

Installation Instructions for 555-30450 Power Tone Cat Back 2-1/4" Exhaust System w/Glasspack Muffler Tips

Application: 1988-'93 full-size GM 1/2 & 3/4 ton pickup, 2WD & 4WD, all wheel bases, w/350 c.i. motor only.

NOTE: For vehicles only with 3" exhaust at the converter.

Kit Includes:

- | | | |
|---------------------------|--------------------------------------|----------------------------|
| 6) 5/16" nuts | 2) BR1 (BR755) metal hanger brackets | 2) 5/16" x 1-1/2" bolts |
| 6) fender washers | 2) BR2000 (BR202) metal hangers | 2) snapper grommets |
| 6) 5/16" lock washers | 2) THU400 (BR104) rubber hangers | 3) 3" clamps |
| 4) 2-1/4" clamps | 2) LB9 metal hangers | 4) 5/16" x 1" bolts |
| 2) muffler tips—stainless | 1) right tail pipe | 1) 3" front extension pipe |
| 1) y-pipe | 1) left tail pipe | |

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. We recommend the use of a shop hoist if possible. Please use caution!

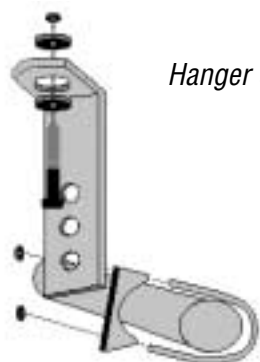
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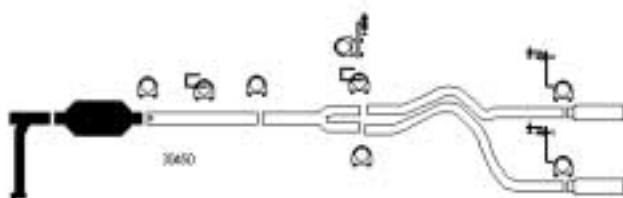
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Hanger consists of a strap hanger, grommets, hardware, and clamp (see illustration)



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NOTE: Do not tighten any clamps or nuts and bolts until the last step! Before cutting any pipes it is a good idea to lay out all the included pipes along side the vehicle and get a good idea of how the pipes will hang on the vehicle. Please read the instructions fully and thoroughly before you begin.

1. Remove the old exhaust system, leaving only the y-pipe and the converter on the truck. Those with the 117" wheel base will NOT use the 3" straight pipe included in this kit. If you have a 117" wheel base, go to step 3).
2. The 3" x 40" straight pipe fits GM trucks with the 155" wheel base (extended cab long box). If you have the extended cab with the short box (141" wheel base), you will need to cut 14" off from the 3" o.d. (non-swaged) end of the included extension pipe.

For those with the standard cab long box (133" wheel base), you will need to cut 24" off from the o.d. end of the included extension pipe.

Now slip the i.d. end of the 3" extension pipe over the end of the catalytic converter and install using a 3" clamp.

3. Install the y-pipe to the 3" extension pipe (the leg with the bend goes to the passenger side), using a 3" clamp to connect the two pieces. Locate the original hanger mount located above the pipe you have just installed. Slide in a U-type hanger bracket (BR2000), and use a 3" clamp to hang the pipe on the newly installed bracket. Locate the original bracket that had hung in front of the tail pipes. Slip in the other U-type hanger, and use a 2-1/4" clamp to connect the right rear side of the y-pipe to the bracket. NOTE: for newer pickups with rod-type hangers it will be necessary to use the alternate hanger assemblies (LB9 metal hanger, snapper grommet, 5/16" x 1-1/2" bolt, nut, lock washer, fender washer)--see illustration.
4. Install the right tail pipe (it has 5 bends) making sure that you have at least 1/2" of clearance from the shock. Locate the hole behind the original tail pipe hanger (if one is not present, you will need to drill a hole), and using a fender washer, 5/16" x 1" bolt, nut, and lock washer, mount one of the L-brackets (Br1) to the frame. Next, install a THU400 rubber hanger to the BR1 bracket using a 5/16" x 1" bolt, nut, lock washer, and fender washer. The hanger can be adjusted up or down for clearance. NOTE: you may want to trim the left (and later the right) tail pipe to your desired length.
5. Install the muffler tip onto the right tail pipe. Use a 2-1/4" clamp to secure the tip to the tail pipe and hanger just installed.
6. Install the left tail pipe (4 bends), making sure that you have clearance between the rear brake line (bend bracket to the front if necessary), shock, and spare tire. You should end up with a 1/2" of clearance from the shock and the tire. Again, you may want to trim the pipe to length.
7. Locate the mounting hole (or drill if one is not present) directly above the rear of the left tail pipe and mount the hanger as in step 4).
8. Mount the other muffler tip to the left tail pipe using a 2-1/4" clamp. Secure the tip to the tail pipe and the hanger as done in step 5).
9. Tighten all clamps, nuts, and bolts. Check for leaks and for clearance of all brake and fuel lines, and for clearance of all chassis and frame components. We recommend tack welding the joints (not necessary though).



