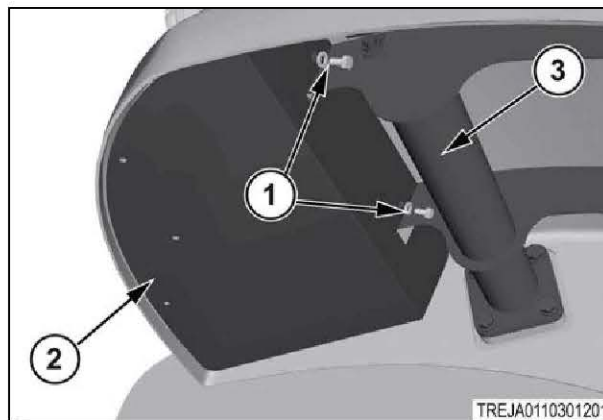


Fig. 106

7. Remove the two bolts (1) that fasten the fender mounting channel (2) to the frame.
8. Remove the fender mounting channel.

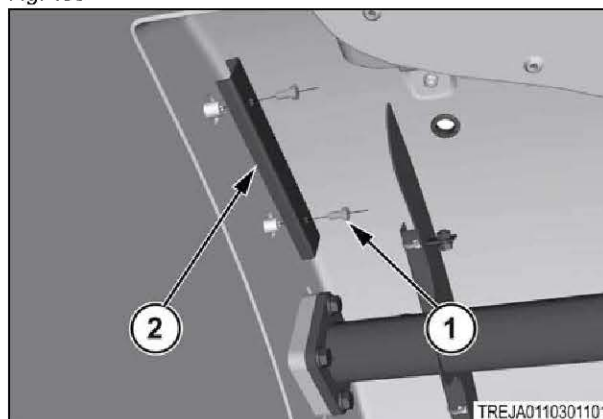


Fig. 107

9. Remove the eight bolts (1) that fasten the fender support (2) to the rear frame section.
10. Remove the fender.

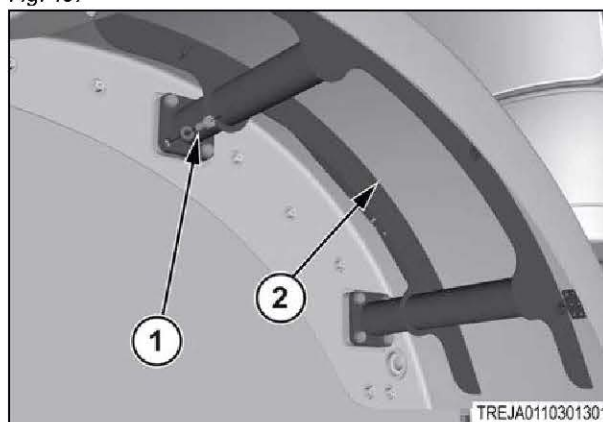


Fig. 108

Related Links

[Remove the outside wheel](#) page 14-3

[Remove the center wheel](#) page 14-4

[Remove the inside wheel](#) page 14-5

13.2.2 Install the right rear fender

Procedure

1. Install the fender to the rear frame section with eight bolts (1) through the fender support (2).
Tighten the bolts to 200 to 280 Nm. (147 to 207 lbf ft).

2. Install the fender mounting channel (2) to the frame with two bolts (1).
Tighten the bolts to 45 to 65 Nm (34 to 48 lbf ft).

3. Install the three bolts and washers (1) that fasten the lamp shield (2) to the fender.
Tighten the bolts to 5 to 7 Nm (3 to 5 lbf ft).

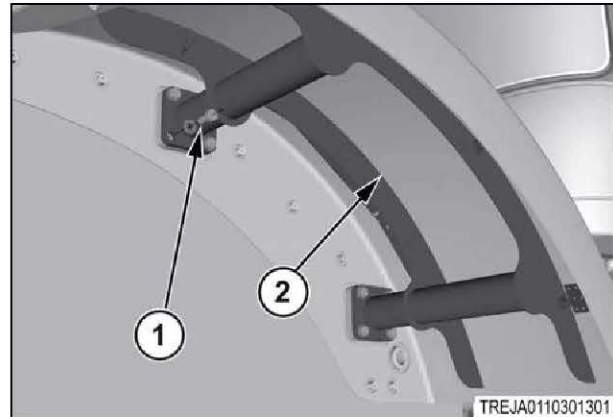


Fig. 109

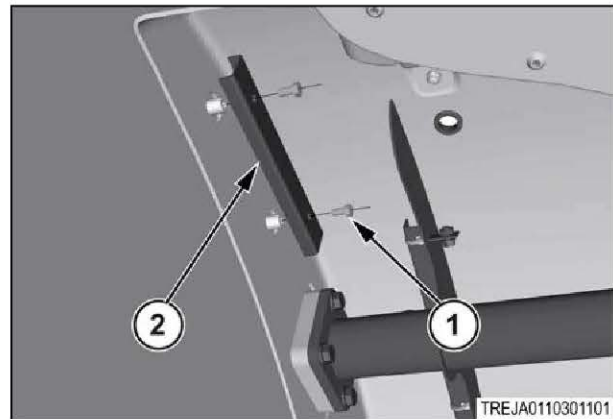


Fig. 110

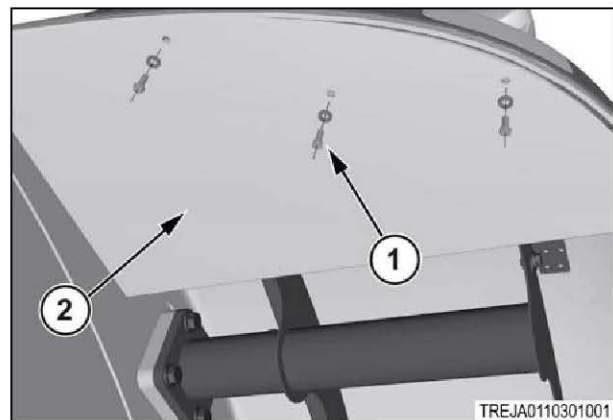


Fig. 111

4. Install the three bolts (1) holding the fender mounting channel (2) to the frame.
Tighten the bolts to 45 to 65 Nm (34 to 48 lbf ft).

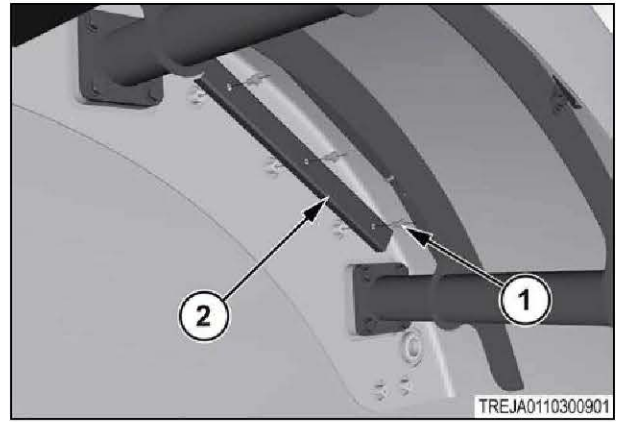


Fig. 112

5. Install the two bolts (1) holding the fender mounting channel (2) to the frame.
Tighten the bolts to 45 to 65 Nm (34 to 48 lbf ft).

