MACURA

INSTALLATION INSTRUCTIONS

Accessory

FOG LIGHTS P/N 08V31-TZ5-200A

Application

2016 MDX

Publications No. VERSION 1

Issue Date

PARTS LIST

Left fog light



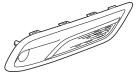
Right fog light



Left fog light cover



Right fog light cover



2 Spring nuts



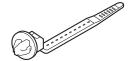
Combination light switch



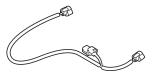
Relay



8 Wire ties with clip (Some may not used)



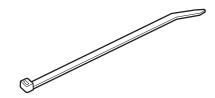
Fog light harness



Ground harness



15 Wire ties (Some may not used)



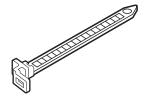
2 Washer-bolts



4 Self-tapping screws



2 Wire ties with holder



TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver

Ratchet

10 mm Socket

10 mm Open end wrench

Diagonal cutters

Tape

Blanket

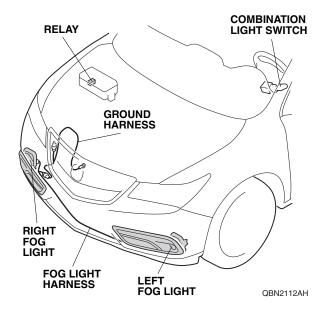
Container

Shop towel

The following tools are available through the Honda Tool and Equipment Program. On the iN, click on: Service > Service Bay > Tool and Equipment Program, then enter the number under "Search". Or, call 888-424-6857.

- Trim Tool Set (T/N SOJATP2014)
- Plastic Trim Tool (T/N SILTRIMTL10)

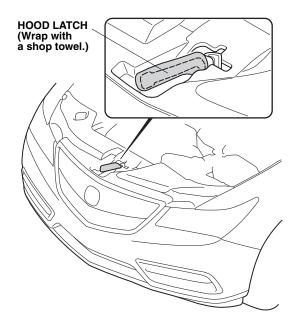
Illustration of the Fog Lights in the Vehicle



INSTALLATION

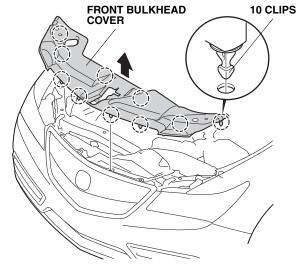
Client Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by "do-it-yourselfers."

- 1. Disconnect the negative cable:
 - Wrap a shop towel around the hood latch.



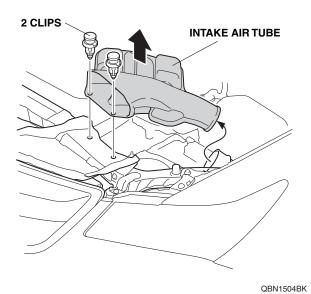
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· Remove the front bulkhead cover.



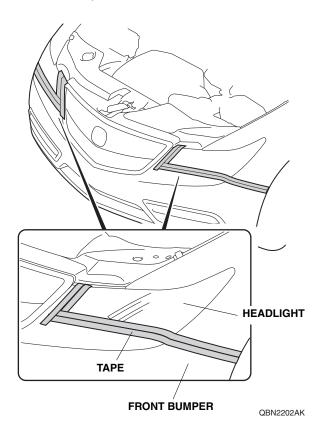
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- Remove the intake air tube.
- Disconnect the negative cable from the battery.

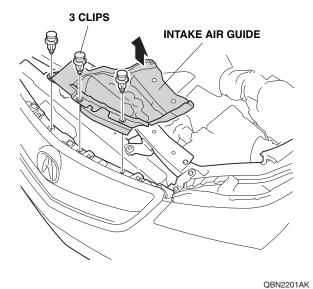


2. Remove the front bumper:

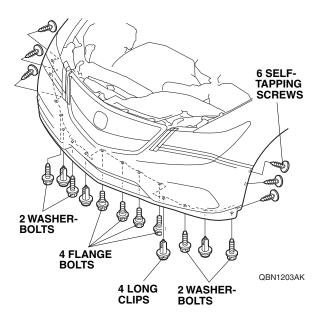
• Attach tape to the areas shown on each side.



