



## Nissan & Infiniti Performance Specialists

Thank you for purchasing from Z1 Motorsports. We want to make sure you are happy with your new Hatch struts and hope this installation guide can streamline the process for you. In the incident that this is not enough information or if you have questions or concerns regarding your new kit please don't hesitate to call us directly 770-838-7777.

While our parts are very similar to the factory originals, they have been slightly revised to make the installation process easier.

### Parts List

- Lower Mounting plates (2 pcs)
- Hatch strut assembly (2 pcs, includes upper mounting stud and socket ends)
- Lock pins (2 pcs)

### Tools required

- 12mm open end wrench
- 10mm Socket
- Ratchet
- Hatch support (anything or anyone really who can support the hatch safely for a few minutes while the parts are swapped out).



Once you are ready with your parts and tools begin by opening and safely supporting the rear hatch.

Remove the first side by unscrewing the top ball stud. These do not come out of the factory socket ends so you will have to reach in carefully and unscrew these (they are standard thread so a counter-clockwise motion should be used).

Carefully support the strut as the ball stud is unbolted so it doesn't drop and damage anything.

Now remove the two 10mm bolts holding the plate down. Swap the hardware and gasket over to your new mounting plates and install.

**\*Carefully notice the orientation of the mounting plate. The replacement parts are to be installed in the same orientation.**



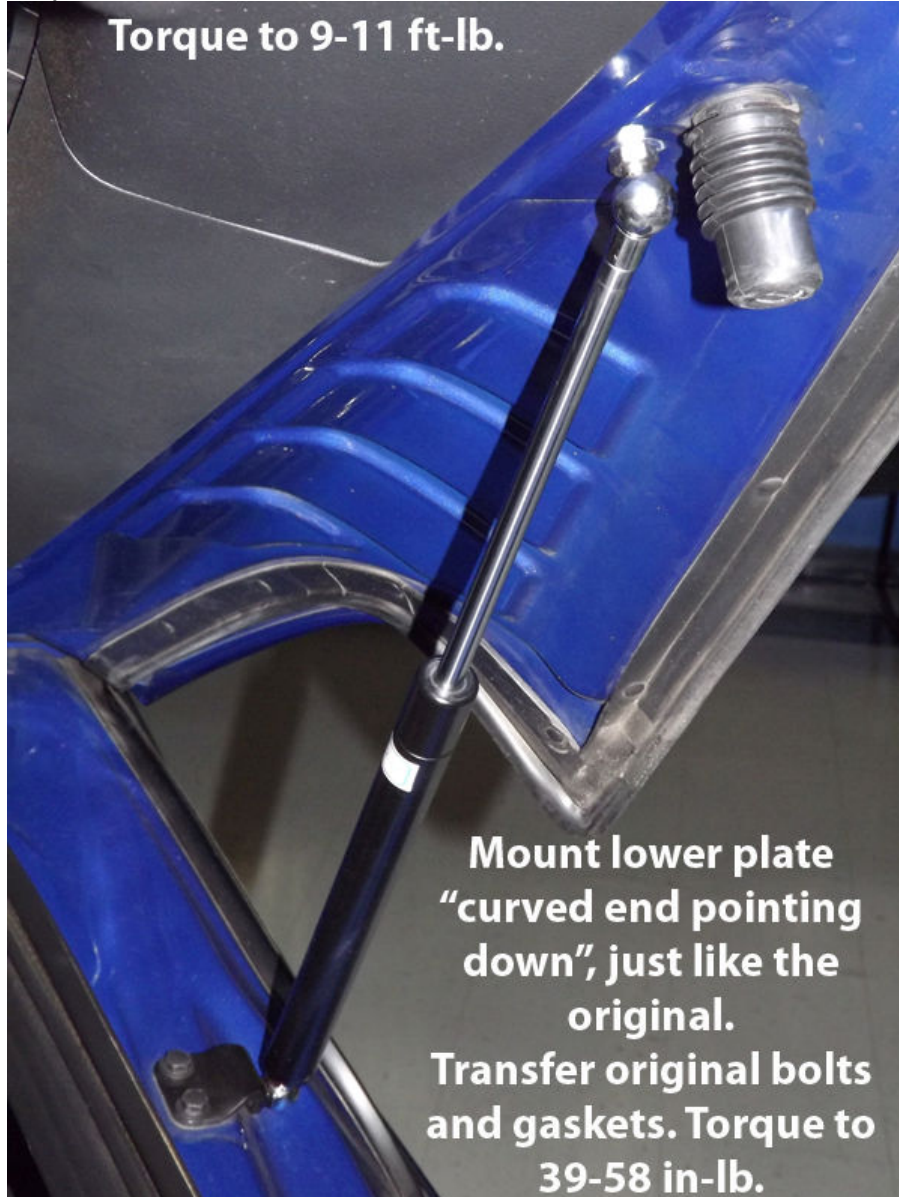
**\*Carefully notice the orientation of the mounting plate. The replacement parts are to be installed in the same orientation.**

Now that the plate is installed correctly you can proceed with the strut assembly installation. Start by threading in the 12mm Ball stud for the top into the hatch.

Take your time here and do not rush, you do not want to cross thread these into to hatch.

Once the top end is securely in place you can install the lower end onto the mounting plate. You may have to lift up slightly on the hatch to get the socket end to go over the ball. If the socket end is not oriented in line to snap onto the lower plate simply rotate the lower strut housing until it lines up. We recommend you turn the shock counter clock wise from the birds eye reference point as to not unscrew

the already installed top end (the socket ends are threaded on, we loctite ® the ends on here but this should method should further help to keep the ends from coming loose). Once aligned simply push the end over the lower ball stud, it should **snap** into place. If it does not, tap the back of the part and it should easily snap into place.



Now it is time to install the lower locking pin.



If you have trouble sliding the pin through the small holes, try slightly rotating the assembly back and forth until the pin clears the stud and will slide in. Don't force the lock pin because it will bend and be damaged easily. If you are still having trouble getting it to slide through, check again that the part is seated completely on the ball stud by firmly pushing it inwards then try again.

Now repeat the procedure on the opposite side (\*do not use the vise grip method on the new parts), and test the operation. If your hatch will not latch all the way, check the mounting plates, this is the #1 error made during the install of these parts.

The factory guide is below.

## Removal and Installation of Back Door Stay

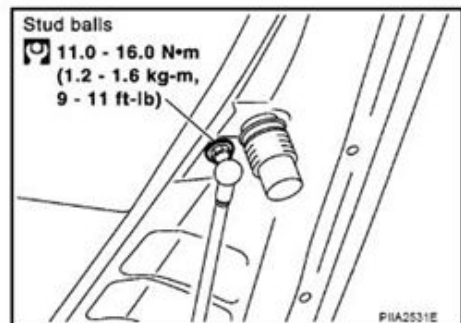
1. Support the back door striker with a proper material to prevent it from falling.

**WARNING:**

Body injury may occur if no supporting rod is holding the back door open when removing the damper stay.



2. Remove stud balls on back door.



3. Remove back door stay assembly (gas stay) bracket adjusting nuts and remove back door stay assembly. Install in the reverse order of removal.

**CAUTION:**

After installing, check operation.