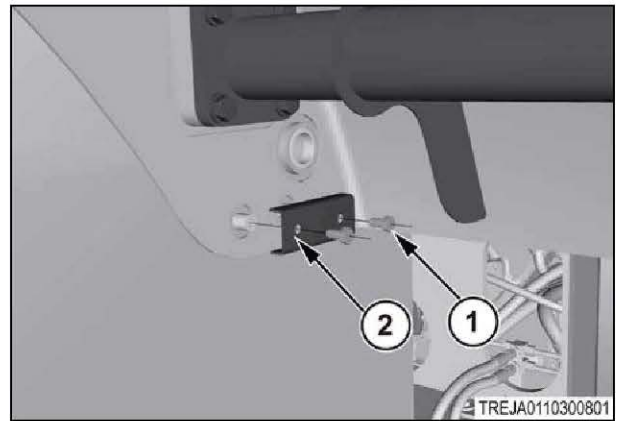


Fig. 113

6. Connect the harness (1) to work lamps on the fender and the work lamps on the extremity arm (2).

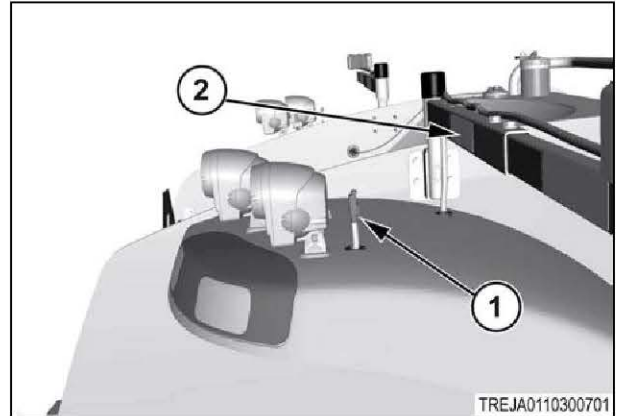


Fig. 114

13.2.3 Remove the right front fender

Procedure

1. Right front fender (1) location.

2. Disconnect the lamp harness(1) from the lamp.

3. Remove the hardware (1) securing the fender to the fender support.

4. Remove the exhaust stack.

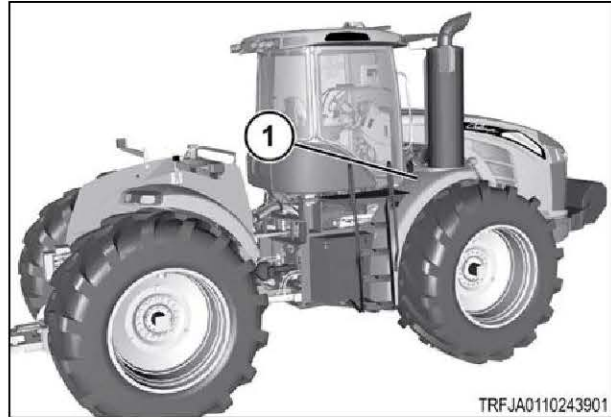


Fig. 115

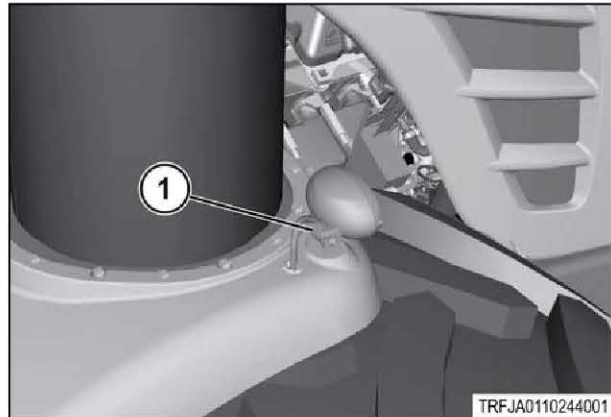


Fig. 116

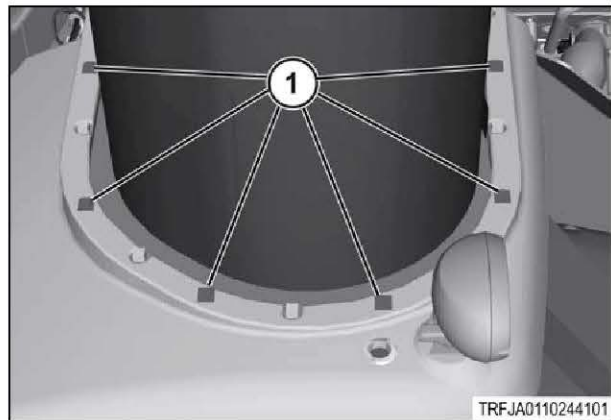


Fig. 117

5. Remove step assembly.

NOTE:

Use the correct supports and lifting equipment.



Fig. 118

6. Remove the hardware (1) from bottom of the step assembly to the support bracket.

NOTE: *The tire is removed for clarity.*

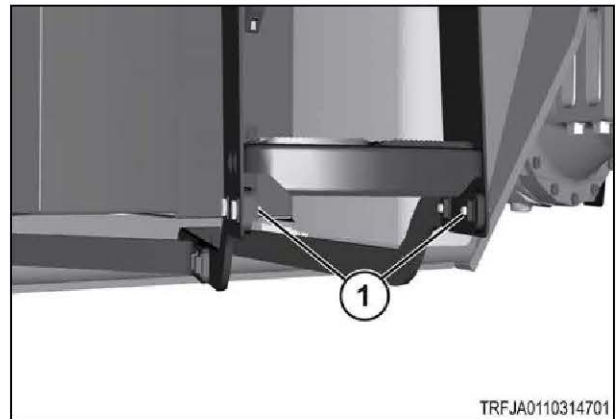


Fig. 119

7. Remove the hardware (1) from the step assembly support.

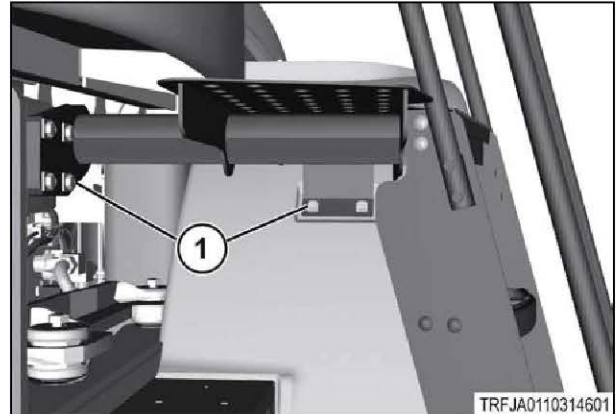


Fig. 120

8. Remove the hardware(1)securing fender to support.

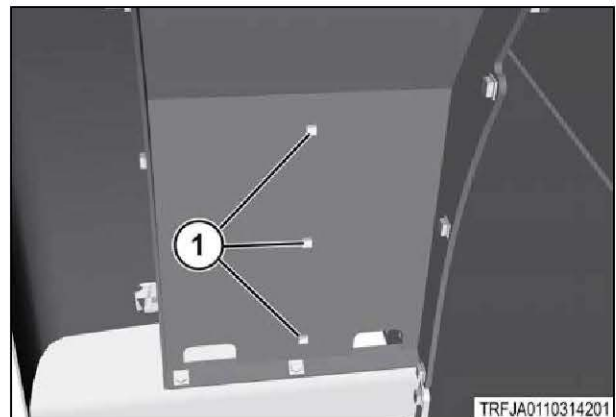


Fig. 121

9. Remove the hardware (1) securing fender to support.

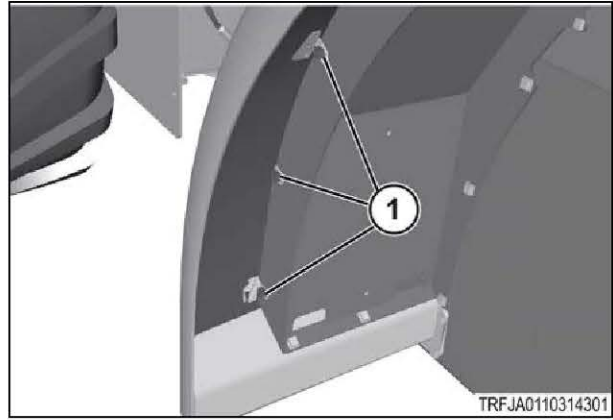


Fig. 122

10. Remove the fender (1) from the fender support.

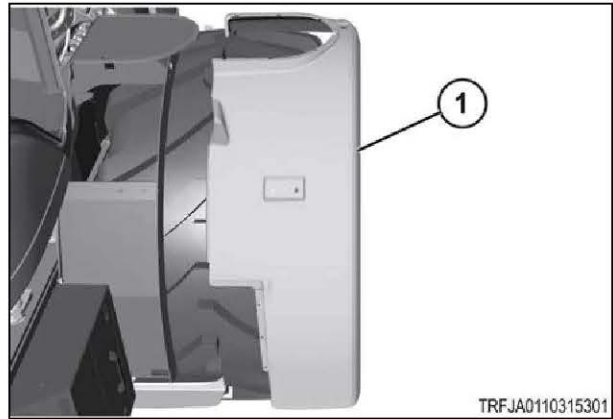


Fig. 123

11. Remove the work lamp harness (1) from the fender support.

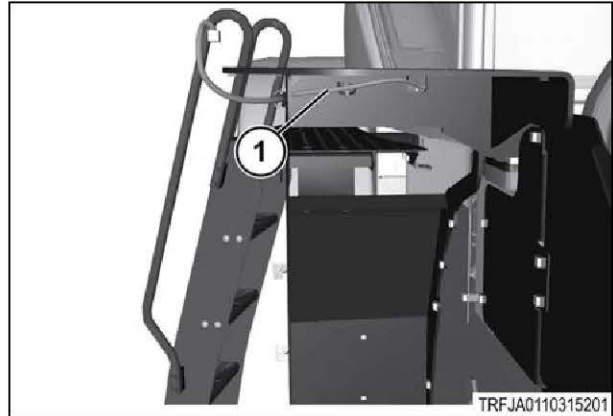


Fig. 124

12. Remove the fender support hardware at location (1) and (2).

NOTE:
Use the correct supports and lifting equipment.

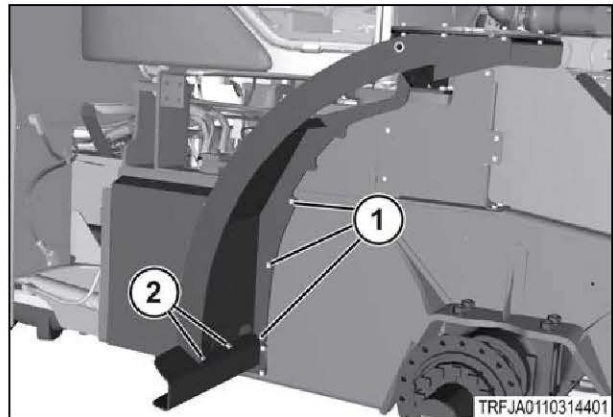


Fig. 125

13. Remove the fender support hardware at location (1).

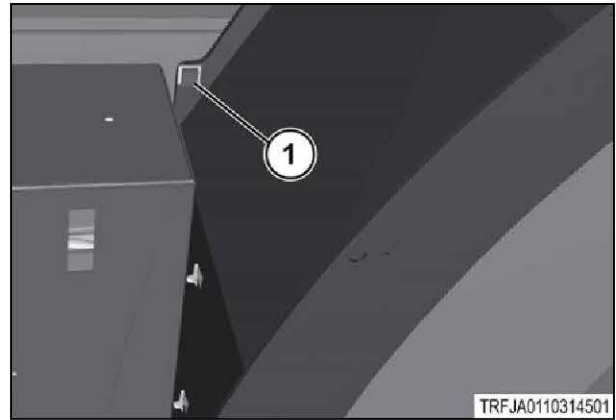


Fig. 126

14. Remove the fender support hardware at location (1).

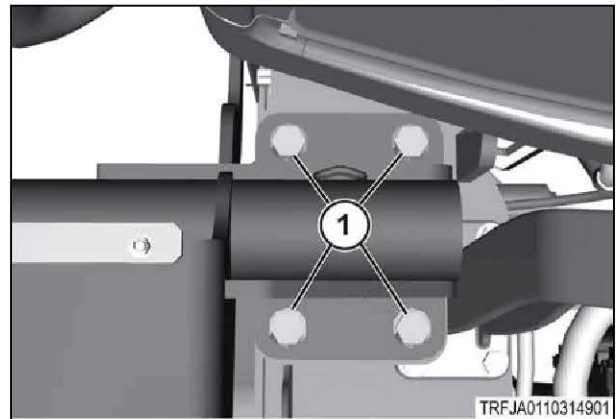


Fig. 127

Related Links

- [Remove the outside wheel](#) page 14-3
- [Remove the center wheel](#) page 14-4
- [Remove the inside wheel](#) page 14-5
- [Remove the exhaust system](#) page 2-190

13.2.4 Install the right front fender

Procedure

1. Install the fender support.

NOTE:

Use the correct supports and lifting equipment.

