

VOLVO 2010-14 XC70

PRECAUTIONS

Warning: Batteries produce explosive hydrogen gas. Do not allow open flames, burning materials, or sparks near the battery.

Warning: Batteries contain sulfuric acid. Avoid contact with skin, eyes or clothing. Wear safety goggles when working near the battery to protect against possible splashing of the acid solution.

Warning: If acid is swallowed, rinse the mouth with plenty of water and then drink plenty of water or milk. Do not induce vomiting. Seek immediate medical attention.

Warning: When charging the battery, protect face and wear safety goggles. Ensure adequate ventilation.

Warning: In principle, all batteries can cause serious injury if they are short-circuited by, for example, jewelry or metal tools.

Warning: The Supplemental Restraint System (SRS) is active for a certain length of time after the power supply has been disconnected. Wait for a minimum of three minutes before disconnecting or removing any SRS components.

Warning: When switching the ignition ON for the first time after a battery disconnect and connect, stand outside the vehicle and reach into the vehicle, keeping clear of the air bag operating areas.

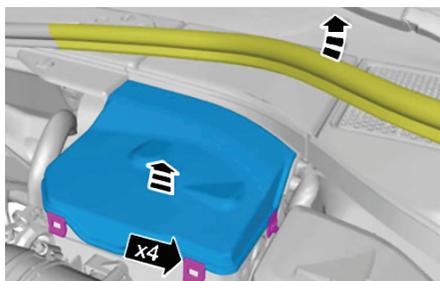
Caution: Boost charging with excessive current or voltage above 16 volts will damage the battery.

BATTERY

Primary

REMOVAL

1. Record radio anti-theft code and station presets.
2. Turn OFF all lamps and accessories.
3. Turn ignition switch to OFF position.



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Fig. 1 Battery cover removal

4. Position weatherstrip aside, **Fig. 1**.
5. Unlatch battery cover and remove, **Fig. 1**.
6. Remove side panel cover, **Fig. 2**.
7. Remove battery vent hose and loosen nuts, **Fig. 3**.
8. Remove battery cables, **Fig. 3**.
9. Remove screw and battery hold down, **Fig. 4**.
10. Remove battery from vehicle.

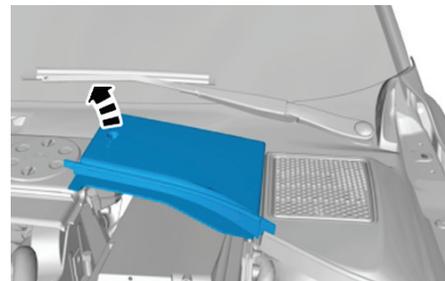
INSTALLATION

1. Place battery into position.
2. Install battery hold down and screw, **Fig. 4**. **Torque** screw to 89 inch lbs.
3. Install battery cables and **torque** nuts to 53 inch lbs., **Fig. 3**.
4. Install battery vent hose, **Fig. 3**.
5. Install side panel cover, **Fig. 2**.
6. Install battery cover and clip securely, **Fig. 1**.
7. Position weatherstrip, **Fig. 1**.
8. Reset all preset and theft codes previously recorded to radio.
9. Completely open and close all power windows.
10. Inspect any affected system or component such as clock, comfort adjustment or compass for proper settings, and adjust as required.

Auxiliary

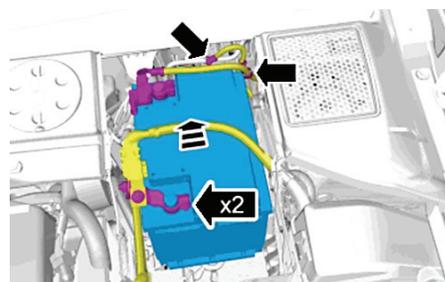
REMOVAL

1. Remove cowl panel cover.



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Fig. 2 Side panel cover removal



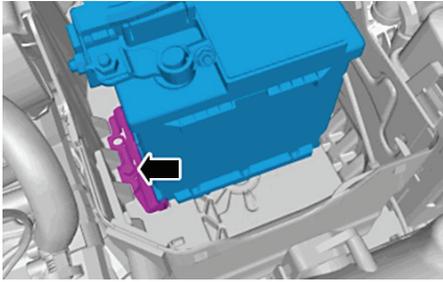
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Fig. 3 Battery cable removal

2. Remove auxiliary battery vent hose, **Fig. 5**.
3. Open battery cable cover and remove auxiliary battery cables, **Fig. 5**.
4. Remove nut and auxiliary battery hold down, **Fig. 6**.
5. Remove auxiliary battery from vehicle.

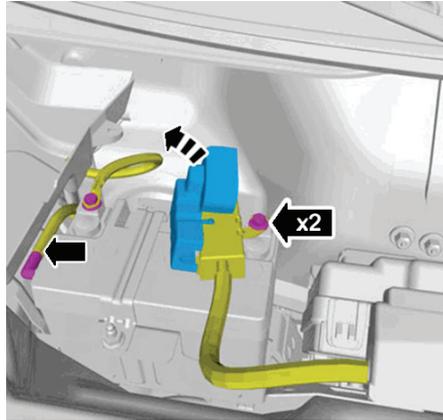
INSTALLATION

1. Place auxiliary battery into position.
2. Install auxiliary battery hold down and nut, **Fig. 6**. **Torque** nut to 89 inch lbs.
3. Install auxiliary battery cables and **torque** bolts to 62 inch lbs., **Fig. 5**.
4. Close and latch battery cable cover.
5. Install auxiliary battery vent hose, **Fig. 5**.
6. Install cowl panel cover.



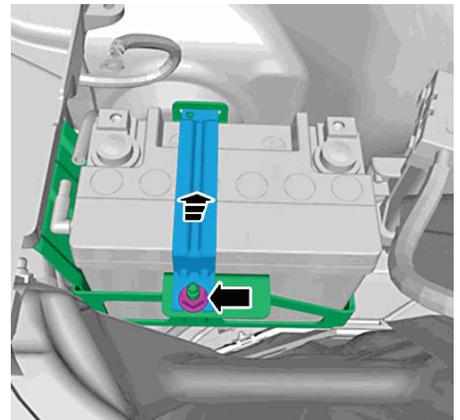
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Fig. 4 Battery hold down removal



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Fig. 5 Auxiliary battery cable removal



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Fig. 6 Auxiliary battery hold down removal

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