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Installation Instructions for 555-30460 Power Tone Cat Back 2-1/4" Exhaust System w/Glasspack Muffler Tips

Application: 1980-'96 full-size Ford 1/2 & 3/4 ton pickup, 2WD & 4WD, all wheel bases, F150 w/6 cyl. & V8, F250 except for 460 c.i. and 351 c.i. w/ 2-1/2" exhaust at the converter.

NOTE: For vehicles only with 2-1/4" exhaust at the converter.

Kit Includes:

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|---------------------------|-------------------------|--------------------------------|
| 3) 5/16" nuts | 3) 5/16" x 1-1/2" bolts | 3) fender washers |
| 3) snapper grommets | 3) 5/16" lock washers | 7) 2-1/4" clamps |
| 3) LB9 metal hangers | 1) right tail pipe | 1) 2-1/4" front extension pipe |
| 2) muffler tips—stainless | 1) left tail pipe | 1) y-pipe |

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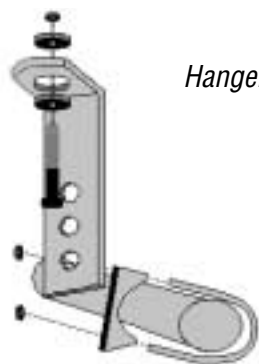
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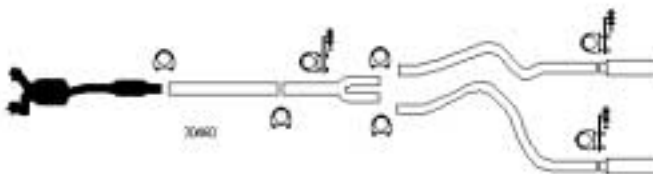
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Hanger consists of a strap hanger, grommets, hardware, and clamp (see illustration)



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NOTE: Do not tighten any clamps or nuts and bolts until the last step! Before cutting any pipes it is a good idea to lay out all the included pipes along side the vehicle and get a good idea of how the pipes will hang on the vehicle. Please read the instructions fully and thoroughly before you begin.

1. Remove the old exhaust system, leaving only the y-pipe and the converter on the truck. Those with the 117" wheel base will NOT use the 2-1/4" straight pipe included in this kit. If your truck is a 117" wheel base, go to step 3).
2. Install the extension pipe to the converter. For vehicles with 138" and 133" wheel bases, the 2-1/4" x 40" extension pipe will need to be cut to fit. Cut the o.d. end (the end that is not swedged)--see sizing table below. Install the i.d. (swedged) end to the catalytic converter.

155" wb: 2-1/4" x 40" no cutting required

138" wb: 2-1/4" x 23-1/4"

133" wb: 2-1/4" x 18-1/4"

117" wb: extension pipe not required

3. Install the y-pipe to the 2-1/4" extension pipe, using a 2-1/4" clamp to connect the two pieces. Make sure that the y-pipe is mounted parallel to the ground. Locate the hole in the frame (or drill one if no hole is present) directly above the end of the y-pipe and install an LB9 hanger bracket to the frame using a snapper grommet, 5/16" x 1-1/2" bolt, nut, lock washer, and fender washer. Use a 2-1/4" clamp to connect the y-pipe and the hanger assembly (see illustration for the hanger assembly).
4. Install the right tail pipe (it has 5 bends) making sure that you have at least 1/2" of clearance from the shock. Locate the hole behind the original tail pipe hanger (if one is not present, you will need to drill a hole) and near the end of the tail pipe, and using a fender washer, 5/16" x 1-1/2" bolt, nut, and lock washer, mount one of the LB9 brackets to the frame. The hanger can be adjusted up or down for clearance. Use a 2-1/4" clamp to connect the right tail pipe and the hanger, but do not tighten at this time. NOTE: you may want to trim the right (and later the left) tail pipe to your desired length.
5. Mark where you want to cut the right tail pipe by holding up a tip next to the tail pipe. Trim the tail pipe to length. Install the muffler tip onto the right tail pipe. Use a 2-1/4" clamp to secure the tip to the tail pipe and hanger just installed.
6. Install the left tail pipe (5 bends) to the y-pipe using a 2-1/4" clamp, making sure that you have clearance between the rear brake line (bend bracket to the front if necessary), shock, and spare tire. You should end up with a 1/2" of clearance from the shock and the tire. Again, you may want to trim the pipe to length. NOTE: the tail pipe crosses over the top and behind the rear differential.
7. Locate the mounting hole (or drill if one is not present) directly above the rear of the left tail pipe and mount the hanger as in step 4) for the left tail pipe.
8. Repeat step 5) for the left tail pipe.
9. Tighten all clamps, nuts, and bolts. Check for leaks and for clearance of all brake and fuel lines, and for clearance of all chassis and frame components. We recommend tack welding the joints (not necessary though).