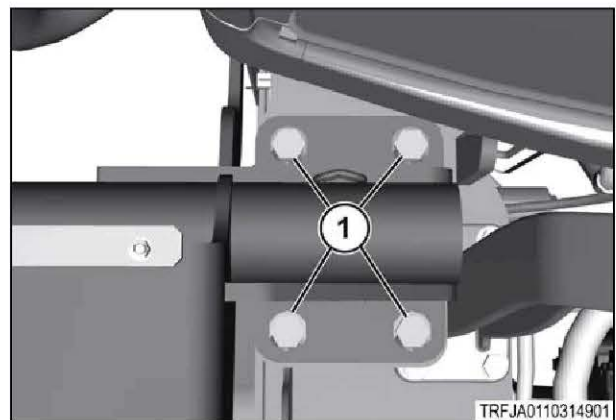


Fig. 128

2. Install the hardware (1) onto the fender support.

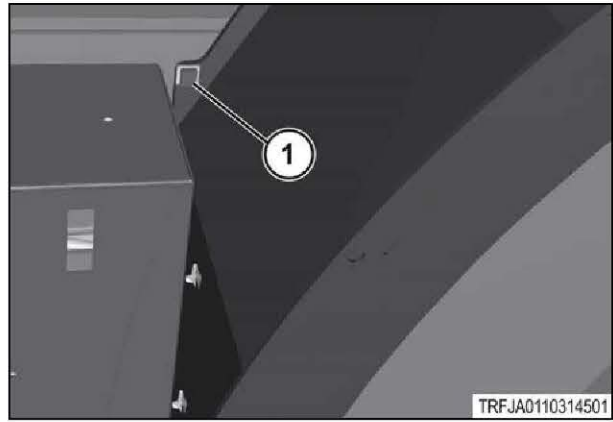


Fig. 129

3. Install the hardware (1) and (2) onto the fender support.

NOTE: The tire is removed for clarity.

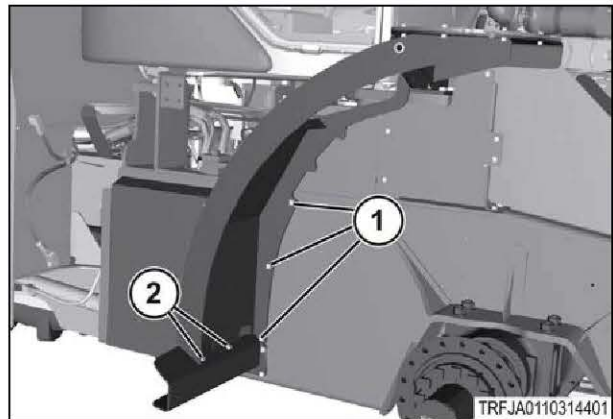


Fig. 130

4. Route and secure work lamp harness (1) on fender support.

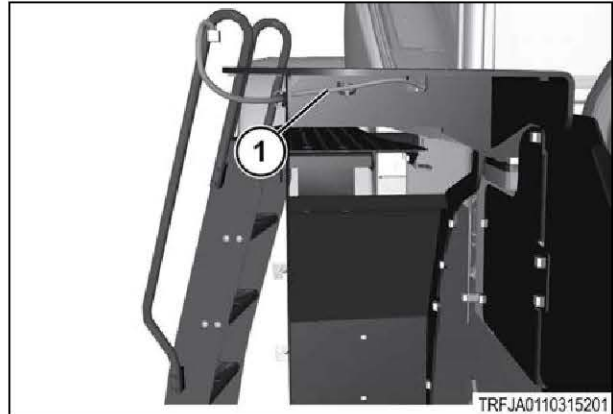


Fig. 131

5. Install the work lamp (1) to the fender.



Fig. 132

- 6. Install the fender (1) to the fender support..

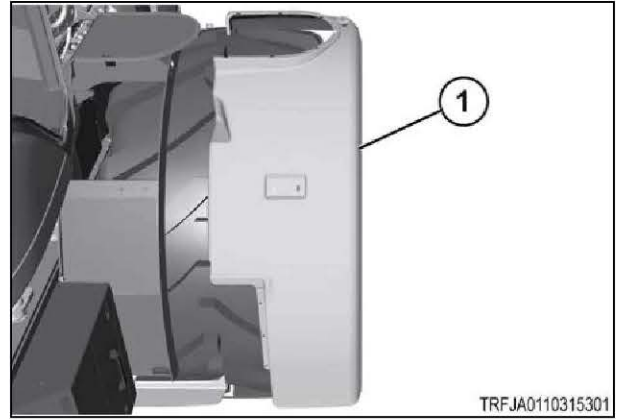


Fig. 133

- 7. Install the hardware (1) securing the fender to the support.

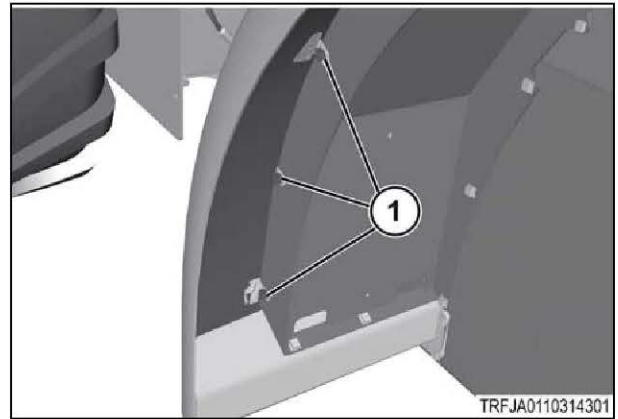


Fig. 134

- 8. Install the hardware (1) securing the fender to the support.

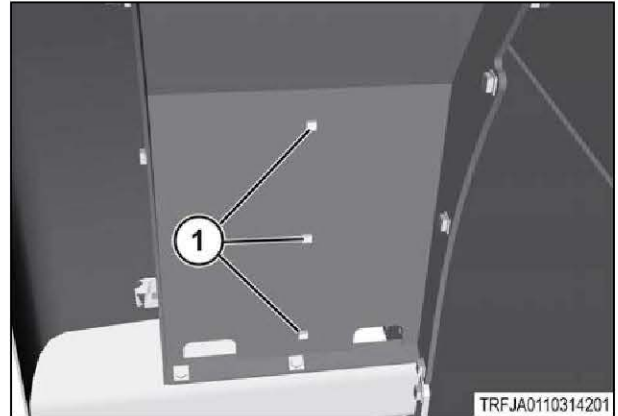


Fig. 135

- 9. Install the hardware(1) securing the fender to the support.

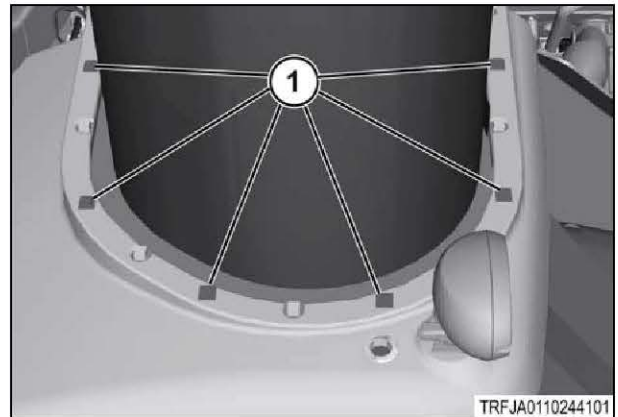


Fig. 136

10. Install step assembly.

NOTE:

Use the correct supports and lifting equipment.

