

2022 CHEVROLET CORVETTE SERVICE MANUAL

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Lifting and Jacking the Vehicle

Danger:

Failure to utilize and correctly install the J-43625 Lift Pad Adapters can cause the vehicle to fall causing vehicle damage, serious injury or death. To help ensure proper vehicle weight distribution when lifting, the vehicle must be lifted utilizing the J-43625 Lift Pad Adapters installed correctly in their proper location.

Danger:

To avoid any vehicle damage, serious personal injury or death:

- When major components are removed from the vehicle and the vehicle is supported by a hoist, support the vehicle with jack stands at the opposite end from which the components are being removed and strap the vehicle to the hoist.
- When performing work in the engine compartment or under the vehicle, ensure that the hood is fully open, or opened to its secondary latch. When the hood is opened to the secondary latch, the vehicle will disable the remote start features from the key fob and OnStar mobile app. Failure to open the hood, or open the hood to the secondary latch while doing a repair in the engine compartment or under the vehicle can result in inadvertent vehicle starting which could result in personal injury or damage to a vehicle.

Warning:

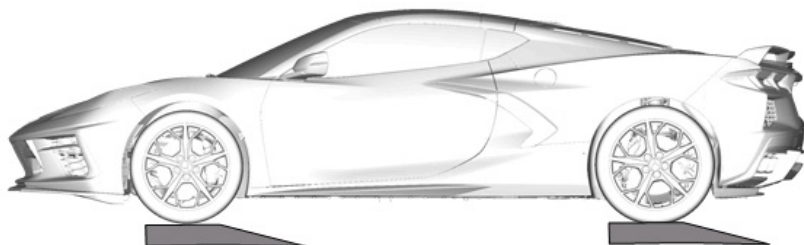
To help avoid personal injury, always use jack stands when you are working on or under any vehicle that is supported only by a jack.

Caution:

When you are jacking or lifting a vehicle at the frame side rails or other prescribed lift points, be certain that the lift pads do not contact the catalytic converter, the brake pipes or the fuel lines. If such contact occurs, vehicle damage or unsatisfactory vehicle performance may result.

Before you begin any lifting procedure, be sure the vehicle is on a clean, hard, level surface. Be sure all the lifting equipment meets weight standards and is in good working order. Be sure all the vehicle loads are equally distributed and secure. If you are only supporting the vehicle at the frame side rails, make sure the lifting equipment does not put too much stress on or weaken the frame side rails.

Lifting Considerations for Vehicles with Ground Effects



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It may be necessary to put the vehicle on gradual incline ramps to allow the lift arms to fit under the vehicle.

Minimum Ramp Dimensions

- Height: **76 mm (3 in)**
- Width: **304 mm (12 in)**

Lifting Points Under Vehicle

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Note:

There are specific frame rail slots (1), one at each corner for the *J-43625* Lift Pad Adapter to fit into for lifting and jacking.

Vehicle Lifting “Frame Contact Hoist

Special Tools

J-43625 Lift Pad Adapter

Front Hoist Pads

[Click here for full size](#)

Install the *J-43625* Lift Pad Adapter (1) into the front frame rail slot (3) and rotate 90 degrees.

Center the front hoist pad (2) under the *J-43625* Lift Pad Adapter (1).

Rear Hoist Pads

[Click here for full size](#)

Note:

If you are removing the rear cradle shear plate, position the hoist pad to allow removal of the mounting bolts.

Install the *J-43625* Lift Pad Adapter (1) into the rear frame rail slot (3) and rotate 90 degrees.

Center the hoist pad (2) under the *J-43625* Lift Pad Adapter (1).

Vehicle Jacking

When you are lifting a vehicle with a vehicle jack or a service jack, block the wheels at the opposite end from which you are lifting. Use jack stands to provide additional support.

Under the Frame Rails “Front

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Note:

Use only service jacks utilizing smaller diameter lifting pads, to reduce the possibility of contact with undesired areas of the vehicle:

Install the *J-43625* Lift Pad Adapter (1) into the slot on the front frame (2) and rotate 90 degrees into place.