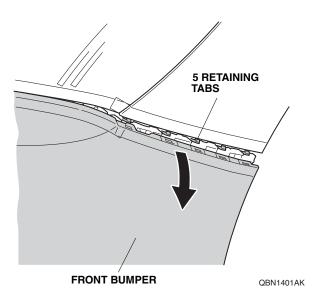
• Remove the intake air guide.



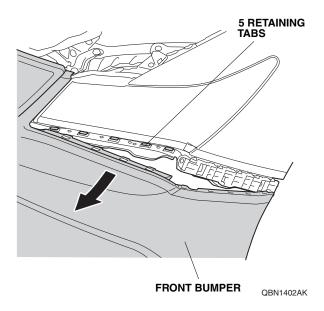
 Remove the six self-tapping screws, four long clips, four washer-bolts, and four flange bolts.



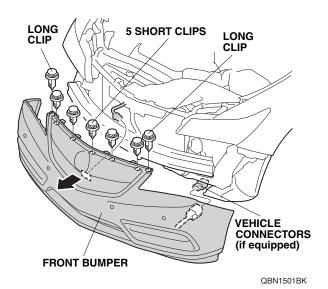
Release the five retaining tabs on each side.



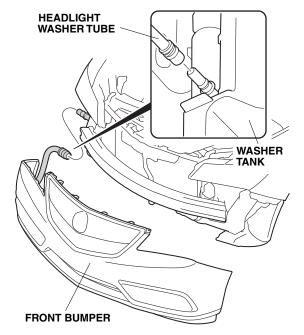
 With the help of an assistant, release the five retaining tabs on each side.



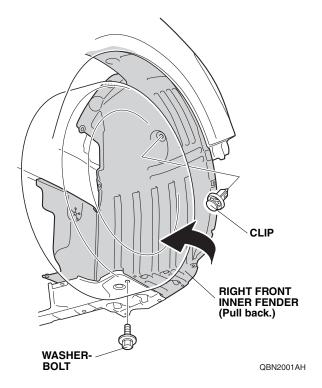
• With the help of an assistant, release the front bumper and unplug the vehicle connectors.



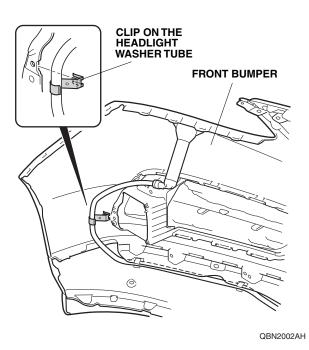
- If the vehicle is equipped with headlight washer, place a suitable container under the tube end to collect the washer fluid from the washer tube.
 Refill the washer tank to the proper level after installing the front bumper. Disconnect the headlight washer tube.
- Remove the front bumper. Place the front bumper on the blanket to prevent damage.



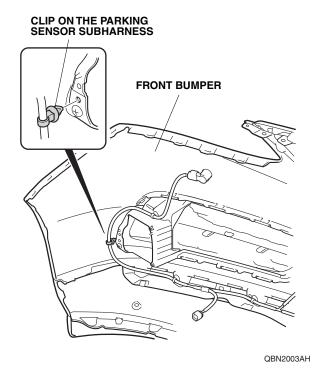
3. Remove one washer-bolt and one clip, and pull back the right front inner fender as shown.



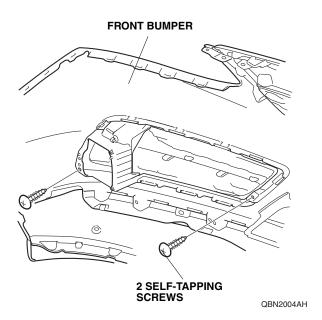
4. If the vehicle is equipped with headlight washer, remove the clip on the headlight washer tube.



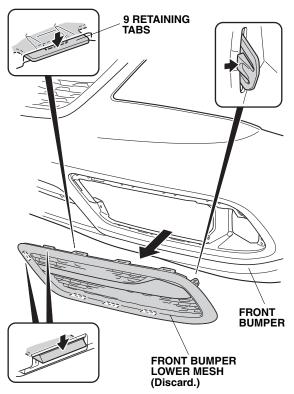
5. If the vehicle is equipped with parking and backup sensor system, remove the clip on the parking sensor subharness.