11. Install the hardware (1) on top section of the step assembly.

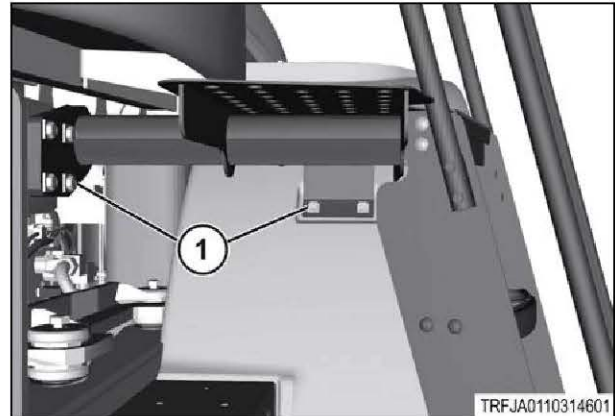


Fig. 137

12. Install the hardware (1) on the bottom of the step assembly.

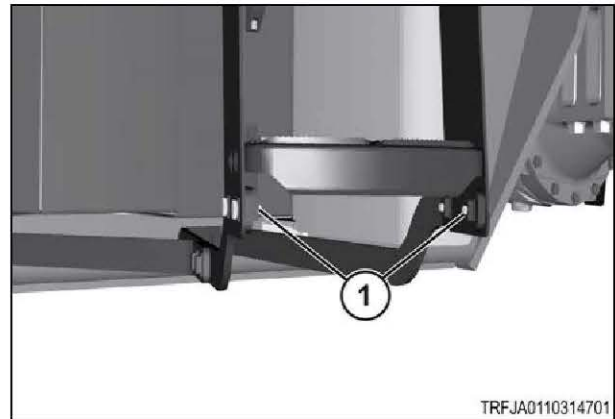


Fig. 138

13. Install the exhaust stack.

14. Connect the work lamp harness (1) onto the work lamp.

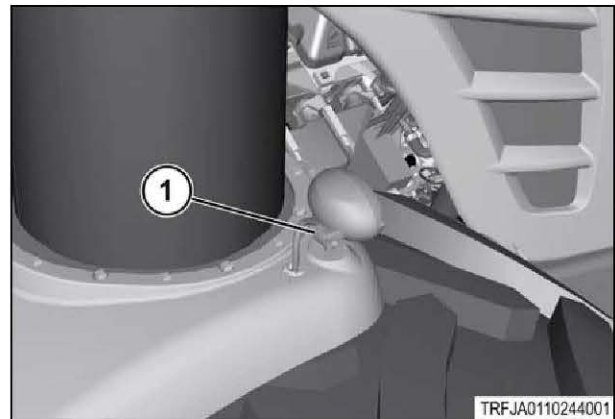


Fig. 139

Related Links

[Install the exhaust system](#) page 2-193

13.2.5 Remove the left rear fender

Procedure

1. Disconnect the electrical connector to the work lamp (1) on the extremity arm.

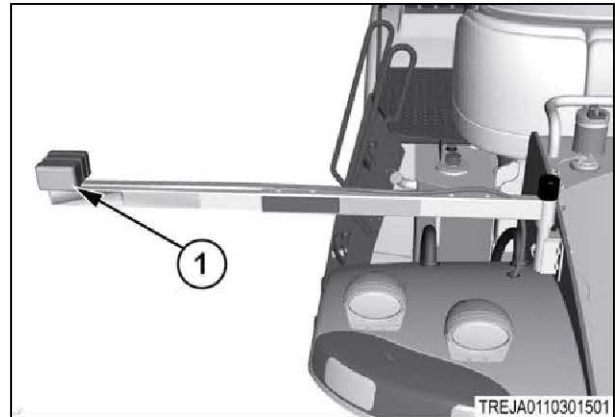


Fig. 140

2. Disconnect the electrical connector (1) to the fuel level sensor.

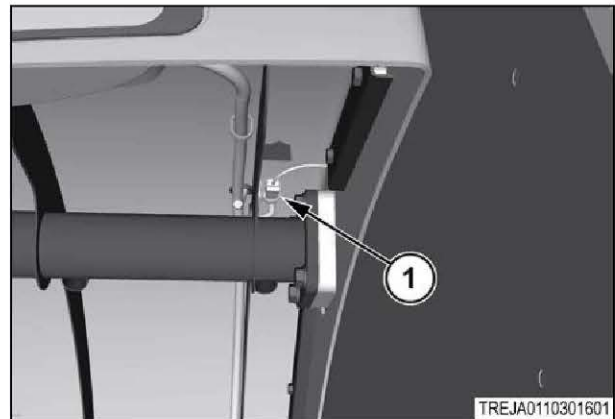


Fig. 141

3. Disconnect the electrical connector (1) under the center of the fuel tank.

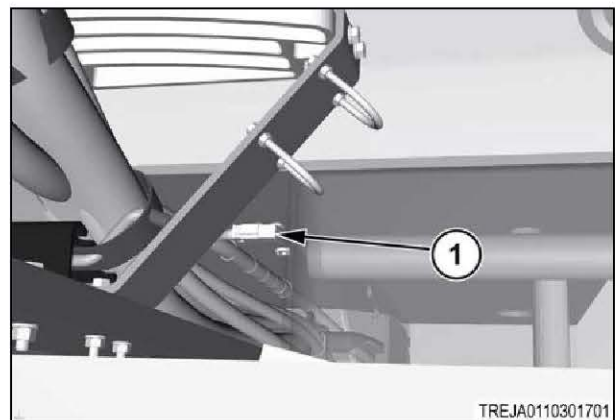


Fig. 142

4. Remove the two bolts (1) that fasten the fender mounting channel (2) to the frame.

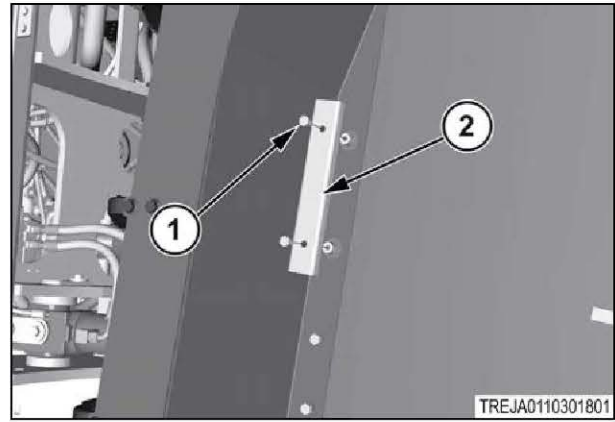


Fig. 143

5. Remove the six bolts (1) that fasten the steps to the frame.

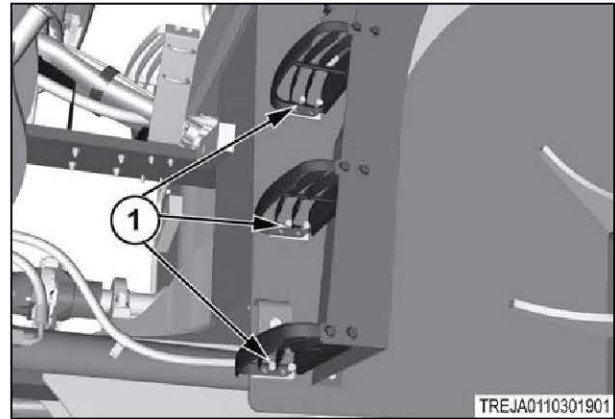


Fig. 144

6. Remove the two bolts (1) that fasten the steps to the frame.

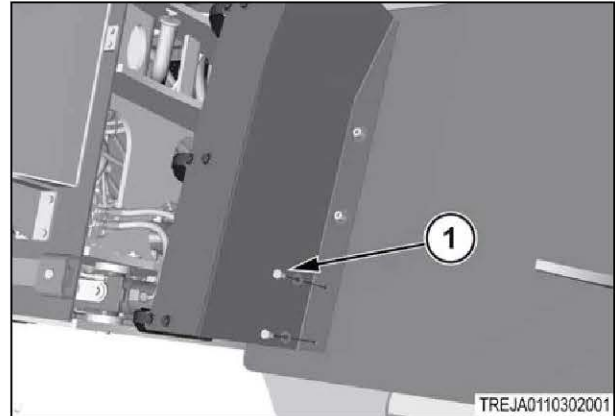


Fig. 145

7. **NOTE:**
Use correct supports and lifting equipment.

IMPORTANT:

The Step Assembly weight is 20 kg (45 lb).

Remove the two bolts (1) that fasten the step assembly to the frame and fender.