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Installation Instructions for 555-30461 Power Tone Cat Back 2-1/4" Exhaust System w/Glasspack Muffler Tips

Application: 1999-'04 full-size Ford 1/2 & 3/4 ton pickup, 2WD & 4WD, all wheel bases, w/ V6 & V8, except for Super Duty models and Lightning.

NOTE: For vehicles only with 2-1/2" exhaust at the converter.

Kit Includes:

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|----------------------------|-----------------------------------|--------------------------|
| 2) 5/16" nuts | 2) 5/16" x 1" bolts | 2) fender washers |
| 2 5/16" lock washers | 4) 2-1/4" clamps | 2) 2-1/2" clamp |
| 2) BR91930 swinger hangers | 1) dual clamp y-pipe hanger #2940 | 1) 2-1/2" extension pipe |
| 2) muffler tips—stainless | 1) right tail pipe | |
| 1) y-pipe | 1) left tail pipe | |

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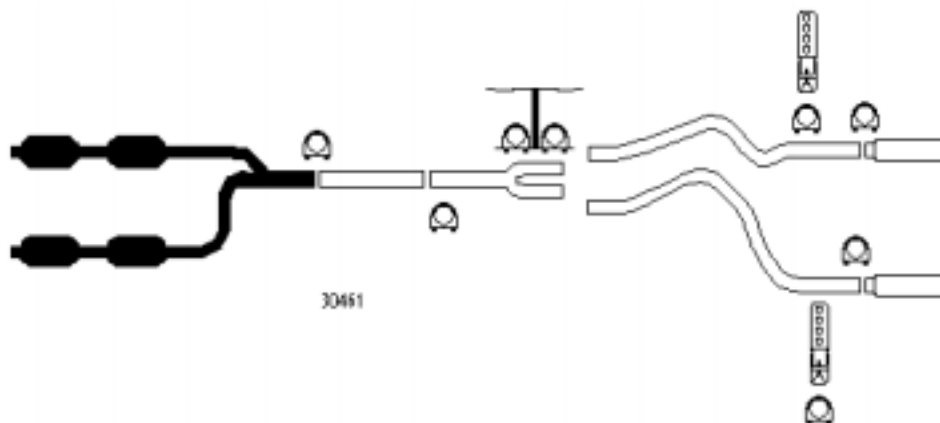
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- 1.** Remove the old exhaust system at the inlet of the muffler, leaving only the y-pipe, converters, and the extension pipe on the truck. NOTE: an extension pipe and 2-1/2" clamp have been included to replace the original extension pipe on longer wheel base vehicles. If necessary, this extension pipe will need to be cut to fit these models before installing it. You will want to figure out how much to cut off by checking the system as to your preference as to how it hangs. Do not trim the extension pipe until you are satisfied that you have the proper measurements.
- 2.** If necessary, install the extension pipe to the y-pipe after the converters. Install the y-pipe to the extension pipe, using a 2-1/2" clamp to connect the two pieces. Make sure that the y-pipe is mounted parallel to the ground.
- 3.** Install the dual clamp y-pipe hanger on the back of the y-pipe. The mounting bracket slips into the existing hanger mounts above the rear of the y-pipe.
- 4.** Install the right tail pipe (it has 5 bends) making sure that you have at least 1/2" of clearance from the shock. Locate the hole behind the original tail pipe hanger (if one is not present, you will need to drill a hole) and near the end of the tail pipe, and using a fender washer, 5/16" x 1" bolt, nut, and lock washer, mount one of the BR91930 swinger hanger to the frame. The hanger can be adjusted up or down for clearance. Use a 2-1/4" clamp to connect the right tail pipe and the hanger, but do not tighten at this time. NOTE: you may want to trim the right (and later the left) tail pipe to your desired length.
- 5.** Mark where you want to cut the right tail pipe by holding up a tip next to the tail pipe. Trim the tail pipe to length. Install the muffler tip onto the right tail pipe. Use a 2-1/4" clamp to secure the tip to the tail pipe and hanger just installed.
- 6.** Install the left tail pipe (5 bends) to the y-pipe using a 2-1/4" clamp, making sure that you have clearance between the rear brake line (bend bracket to the front if necessary), shock, and spare tire. You should end up with a 1/2" of clearance from the shock and the tire. Again, you may want to trim the pipe to length. NOTE: the tail pipe crosses over the top and behind the rear differential.
- 7.** Locate the mounting hole (or drill if one is not present) directly above the rear of the left tail pipe and mount the hanger as in step 3) for the left tail pipe.
- 8.** Repeat step 4) for the left tail pipe.
- 9.** Tighten all clamps, nuts, and bolts. Check for leaks and for clearance of all brake and fuel lines, and for clearance of all chassis and frame components. We recommend tack welding the joints (not necessary though).