6. Remove two self-tapping screws from the front bumper.

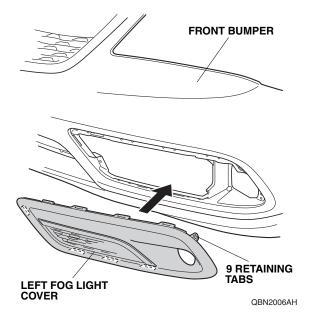


7. Remove the front bumper lower mesh from the front bumper.

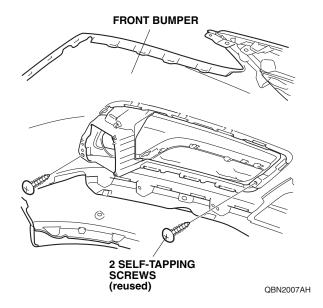


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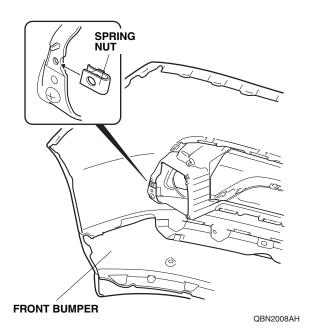
8. Install the left fog light cover to the front bumper.



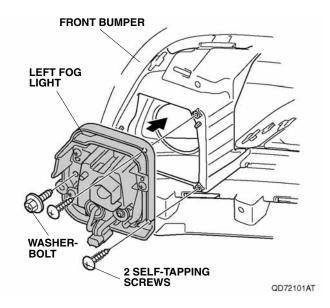
9. Secure the left fog light cover to the front bumper with two self-tapping screws.



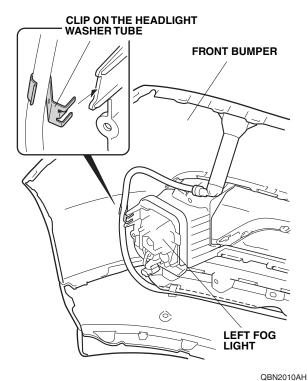
10. Install one spring nut onto the front bumper in the area shown. Make sure to install the spring nut in the correct position and orientation.



11. Install the left fog light to the front bumper with two self-tapping screws and one washer-bolt.



12. If the vehicle is equipped with headlight washer, secure the clip on the headlight washer tube to the left fog light.



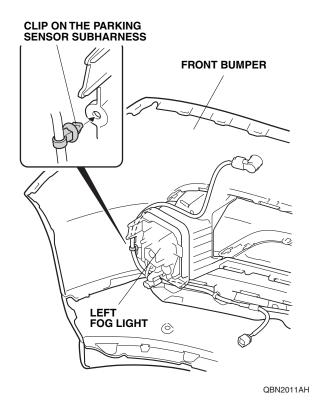
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13. Repeat steps 4 through 12 to install the right fog light.

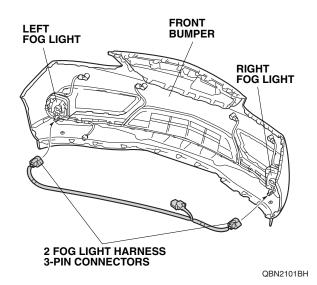
If the vehicle is equipped with parking and backup sensor system, continue with step 14. If not, go to step 20.

With parking and backup sensor system

14. Secure the clip on the parking sensor subharness to the left fog light.

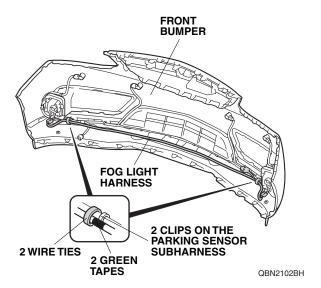


- 15. Secure the clip on the parking sensor subharness to the right fog light.
- 16. Plug the two fog light harness 3-pin connectors into the left and right fog lights.