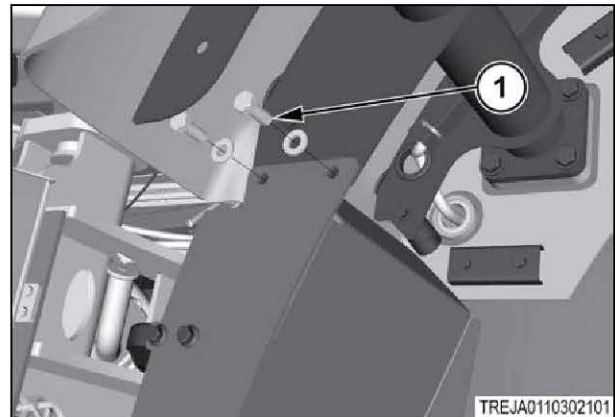


Fig. 146

8. Remove the three bolts (1) that fasten the lamp shield to the fender.

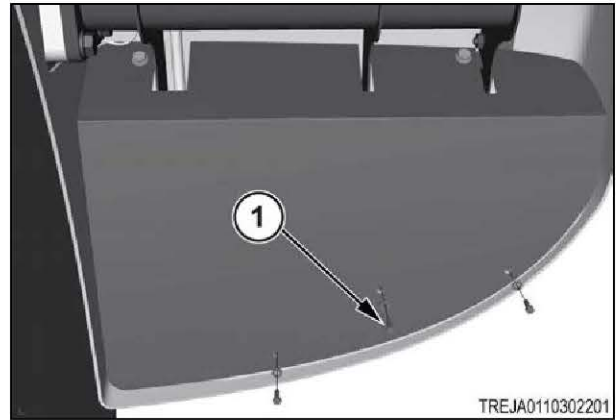


Fig. 147

9. Remove the two bolts (1) that fasten the lamp shield to the fender and remove the lamp shield.

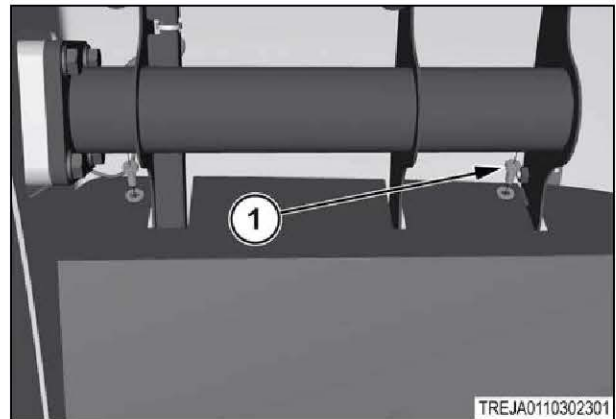


Fig. 148

10. Remove the seven bolts holding the three fender mounting channels (1) to the frame.

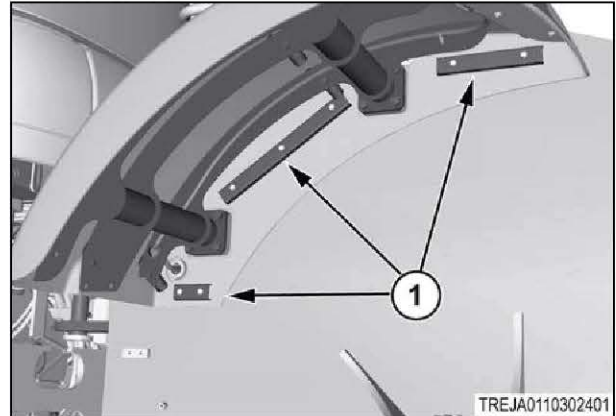


Fig. 149

11. Remove the eight bolts (1) that fasten the fender to the frame, and remove the fender.

NOTE: Use correct supports and lifting equipment.

IMPORTANT:

The fender weight is 101 kg (223 lb).

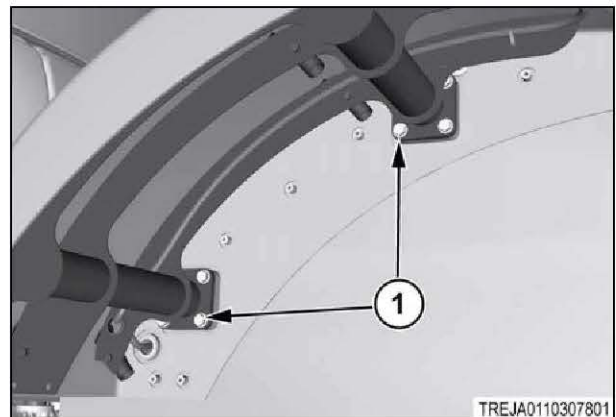


Fig. 150

13.2.6 Install the left rear fender

Procedure

1. Connect lifting equipment to the fender.

IMPORTANT:

The weight of the fender is 101 kg (223 lb).

2. Mount the fender to the frame and install the eight bolts (1) to hold the fender.

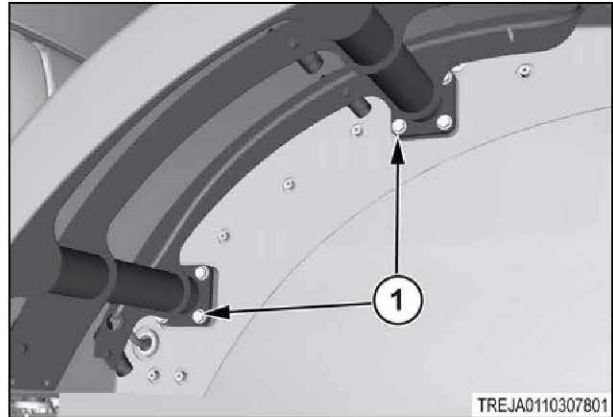


Fig. 151

3. Install the three fender mounting channels (1) to the frame with seven bolts. Tighten the bolts to 45 to 65 Nm (34 to 48 lbf ft).

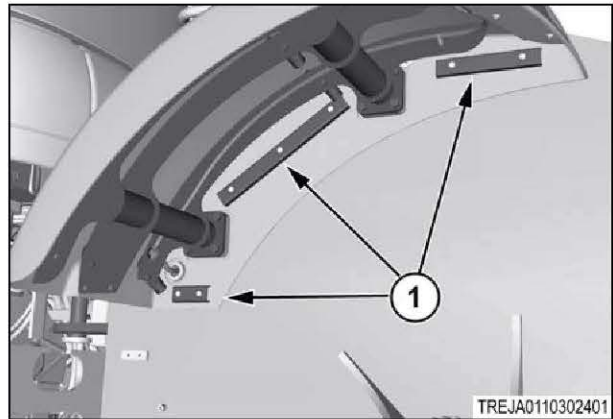


Fig. 152

4. Install the lamp shield to fender with the two bolts (1). Tighten the bolts to 45 to 65 Nm (34 to 48 lbf ft).

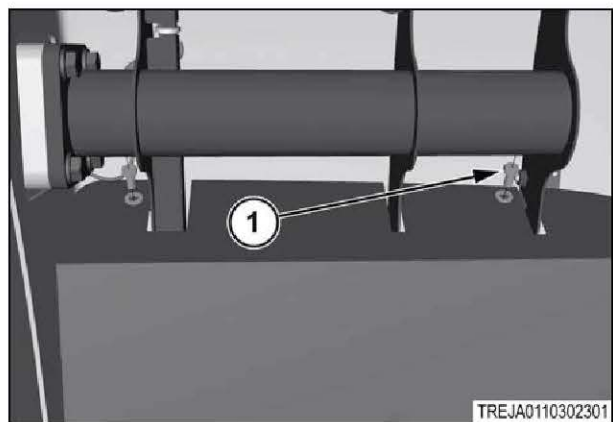


Fig. 153

5. Install the three bolts (1) that fasten the lamp shield to the fender.
Tighten the bolts to 5 to 7 Nm (3 to 5 lbf ft).
6. Connect correct lifting equipment to the step assembly.

IMPORTANT:

The weight of the step assembly is 20 kg (45 lb).

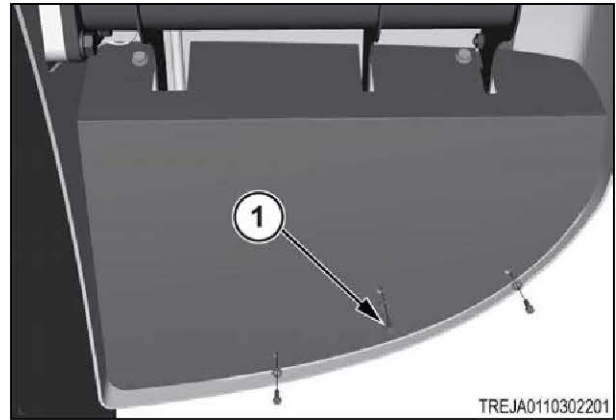


Fig. 154

7. Mount step assembly to the frame and fender with the two bolts (1).
Tighten the bolts to 80 to 120 Nm (69 to 79 lbf ft).

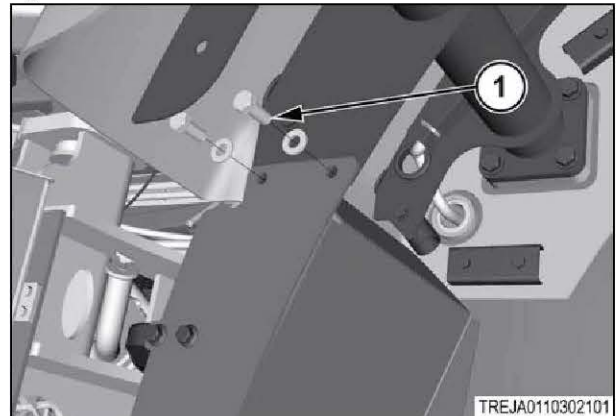


Fig. 155

8. Install the two bolts (1) that hold the steps to the frame.
Tighten the bolts to 80 to 120 Nm (69 to 79 lbf ft).

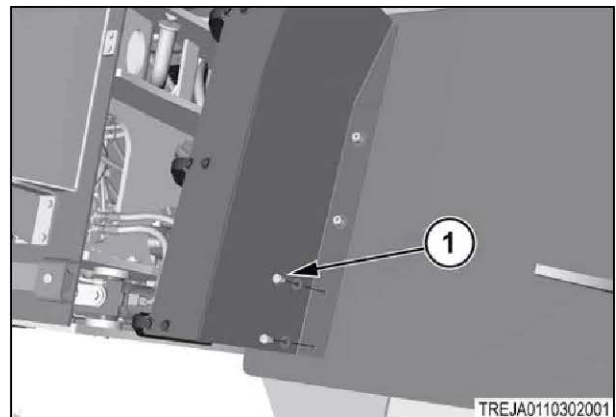


Fig. 156

9. Mount the steps to the frame with six bolts (1).
Tighten the bolts to 45 to 65 Nm (34 to 48 lbf ft).

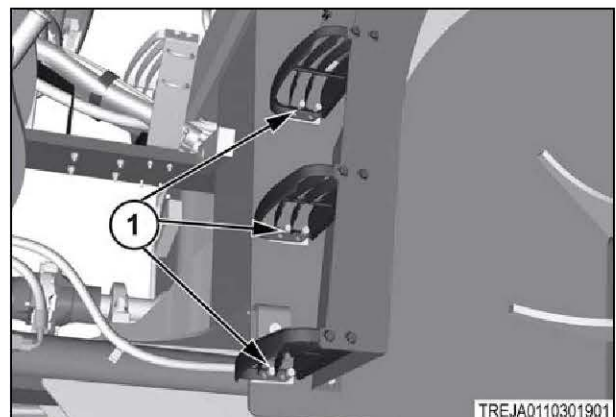


Fig. 157

- 10.** Fasten the fender mounting channel (1) to the frame with two bolts (2).
Tighten the bolts to 45 to 65 Nm (34 to 48 lbf ft).