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Installation Instructions for 555-30465 Power Tone Cat Back 2-1/4" Exhaust System w/Glasspack Muffler Tips

Application: 1994-2001 full-size Dodge 1/2 & 3/4 ton pickup, 2WD & 4WD, all wheel bases, w/ V6 & V8.

NOTE: For vehicles only with 2-1/2" exhaust at the converter.

Kit Includes:

- | | | |
|-----------------------------|------------------------------|--------------------------------|
| 1) 5/16" nut | 1) 5/16" x 1" bolt | 1) fender washer |
| 1) 5/16" lock washers | 8) 2-1/4" clamps | 2) 2-1/2" clamps |
| 1) BR1930 swinger hanger | 1) short welded hanger #2941 | 1) medium welded hanger #2942 |
| 1) long welded hanger #2943 | 2) muffler tips–stainless | 1) right tail pipe |
| 1) y-pipe | 1) left tail pipe | 1) 2-1/2" ID/OD extension pipe |

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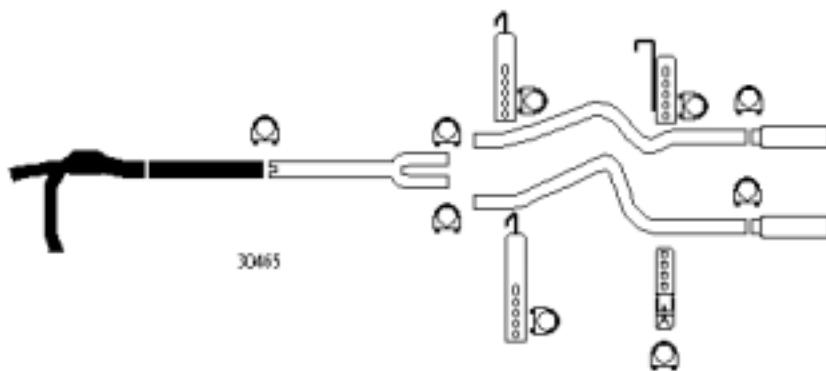
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- 1.** Remove the old exhaust system at the inlet of the muffler, leaving only the y-pipe, converters, and the extension pipe on the truck. A 2-1/2" ID/OD extension pipe and extra 2-1/2" clamp have been included to replace the original stainless steel extension pipe if you so desire.
- 2.** If necessary, cut off or trim back the right rear vehicle hold bracket to make room for the right tail pipe.
- 3.** Install the y-pipe to the extension pipe, using a 2-1/2" clamp to connect the two pieces. Make sure that the y-pipe is mounted parallel to the ground.
- 4.** Install the right tail pipe (it has 4 bends) making sure that you have at least 1/2" of clearance from the shock. Install the medium welded hanger using a 2-1/4" clamp in the existing o.e. rubber hanger mount at the front, and install the short welded hanger using a 2-1/4" clamp in the existing o.e. rubber hanger mount at the rear. NOTE: you may want to trim the right (and later the left) tail pipe to your desired length.
- 5.** Mark where you want to cut the right tail pipe by holding up a tip next to the tail pipe. Trim the tail pipe to length. Install the muffler tip onto the right tail pipe. Use a 2-1/4" clamp to secure the tip to the tail pipe and hanger just installed.
- 6.** Install the left tail pipe (3 bends) to the y-pipe using a 2-1/4" clamp, making sure that you have clearance between the rear brake line (bend bracket to the front if necessary), shock, and spare tire (it is routed between the shock and the frame). You should end up with a 1/2" of clearance from the shock and the tire. Again, you may want to trim the pipe to length. Install the long welded hanger using a 2-1/4" clamp to the front of the left tail pipe into the o.e. rubber hanger mount. Locate or drill a hole in the frame above the rear end of the left tail pipe and using a 5/16" x 1" bolt, nut, lock washer, and fender washer, mount the BR91930 to the frame. Clamp the BR91930 hanger to the left tail pipe using a 2-1/4" clamp. NOTE: the tail pipe crosses over the top and behind the rear differential.
- 7.** Repeat step 5) for the left tail pipe.
- 8.** Tighten all clamps, nuts, and bolts. Check for leaks and for clearance of all brake and fuel lines, and for clearance of all chassis and frame components. We recommend tack welding the joints (not necessary though).



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