Under the Frame Rails “Rear

[Click here for full size](#)

Note:

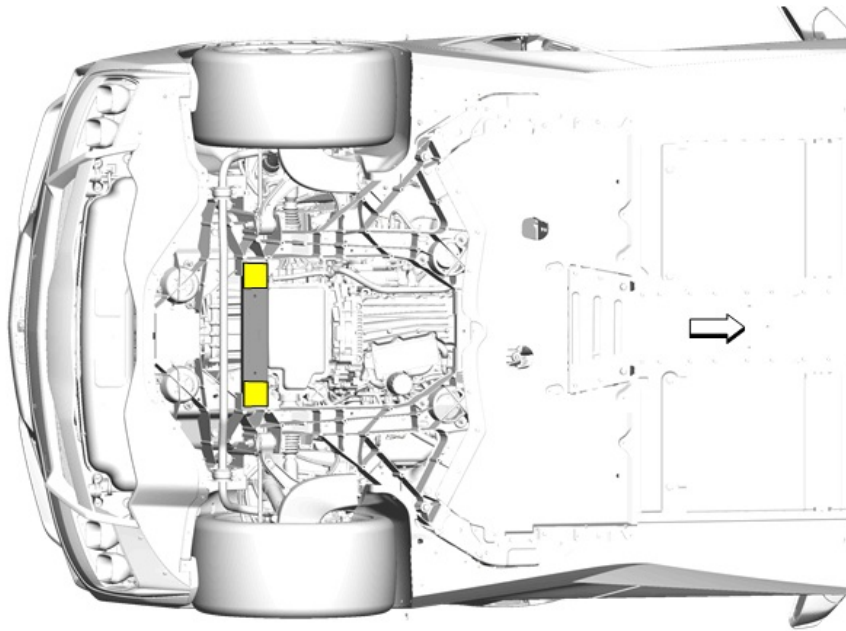
Use only service jacks utilizing smaller diameter lifting pads, to reduce the possibility of contact with undesired areas of the vehicle:

Install the *J-43625* Lift Pad Adapter (1) into the slot on the rear frame (2) and rotate 90 degrees into place.

Supporting the Vehicle on the Hoist when removing Major Components

Rear Suspension Cradle

Remove the underbody rear air rear deflector. Underbody Rear Air Rear Deflector Replacement



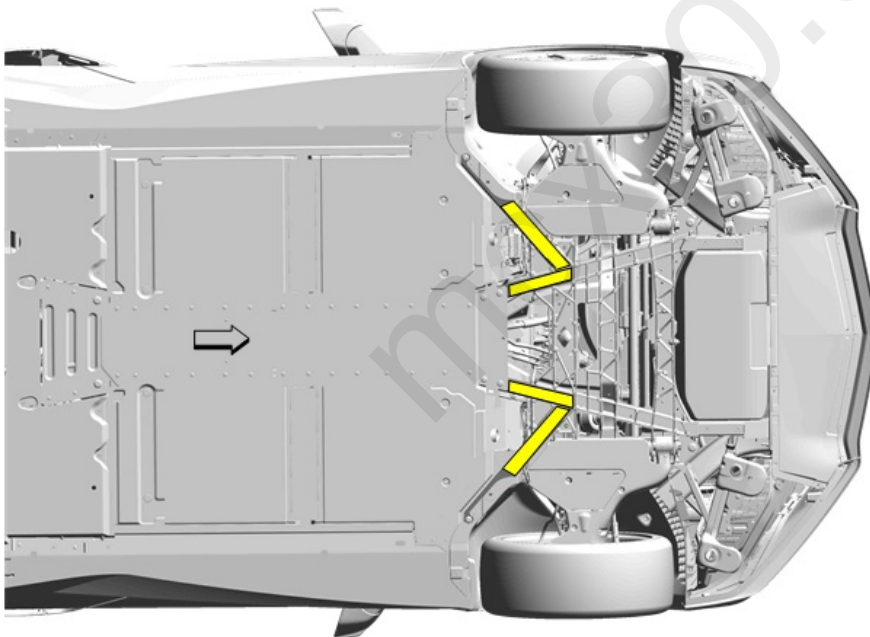
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Note:

Support in the area shown only.

Front Compartment Side Rail Braces

Remove the front compartment Insulator. Front Compartment Insulator Replacement



[Click here for full size](#)

Note:

Support only in the areas shown.