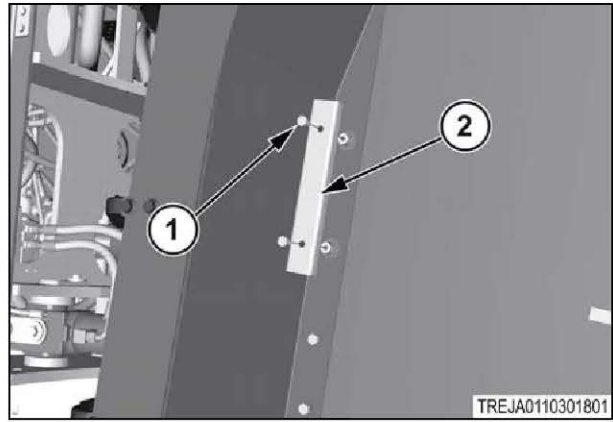


Fig. 158

- 11.** Put the wiring through the tube in the rear frame section. Connect the electrical connection (1) under the center of the fuel tank.

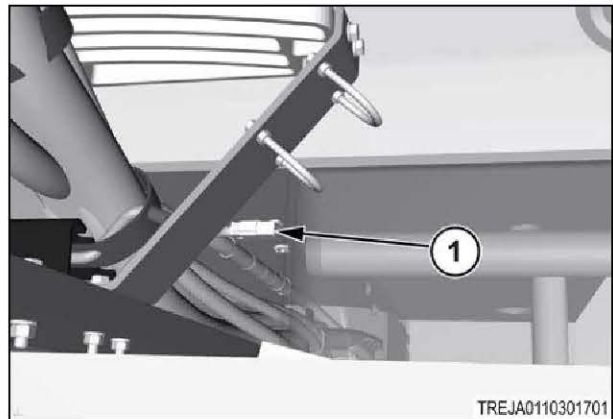


Fig. 159

- 12.** Connect the harness (1) to the fuel level sensor.

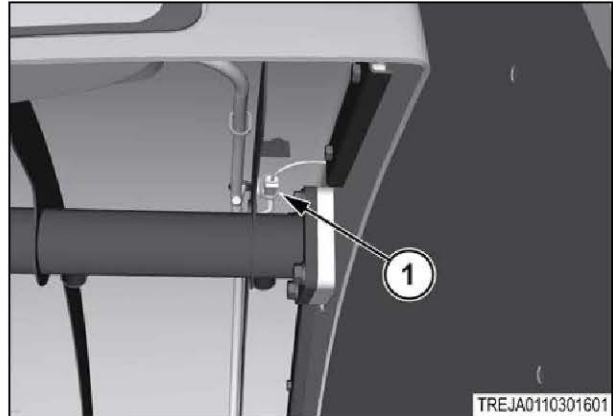


Fig. 160

- 13.** Put the wiring through the fender and along the extremity arm and connect the electrical connector to work lamp (1).

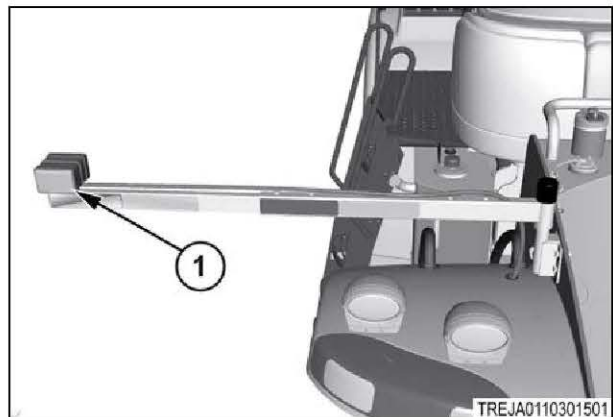


Fig. 161

13.2.7 Remove the left front fender

Procedure

1. Remove the hardware (1) from the bottom of the step assembly.

NOTE:

Use the correct supports and lifting equipment.

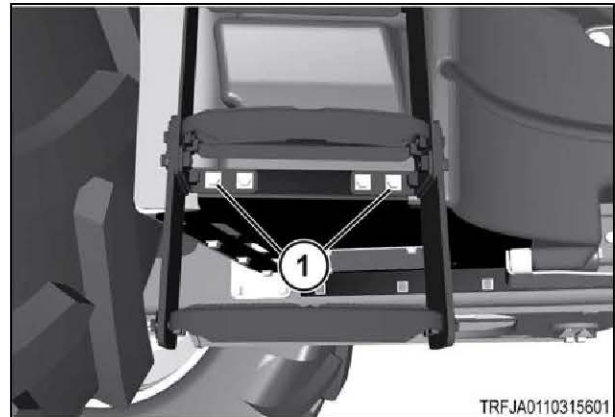


Fig. 162

2. Remove the hardware (1) securing the fender to the support.

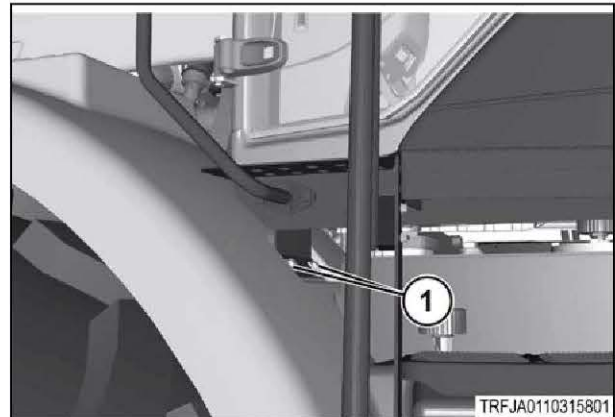


Fig. 163

3. Remove the hardware (1) from top section of the step assembly.

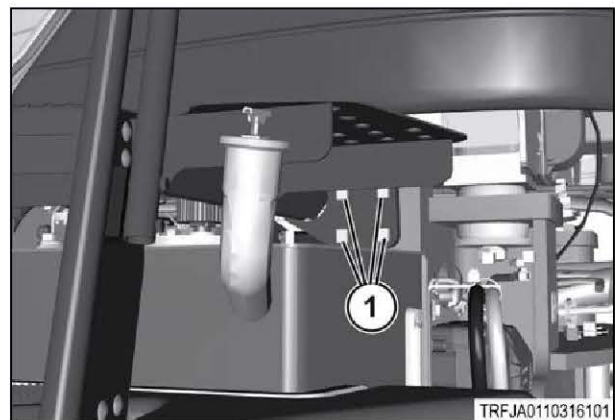


Fig. 164

4. See section on removing the DEF/AdBlue[®] tank (1) section of the service manual to remove the DEF/AdBlue[®] tank.

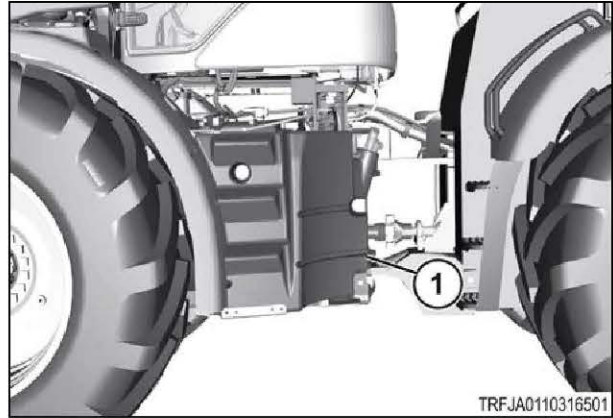


Fig. 165

5. Remove the fender.
6. Disconnect the work lamp harness (1).

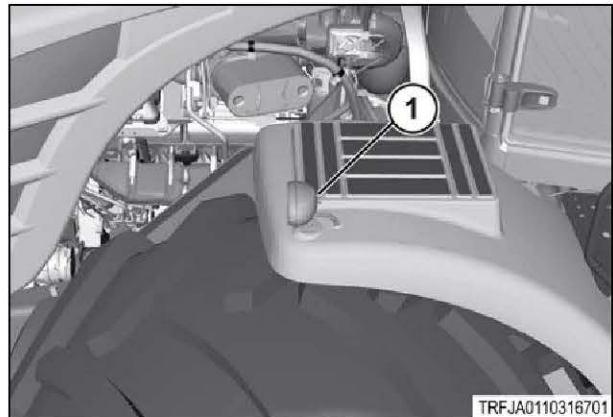


Fig. 166

7. Remove the hardware (1) securing the fender to the support.

NOTE: The tire is removed for clarity.