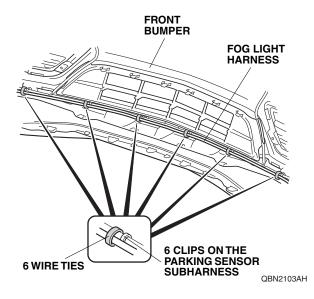


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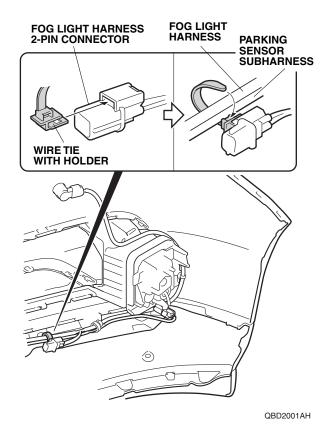
17. Align the green tape on the fog light harness with the clips on the parking sensor subharness, and secure the fog light harness to the parking sensor subharness with one wire tie on each side.



18. Secure the fog light harness to the parking sensor subharness with six wire ties.

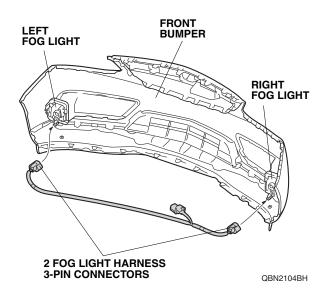


 Secure the fog light harness 2-pin connector to the fog light harness and parking sensor subharness with one wire tie with holder. Go to step 24.

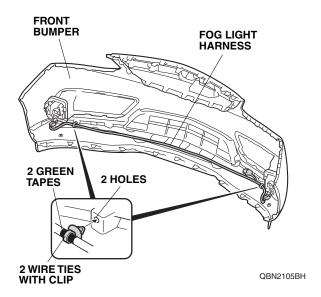


Without parking and backup sensor system

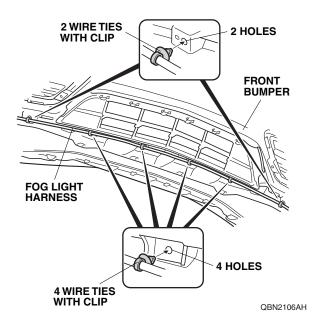
20. Plug the two fog light harness 3-pin connectors into the left and right fog lights.



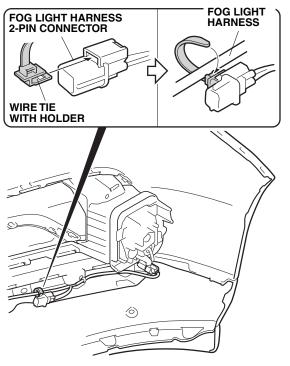
21. Secure the green tape on the fog light harness to the hole in the front bumper with one wire tie with clip on each side.



22. Secure the fog light harness to the holes of the front bumper with six wire ties with clip.

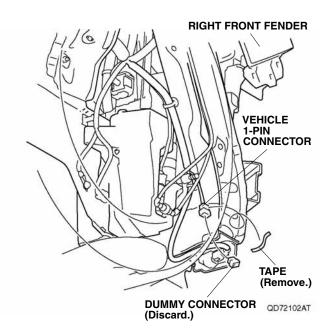


23. Secure the fog light harness 2-pin connector to the fog light harness with one wire tie with holder.

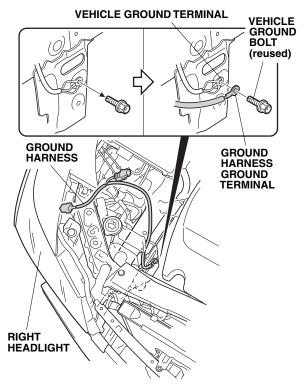


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24. Locate the vehicle 1-pin connector taped to the vehicle harness. Remove the tape to free the vehicle 1-pin connector. Remove the dummy connector from the vehicle 1-pin connector.

