

2011-2018 Jeep Grand Cherokee 5.7L V8

Kit Includes:

- 1) # 1022084 passenger side muffler 1) # 1022091 driver side h pipe 1) # 1022092 passenger side h pipe
1) # 1022093 driver side extension pipe 1) # 1022094 passenger side extension pipe 1) # 1022083 driver side muffler
3) 2-1/2" accusal clamps # A25AF 1) # 2649 driver side 2-1/2" hanger clamp 1) # 2648 passenger side 2-1/2" hanger clamp
2) # 2647 strap hanger 2) 13105 3/8" x 1" bolt 2) 3/8" flange nuts # 0166988
4) # 26338 shoulder bolts 8) # 33219 washers 4) 5/16" nuts

DANGER WARNING: Should the purchaser decide to install this exhaust product at home, be warned that pleasure car or light duty truck/van "bumper" jacks are intended for emergency use only. The use of frame contact jack stands in conjunction with a floor jack as main support is highly recommended to minimize accidental dropping of a vehicle while the installation proceeds.

Limitation of liability--Disclaimers: The regulation of emissions production, noise levels and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns and counties.

The manufacturer makes no warranties of merchantability, of fitness for a particular purpose, or that its products are approved for general use, or that its products comply with laws, regulations or ordinances in the states where they may be sold to the ultimate purchaser, the consumer.

The entire risk as to the conformity of this product in any such state and as to repair, should the product prove to be defective or non-conforming, is on the retail purchaser, the buyer, the ultimate consumer of such product and it is not upon the seller, distributor, or manufacturer.

In this connection, retail purchaser, the buyer, the ultimate consumer assumes the burden of the entire cost of any and all necessary service, alterations, and or repair.

The foregoing statement limits the liability of the manufacturer.

1022090 Instructions: **NOTE: DO NOT TIGHTEN ANY CLAMPS UNTIL THE LAST STEP!!**

- 1) Disconnect the battery. Support the vehicle in a safe manner if you will be lifting, using a shop hoist or frame contact jack stands on a level surface. The drivers side muffler is flanged, start by unbolting that two bolt flange, spraying the nuts with some penetrating oil helps for removal, leave the muffler in place at this time. Now locate all the rubber hangers, it helps to spray some penetrating oil on the hanger where the rubber contacts the hook. Use a pry bar to remove the rubber from the wire hook leaving the rubber hangers on the vehicle, these get reused so use caution not to damage them and make sure the exhaust is supported, it is heavy and it is only held under the vehicle by these rubber hangers and the front flanges. Now remove the exhaust at the flanges after the catalytic converter, if you have trouble getting the exhaust out as an assembly you may need to cut the pipe going to the muffler, if you do this the exhaust will come out leaving only the mufflers up in the vehicle. Now you can remove the mufflers from the rubber hangers and out from under the vehicle.
- 2) Install the driver and passenger side sections of the h-pipe to the original flanged fittings. You will need to reuse the original springs. You will need to pry the original nut out of the springs to reuse it. We include 8) washers, two for each shoulder bolt. One goes under the head of the bolt and the other goes on the end of the reused factory spring before you install the nut. The h-pipe with the slotted ID portion is the driver side. Connect the h-pipe using the included hardware & reusing the factory springs. The springs apply tension so start one assembly, it's easiest and we recommend starting with the top one, rock the flange to aid in installation of the shoulder bolt, spring, washer and nut assemblies. Start a nut on a few threads then rock the flange back and it will help aid greatly in the installation to use a c style clamp vise grip to clamp both flanges together so you can get the other side started. Repeat this for the other pipe as well. Use an accusal clamp to connect the two portions of the h-pipe together. Insert the wire portions of the hangers that are welded onto the h-pipe portions to the o.e. rubber hanger mounts on the car. Now go back and tighten up the spring bolt assemblies tighten the nut all the way to the shoulder on the bolt. The head of the shoulder bolt feeds from the h-pipe side, the springs are in front of the o.e. flanges.
- 3) Install the 2-1/2" i.d. end of the driver and passenger side front pipes to the h-pipe using the included 2-1/2" accusal clamps. Tighten the assembly slightly, but do not over tighten at this time. To distinguish between the two front pipes, see picture below, looking from the rear of these tubes, laying them the same direction as pictured, the one on the left in the picture where the outlet is not flat on the ground is the driver side (the outlet is rotated up in the picture), the one with the outlet flat on the ground is the passenger side on the right (the outlet is rotated down in the picture).
- 4) Install the driver and passenger side mufflers to the front pipes installed in step 3). Looking at the mufflers from the outlet end with the tips, the long side of the angle cut up, the passenger side muffler has the inlet on the left, the driver side muffler has the inlet on the right. Use the 2-1/2" hanger clamps to attach the inlet of the mufflers to the front pipes. See pictures below for the hanger clamps, when the weld on the hanger clamp is facing down and the saddle is towards you, the one with the hook going to the left is the driver side, the one with the hook to the right is the passenger side.
- 5) Attach the wire hangers on the hanger clamps to the o.e. rubber hanger mounts along side the muffler inlets.
- 6) Install the strap hangers to the mufflers using the included hardware. Attach the wire portion of the hangers to the o.e. rubber hanger mounts along side the rear of the mufflers.
- 7) Check for clearance of the frame, body, suspension members, and of all brake and fuel lines. When you are satisfied with how the system hangs, tighten all clamps to approximately 65 ft./lbs. Reconnect the battery.