



Protecting Your Adventure Lifestyle

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## 40901 Mitsubishi Lancer Hoodlift® Kit

### INSTALLATION INSTRUCTIONS

### Fits '08-'12 Lancer & Evolution

**NOTE:** Congratulations on your purchase of a genuine HoodLift® made by the company who invented the Jeep aftermarket HoodLift® in the mid 1990's. It is made from the finest components available and should give you years of trouble-free service. The installation should take less than an hour and some drilling is required. Please read through the entire instructions before getting started.

Tools needed	Supplied Parts
Hand drill, preferably cordless	(2) Gas springs
5/16" Drill bit	(2) 10mm threaded ball studs
5/16" Socket and ratchet handle	(2) 5/16" Nylock nuts
7/16" Box end wrench	(2) Lower ball stud brackets
½" Box end wrench	(6) Sheet metal screws
Marker pen or scribe	(4) Star lock washers
Center punch	(1) 7/64 <sup>th</sup> Drill bit

### INSTALLATION

1. Lift up the hood and place it on the factory prop rod. On the hood hinges there is a groove formed in the metal. At the end of the groove, make a mark in the center of the radius. Hit this mark with a center punch then drill with a 5/16" drill bit. Clean up any burrs left behind and touch up the bare metal with some paint to prevent any rust from forming. (Fig. 1)



2. Take the 10mm threaded ball studs and bolt them through the holes in the hinges with the ball studs facing inwards. (Fig. 2)



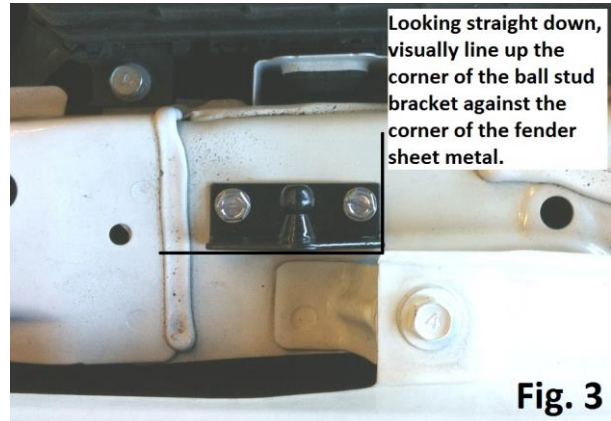
3. Now we will be mounting the lower ball stud brackets. Observe the bracket orientation in Fig. 3 and locate the brackets accordingly. Mark through the holes in the bracket with a marking pen then use the center punch to assist in drilling.



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4. Wrap some masking tape around your 7/64" drill bit as shown in **Fig. 4** so it will only go approx. 1/4" through the sheet metal. This is to prevent you from drilling too far and damaging anything that may be below the surface of the sheet metal. Make certain the tape is wrapped tight and that it goes all the way to the drill chuck so the tape doesn't slide. Take a center punch and tap an indent into the center of each mark you've made for the holes. This will prevent the drill bit from wandering around the surface when starting to drill the hole. Drill the holes with the tape-wrapped drill for the two sheet metal screws. Set the bracket back onto the compartment surface with the ball studs facing inward toward the engine.



5. Put a star lock washer on a sheet metal screw and drive it into the hole you just drilled. Tighten the screw with a socket and ratchet only to hand-tight. Proceed carefully and don't strip the threads or break the heads off. There are 2 extra screws included as a precaution. Install the other lock washer and screw into the remaining hole finishing the bracket installation. Repeat for the other side of the vehicle.
6. Take the gas springs and with the cylinder side up, snap them onto just the hinge mounted ball studs. Next, fold the factory prop rod back into its parked location while continuing to hold up the hood with your hand. Now snap the gas springs onto the lower ball stud brackets, taking care to not let go of the hood until both gas springs are snapped into place. If you snap the gas springs completely on before folding the factory prop rod, you may have some difficulty disengaging it. Your hood will now remain up, but before testing the opening and closing function of the install, check for tools or anything that may have been left in the engine compartment.
7. Once you've determined the engine compartment is free and clear, go ahead and lower the hood slowly making sure there is no binding or clearance issues. If everything checks out ok, lift up on the hood allowing the gas springs to take over about 1/3<sup>rd</sup> of the way up. Close and open the hood a few times to check the gas springs' functionality. They should raise the hood from a neutral point about 12" opened and come to a smooth, dampened stop at the top of the stroke. If it does not have that dampened stop, you may have inadvertently installed your gas springs upside down. The large cylinder portion of the gas spring should be oriented up. Upside down gas springs will also have a shorter life than properly installed ones.



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8. If you ever need to remove a gas spring from its ball stud bracket, slip a small screwdriver under the small semi-circular clip near the end and lift it up to release it from the ball stud it is capturing. To replace a gas spring, just snap it back onto the ball stud.
  9. Your installation is now complete.



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If you need further assistance installing your product, please contact us by email at [techsupport@warriorproducts.com](mailto:techsupport@warriorproducts.com) or call us at (888) 220-6861.

**THANK YOU FOR PURCHASING HOODLIFT BY WARRIOR PRODUCTS**

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