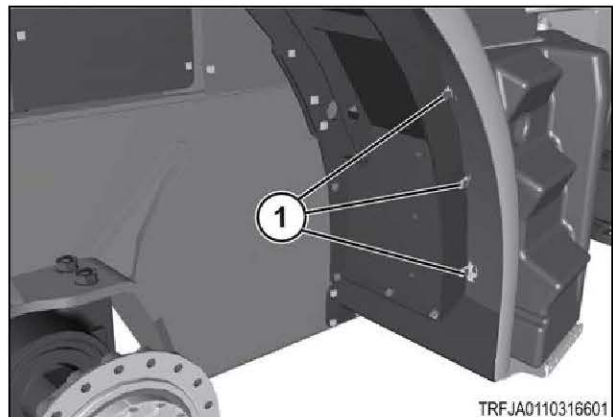


Fig. 167

8. Remove the hardware (1) securing the fender to the support.

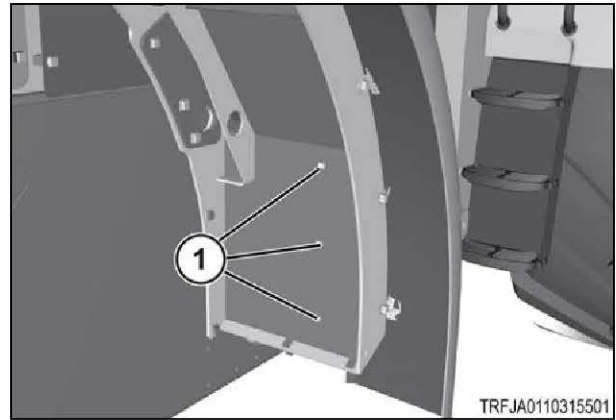


Fig. 168

9. Remove the hardware (1) securing the fender to the support.

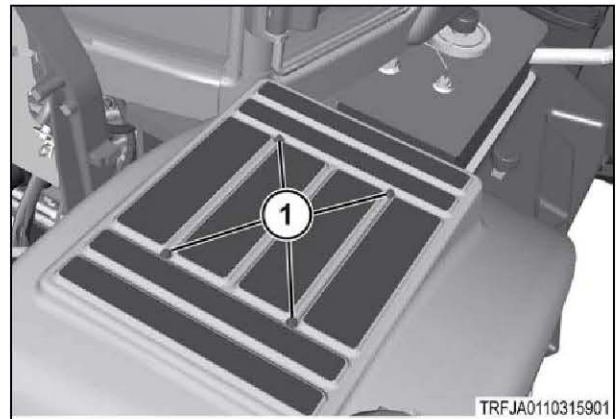


Fig. 169

10. Remove the fender (1) from the fender support..

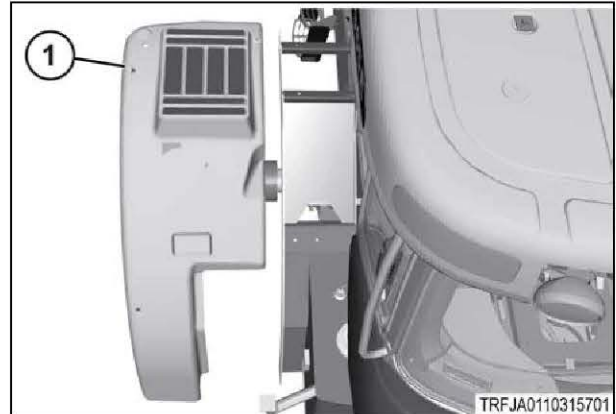


Fig. 170

11. Remove the fender support.

NOTE:

Use the correct supports and lifting equipment.

12. Remove the work lamp harness (1) from the fender support.

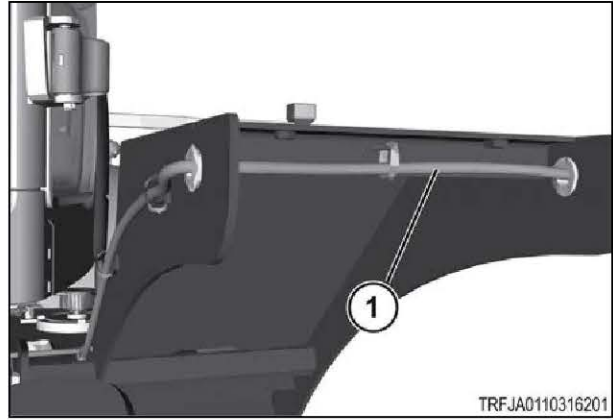


Fig. 171

13. Remove the hardware (1) from the fender support.

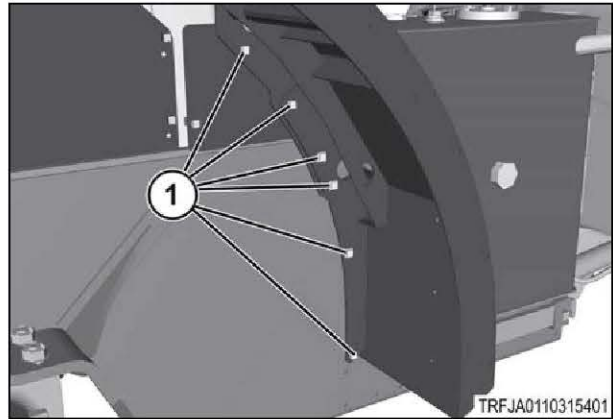


Fig. 172

13.2.8 Install the left front fender

Procedure

1. Install the fender support.

NOTE:

Use the correct supports and lifting equipment.