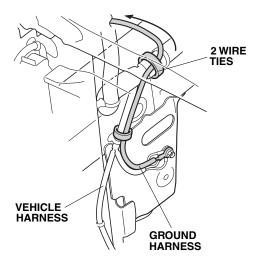


25. Remove the vehicle ground bolt.



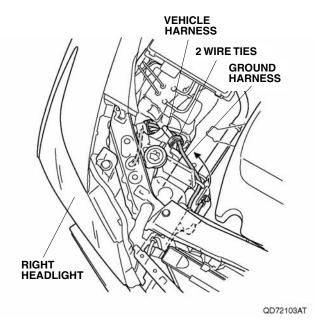
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- 26. Attach the ground harness ground terminal to the vehicle ground terminal, and reinstall the vehicle ground bolt.
 - NOTE: Do not put the ground terminal calkings on top of one another.
- 27. Route the ground harness along the vehicle harness. Secure the ground harness to the vehicle harness with two wire ties.

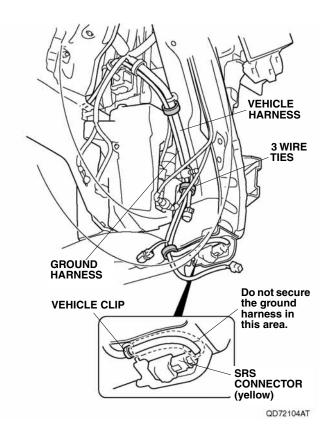


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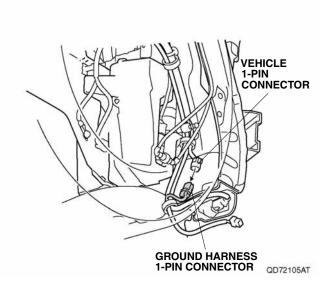
28. Route the ground harness down the right front inner fender area. Secure the ground harness to the vehicle harness with two wire ties.



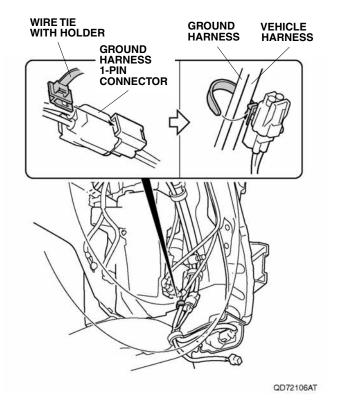
Secure the ground harness to the vehicle harness with three wire ties.



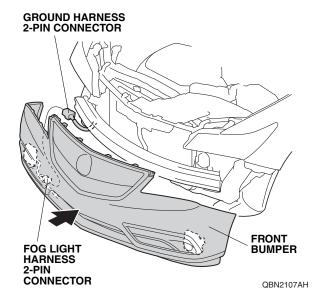
30. Plug the vehicle 1-pin connector into the ground harness 1-pin connector.



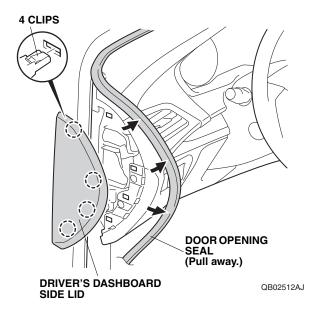
31. Secure the ground harness 1-pin connector to the ground harness and vehicle harness with one wire tie with holder.



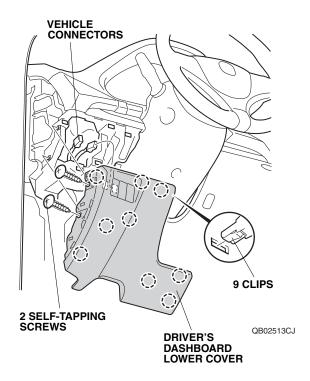
32. With the help of an assistant, bring the front bumper close to the vehicle. Plug the ground harness 2-pin connector into the fog light harness 2-pin connector, then reinstall the front bumper.



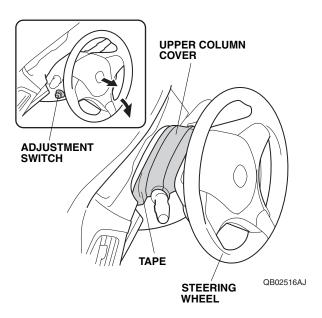
33. Pull away the door opening seal, and remove the driver's dashboard side lid.



