



Driven by Design

Hummer H3 & H3T 1" Body Lift



Thank you for choosing Daystar Products

Daystar recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating of the vehicle.

Please read all the instructions before beginning the installation. Check the kit hardware against the parts list. Be sure you have all the needed parts and understand where they go. If anything is missing, do not proceed with the installation, Call Daystar Products to obtain needed items.

Product Use Information

As a general rule, the taller a vehicle is the easier it will roll. We strongly recommend, because of rollover possibility, that Seat belts and shoulder harness be worn at all times. Avoid situations where a side rollover may occur.

Braking performance and capabilities are decreased when significantly large/heavier tires and wheels are used. Take this into consideration while driving. Also, speedometer recalibration is necessary when larger tires are installed.

Do not add, alter, or fabricate any factory or after-market parts which increase vehicle height over the intended height of the Daystar Product purchased. Mixing component brands, lifts, and/or combining body lift with suspension lift voids all warranties. Daystar makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any products that is altered.

Notice to Dealer and Vehicle Owner

Any vehicle equipped with any Daystar Product must have the "Warning to driver" decal installed on the sun visor or dash. The decal is to act a constant reminder for whoever is operating the vehicle of its unique handling characteristics. **INSTALLING DEALER**— Its is your responsibility to install the warning decal and forward these instructions on too the vehicle owner for review and to be kept in the vehicle for service life.

After installation occurs, a qualified alignment facility is required to align the vehicle to factory specs.

Hummer H3 & H3T 1" Body Lift Instructions

Your new Daystar body lift kit will allow the installation of 35" tires. Larger tires can be fitted if paired with our 2" torsion bar key kit, and some trimming .

The tools needed for installation are on the last page . A list of parts in the kit are under the BOM, verify that you have all parts prior to installing your new Body Lift Kit . Make sure you have all of the proper tools and understand these directions before proceeding. Place Vehicle on level ground. Be sure that the wheels are blocked and the vehicle is in park.

Fan Shroud

The Factory Fan Shroud is a two piece design; you will need to remove the lower half of the fan shroud so that it can be trimmed.

Fan Shroud Removal (Fig. 1-4)

1. Locate the two center push tabs on the shroud (upper fan shroud), depress these to loosen the lower portion of the shroud from the Top Portion
2. On the bottom of the fan shroud remove the push in style radiator hose supports, (careful not to damage these as you will re-use them) Pull the radiator hose back.
3. Depress the two tabs at the bottom of the fan shroud; with the shroud loose at the top and bottom pull the shroud down. The Fan Shroud at this time should be free and able to move.
4. Turning the Fan shroud up in a CCW position and pulling down on the shroud will allow for removal.

Trimming the Fan Shroud (Fig. 5-6)

1. With the fan shroud out and on a flat surface (lip facing up) you will want to make a line from the Top Part of the lip, on the Outside portion of the shroud. The line is to be a 1/4 inch out from the top lip.
2. The 1/4" line is to go all the way around the shroud; this is your cut line.
3. Trim the Shroud
4. A 3/8" hole will need to be drilled a half inch up from the bottom center of the fan shroud.
5. After you make the cut you will want to debur all edges
6. When cutting and deburing are finished, reverse the step of removal to reinstall the shroud.
7. When the Fan Shroud is re-installed place supplied push on hose support into the new hole that was drilled. This is an additional support for the radiator hose.
8. Place the radiator hose in and supports back on the shroud. To install the trimmed fan shroud reverse steps 1-4 of fan shroud removal.

Body Measurement (Fig. 7-9)

Prior to installing your new Daystar Body Lift you will need to take body to frame, bed to frame rail measurements and measure the gap between the body and bed. These measurements are what you will need to adjust your body and bed back to after installing your Body Lift.

When measuring the body you will want to measure down the drivers side and passenger side in three different locations.

1. In front of the front tire
2. Middle of the vehicle (at the front door and rear door seam)
3. The back of the body (where the bed and body separate)



Fig. 1

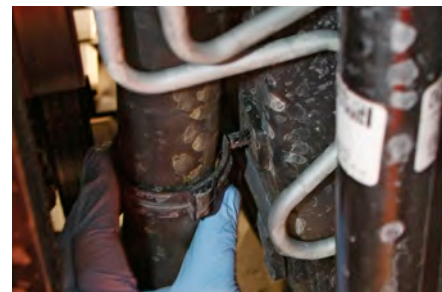


Fig. 2



Fig. 3

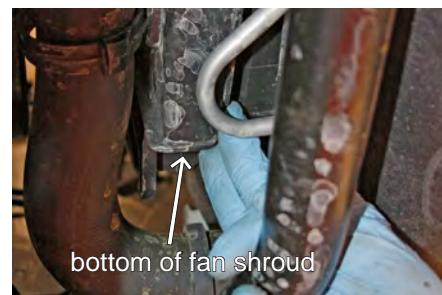


Fig. 4



Fig. 5



Fig. 6

We recommend you take the body measurements from the lowest point on the body and the outside of the frame rail. (If you choose to use different locations for measuring be sure that you use the same reference points on both sides)

The bed will require two measurements down the drive side and passenger side as well. You will want to measure at the front of the bed where the bed and body separate and at the back of the bed just behind the drive tires. You should use the same measuring points as you did on the body.