2. Install the hardware (1) onto the fender support.

NOTE: *The tire is removed for clarity.*

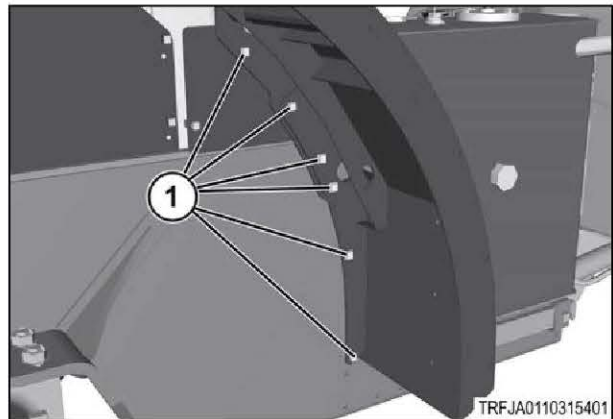


Fig. 173

3. Route and secure work lamp harness (1) on fender support.

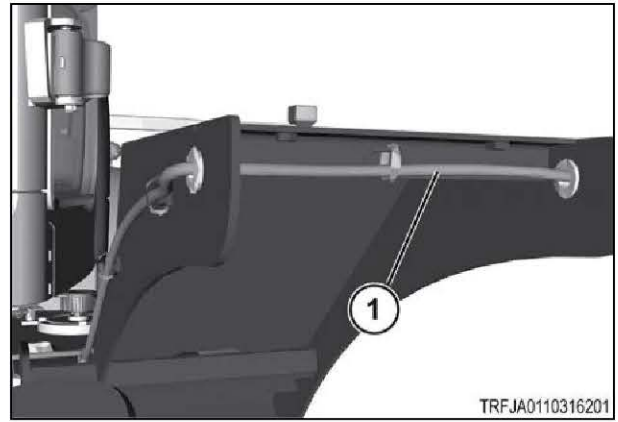


Fig. 174

4. Install the work lamp (1) to the fender.

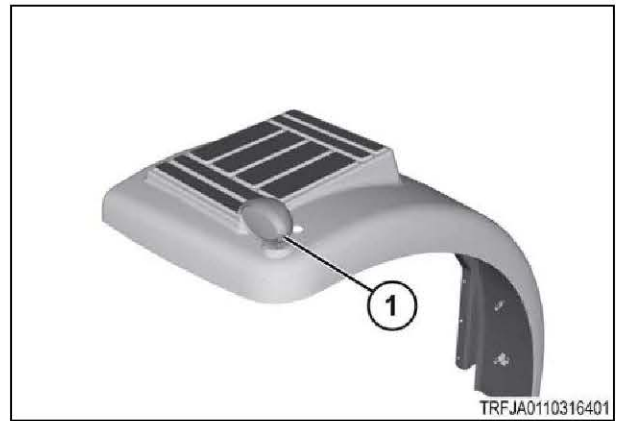


Fig. 175

5. Install the fender (1) to the fender support..



Fig. 176

6. Install the hardware (1) securing the fender to the support.

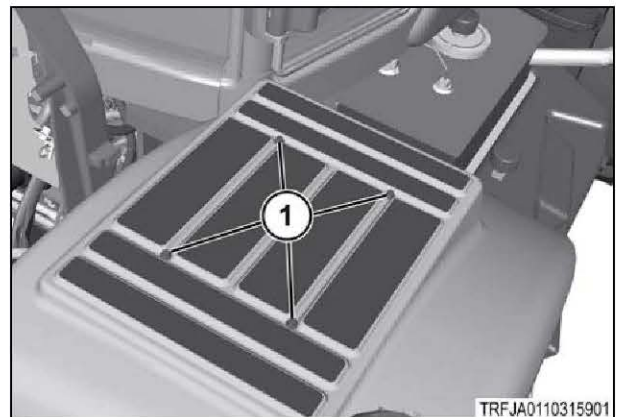


Fig. 177

7. Install the hardware(1) securing the fender to the support.

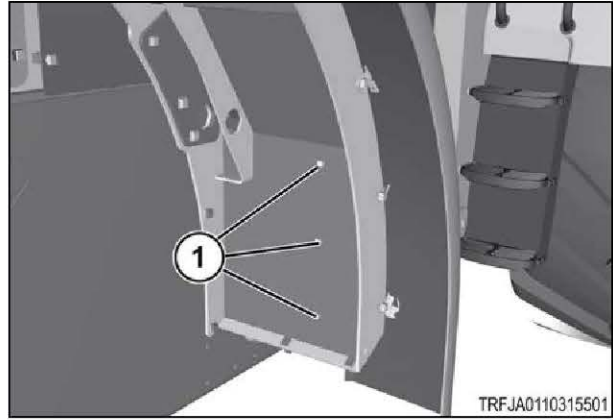


Fig. 178

8. Install the hardware (1) securing the fender to the support.

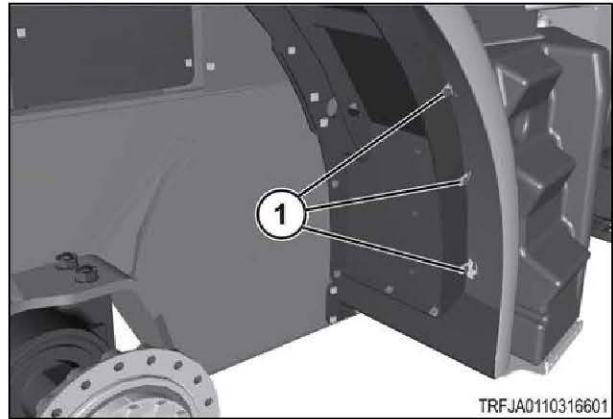


Fig. 179

9. Install the DEF tank (1).

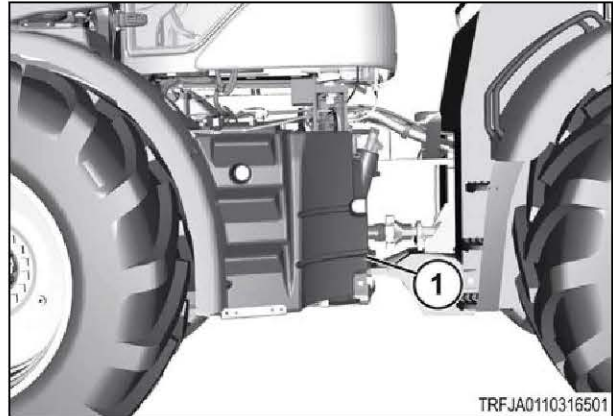


Fig. 180

10. Install step assembly.

NOTE:

Use the correct supports and lifting equipment.

11. Install the hardware (1) securing the step assembly to the fender support.

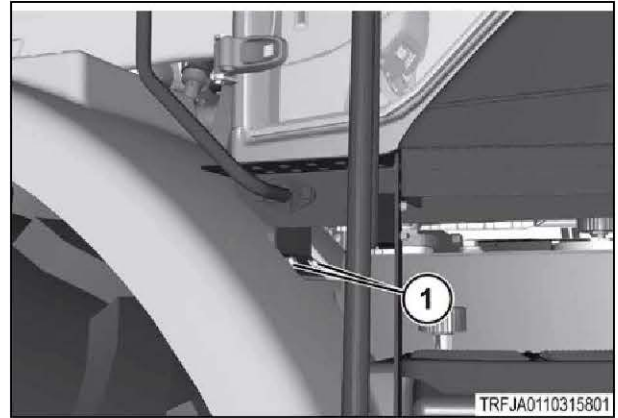


Fig. 181

12. Install the hardware (1) on top section of the step assembly.

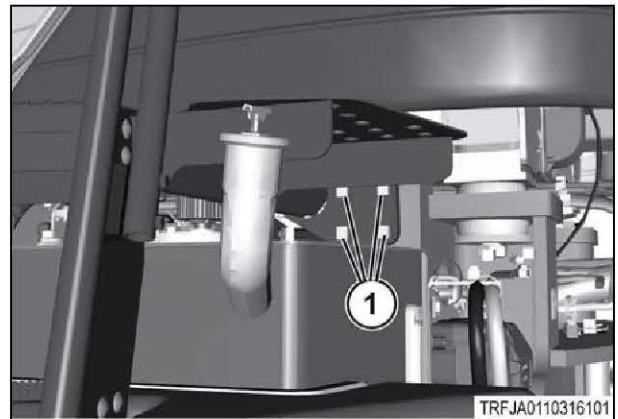


Fig. 182

13. Install the hardware (1) on the bottom of the step assembly.

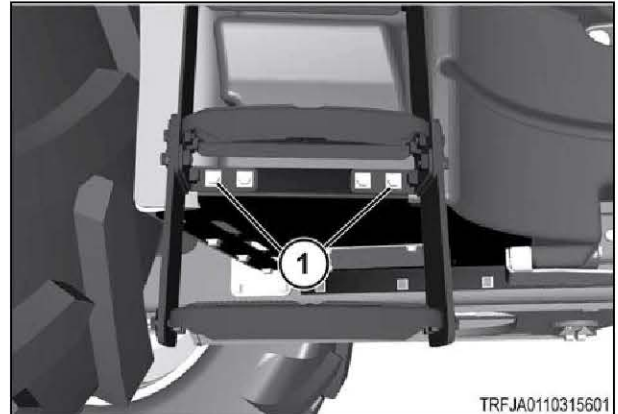


Fig. 183

14. Connect the work lamp harness (1).

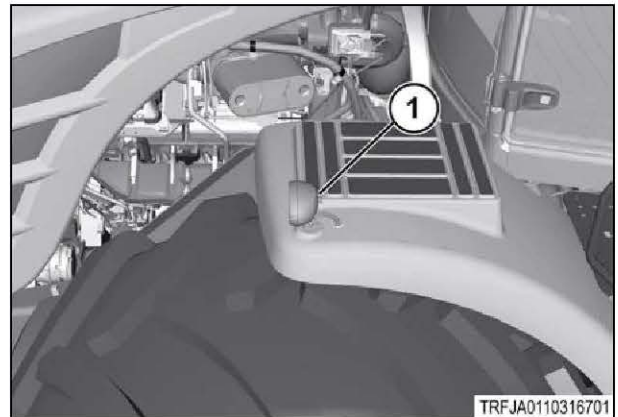


Fig. 184

13.3 Extremity arms

13.3.1 Remove the extremity arms

Procedure

1. Disconnect the electrical connector (1) to the turn signal and remove the wire harness.
2. Remove the four bolts (1) holding pivot mount to the rear section of machine.
3. Remove the extremity arm.
4. Repeat the procedure for the other extremity arm.

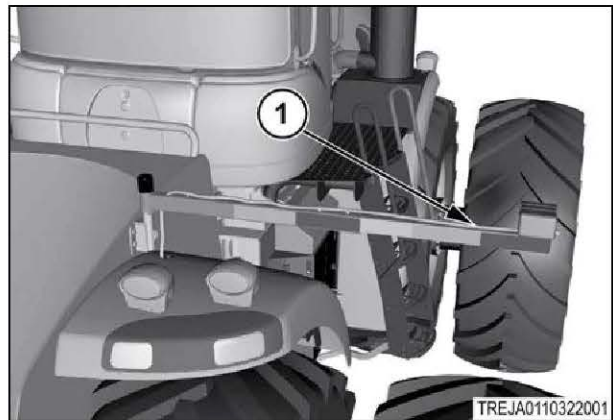


Fig. 185

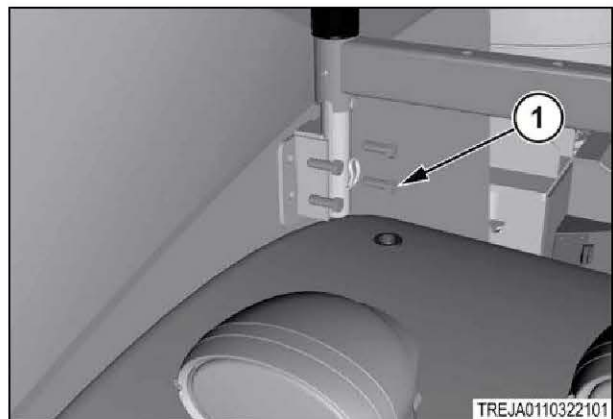


Fig. 186

13.3.2 Install the extremity arms

Procedure

1. Install the four bolts (1) holding pivot mount to the rear section of machine.

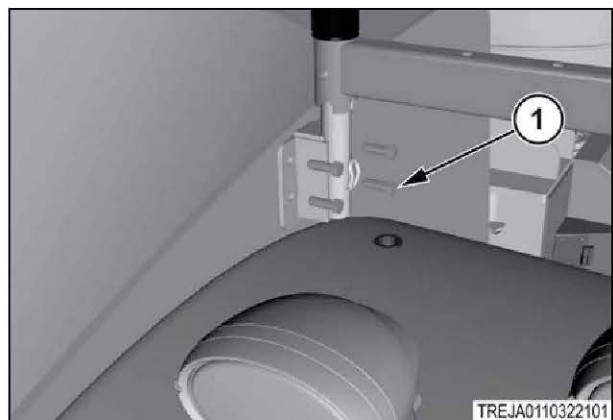


Fig. 187

2. Put the wiring harness down the extremity arm and connect the electrical connector (1) to the turn signal.

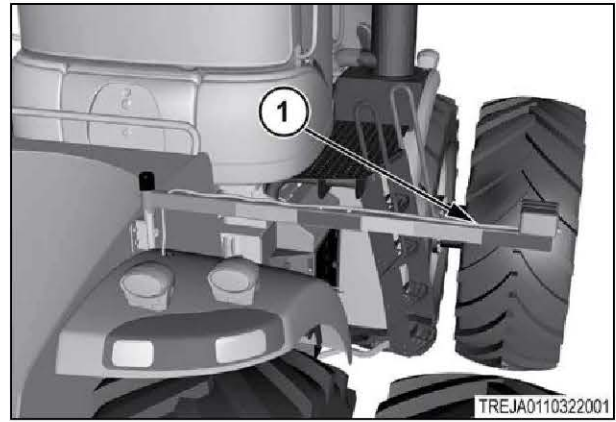


Fig. 188