34. Remove the driver's dashboard lower cover and unplug the vehicle connectors.

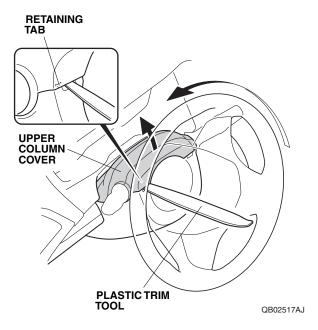


35. Reconnect the negative cable to the battery, then press the engine start/stop button to select the ON mode. Lower the steering wheel by moving the adjustment switch.

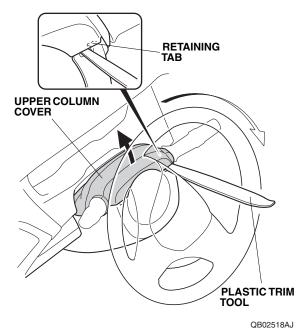


36. Attach tape to the upper column cover as shown.

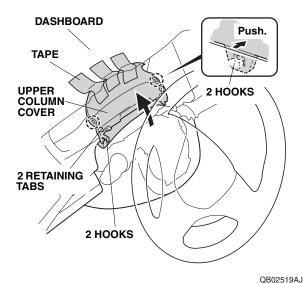
37. Turn the steering wheel 90° counterclockwise. Using a plastic trim tool, release the retaining tab.



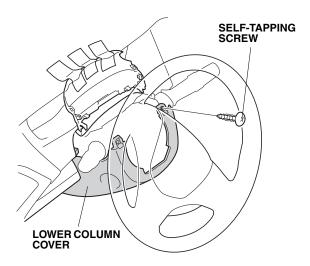
38. Turn the steering wheel 180° clockwise. Using a plastic trim tool, release the retaining tab.



39. Release the upper column cover and secure the upper column cover to the dashboard with the tape.

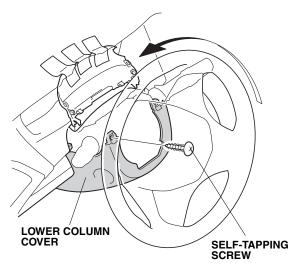


40. Remove one self-tapping screw from the lower column cover.



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41. Turn the steering wheel 180° counterclockwise, and remove the other self-tapping screw from the lower column cover.

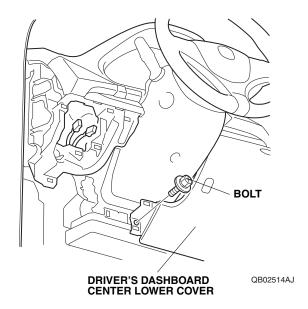


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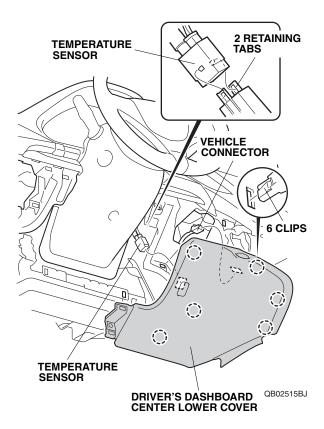
 Press the engine start/stop button to select OFF mode, then disconnect the negative cable from the battery.

NOTE: The steering wheel automatically moves fully in and up. Make sure that the steering wheel is not interfering with the vehicle parts.

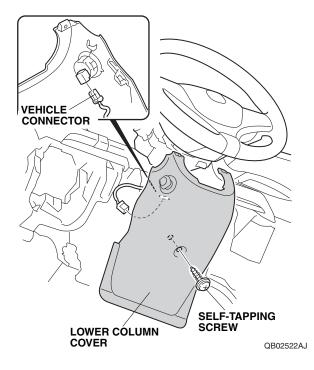
43. Remove the bolt from the driver's dashboard center lower cover.