To measure the gap between the bed and body you will want to measure in three spots; Top, Middle, and Bottom on both drive and passenger side of the vehicle.

Bumper Cap (Fig. 10-11)

The Rear Bumper Cap will require removal and trimming of the two triangle tabs on top side of the bumper cap. To remove the cap simply pop the two plug caps at the top and remove the screw using a Phillips head screw driver. You will then want to go underneath of the bumper cap and remove the torx head screws, once the cap is loose locate the push style clips on the back side of the bumper cap, depress and slightly pry up on the bumper cap.

Once the bumper cap is removed trim the triangle tabs on the top side, and debur. Simply reverse these instructions to re-install the bumper cap.

Body Lift Install (Fig 12, 13)

When installing your new Body Lift Spacers be sure to only do one side at a time. You will want to loosen the opposite side that you are working on just enough so that you can raise the side you are working on up to slide in your new spacers.

Drive/Passenger Side Installation

You want to raise the driver side with caution so that you do not over extend the steering shaft!

1. Loosen the bolts from the side that you are working on just enough so that you can get the body high enough to install the new spacer on top of the factory piece. When you remove the factory bolts remove the plastic bushing that came out with them and replace the bushings onto the supplied bolts
2. You will want to find a sturdy place on the body and raise that side of the body
3. Starting from the front, install the first body spacer on top of the existing factory piece, install the longer supplied bolt (apply provided loctite) and tighten by hand till snug. Repeat this step for the rest of the spacers.
4. When you have the side completed move to the opposite side and repeat steps 1-3 Repeat Steps 1-4 for bed installation

Bed Support Pads (H3T only Fig 14)

There are four Bed Support Tabs supplied in the kit, you will need to install these when you are installing your body lift spacers for the bed. The location of where these will go is just behind the front bed spacers, and just in front of the rear bed spacers. You will want to remove the factory clear isolators and replace with supplied bed support spacers

When you have installed all of your 1" body spacers you will want to go around and snug up all of the bolts in a criss cross pattern, but do not tighten.



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

Now is the time where you will want to adjust your bed and body back to the measurements you took in the beginning. You may want to use a pry bar to gently pry the body back into place.

Once your body and bed have been re-adjusted you will want to torque all the bolts to **75ftlbs** in the same criss cross pattern. After you have torqued all the bolts, recheck your measurements. Make adjustments if necessary.

Top of Fan Shroud (Fig. 15)

The top of the fan shroud will also need to be trimmed so that air intake tube does not rub. Trim the section where the air intake tube is touching on top of fan shroud. Trim just enough so it clears.

Back of engine cover (Fig. 16)

The back of the engine cover is going to need trimming so there is no contact from the heater hose that are running into the firewall. You will want to make small cuts to the engine cover until you have clearance.

Heater Core Hoses (Fig. 17)

The heater core hoses run from the front of the motor to the fire wall. Locate the bracket that is on the passenger side cylinder head, loosen and adjust the bracket counter clockwise approximately 1.5" this will give you additional clearance from the fan shroud.

Prior to Starting or driving your Hummer you will want to check all of the brake lines, parking brake cables, and hoses underneath of the vehicle. You will want to make sure they are not pulled out, bound up, kinked, or too tight. This must be verified prior to driving. Make adjustments necessary prior to starting or driving!

Tools Needed

22mm Socket
19mm Socket
Short Extension
Long Extension
Ratchet
Tape Measure

BOM

12x M20166-BK 1" Body Lift Spacers
4x M20176-BK 1" Bed Support Spacers
12x Bolt M14-20X160 10.9
4x Bolt M14-20X90 10.9
16x Flat Washer
2x Loc-Tite (red)

Other Must-Have Daystar Accessories for Hummer H3 & H3T



KG09108
2" Leveling Kit



KG09113
Upper Dash Panel

Instruction Sheet P20166
2009 Daystar Products International Inc.



Fig. 13



Fig. 14



Fig. 15

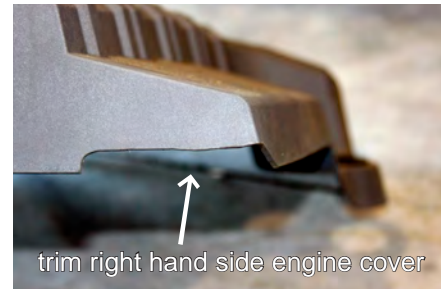


Fig. 16

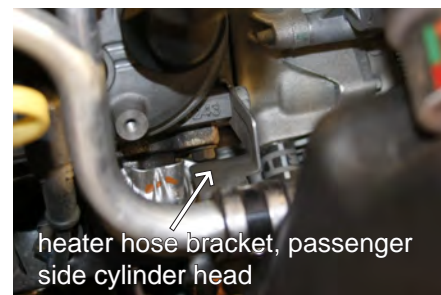


Fig. 17

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