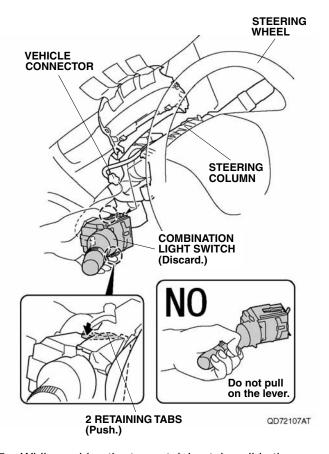
44. Remove the driver's dashboard center lower cover and temperature sensor.



45. Remove the lower column cover and unplug the vehicle connector.



46. Unplug the vehicle connector from the combination light switch.

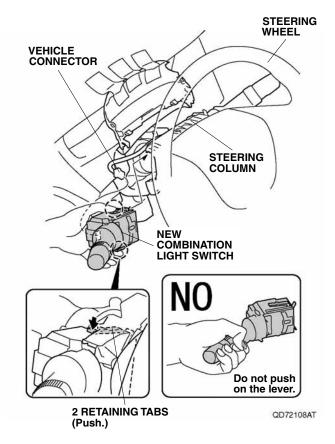


47. While pushing the two retaining tabs, slide the combination light switch out and remove it from the steering column.

NOTE: Do not pull on the lever when removing the switch.

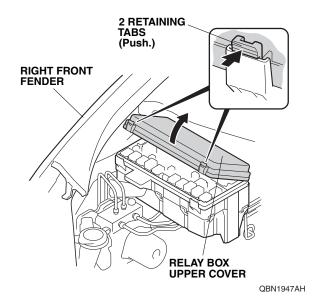
48. Install the new combination light switch on the steering column.

NOTE: Do not push on the lever when installing the switch.

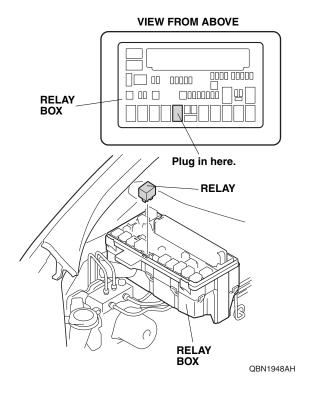


49. Plug-in the vehicle connector to the new combination light switch. Make sure the vehicle harness has some slack.

50. Under the hood, remove the relay box upper cover.



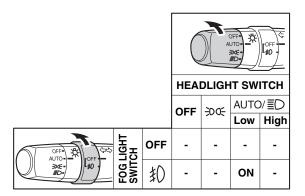
51. Plug the relay into the relay box in the slot shown.



- 52. Check that all wire harnesses are routed properly and all connectors are plugged in.
- 53. Reinstall all removed parts except for the front bulkhead cover and the intake air tube.
- 54. Reconnect the negative cable to the battery.
- 55. Reinstall the front bulkhead cover and the intake air tube.
- 56. Press and hold the radio power button for two seconds to restore the radio and navi (if equipped) system functions.
- 57. Reset the clock.
- 58. Restore the systems back to normal operation as described in the Service Manual if necessary.

Check the Operation of the Fog Light

- 59. Turn the headlight switch to the AUTO or "**■D**" position (headlights on low beam).
- 60. Turn on the fog light switch (indicator is on).
- 61. If the fog lights do not turn on, check the fuse and all the connectors, including the ground cable.



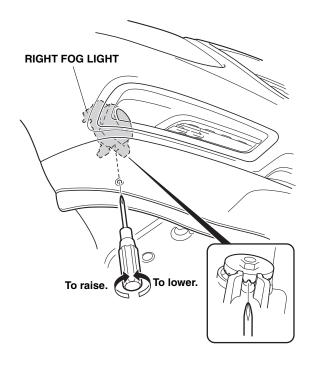
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NOTE: The fog light lenses may cloud when the outside temperature is cold; this is normal and should go away in warm weather.

How to Aim the Fog Lights

62. Adjust the fog light aim by turning the adjustment screw in or out until the correct aim is obtained.

Adjust the aim according to local laws and regulations.



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LED REPLACEMENT

NOTE: The fog light (LED) is a part of the fog light assembly, and it cannot be replaced by itself.