



M-5220-MSVT GT500 with Quad Side Exhaust INSTALLATION INSTRUCTIONS

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**!!! PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION.
AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD RACING
TECHLINE AT 1-800-367-3788 !!!**

OVERVIEW:

THE USE OF A FLOOR HOIST IS RECOMMENDED FOR THIS INSTALLATION. IF YOU DO NOT HAVE ACCESS TO ONE, USE A HYDRAULIC FLOOR JACK AND JACK STANDS TO RAISE THE VEHICLE.

**!!! CAUTION: JACK STANDS MUST BE USED ON A LEVEL SURFACE AND BE SECURELY SEATED.
FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY OR VEHICLE DAMAGE !!!**

KIT INCLUDES:

<u>Item #</u>	<u>Qty:</u>	<u>Description</u>
CM-5426-WGT500	1	H-Pipe
CR33-5220-AG RH	1	Side exhaust pipe
CR33-5220-BG LH	1	Side exhaust pipe
CR3Z-5B266-A	2	Gasket, H-pipe to side pipe
W710341-S900	4	Nut, H-pipe to side ex. pipe
W714780-S439	4	Bolt, H-pipe to side ex. pipe
010405X	1	Heat Shroud

INSTALLATION INSTRUCTIONS:

STEP 1: Raise and support vehicle.

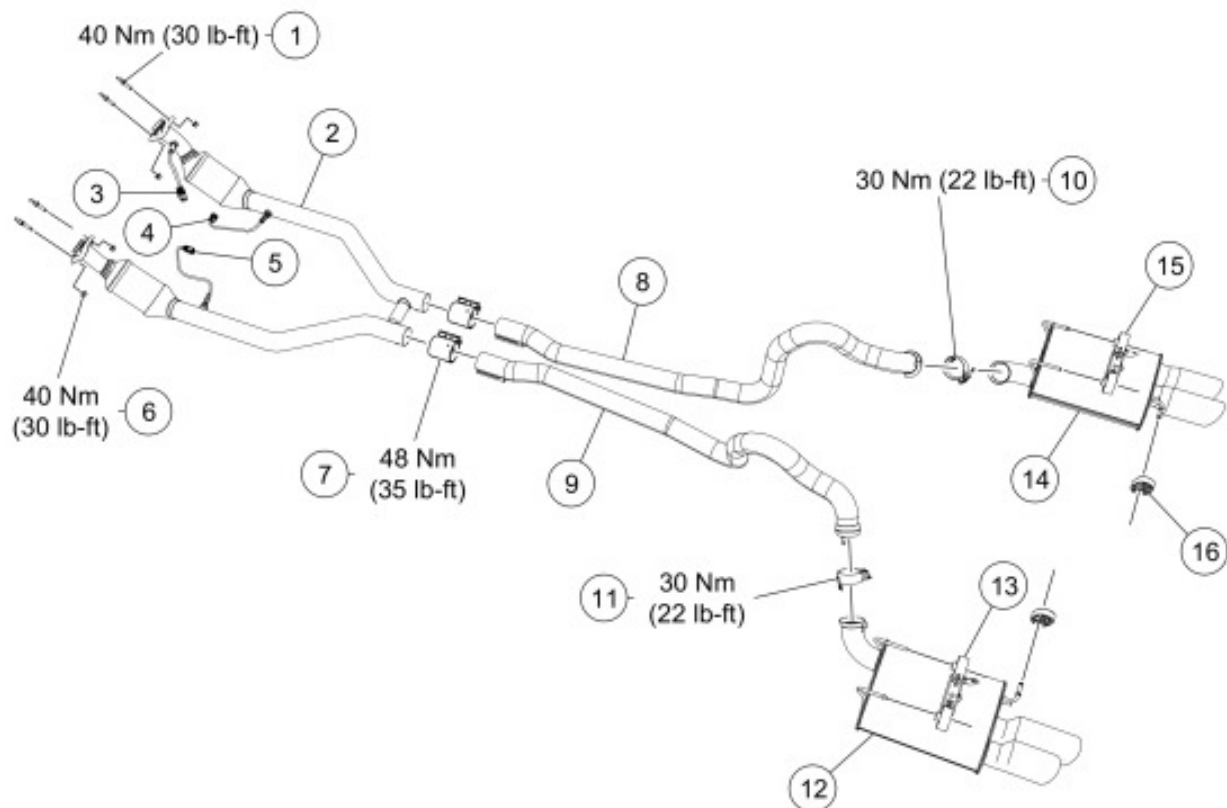
Factory Ford shop manuals are available from Helm Publications, 1-800-782-4356

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STEP 2: Spray penetrate on Exhaust coupler bolts. Loosen all Exhaust coupler bolts.
(Number 7 in figure below.)

5.8L



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Fig. 3



Fig. 4

STEP 3: Lift clamp tabs (See Fig. 3).

STEP 4: Slide both clamps toward rear of vehicle (See Fig. 4).



Fig. 5



Fig. 6

STEP 5: Hold up new H-pipe and align with rear of exhaust (See Fig. #5). Mark H-pipe end with tape (See Fig. #6).

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Fig. 7



Fig. 8



Fig. 9

STEP 6: Measure 1-1/2" from end of H-pipe tape mark and make tape cut line (See Fig. 7).

STEP 7: Cut both pipes at cut line (See Fig. 8).

STEP 8: Clean sharp edges and burrs with a file (See Fig. 9).



Fig. 11



Fig. 12

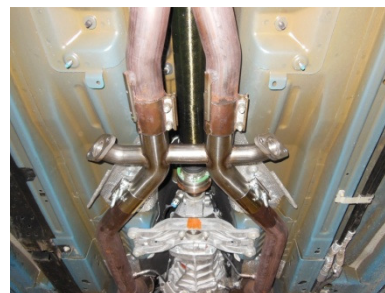


Fig. 13

STEP 9: Slide new clamps on exhaust small end first (See Fig. 11, 12 & 13).

STEP 10: Install new H-pipe in place (See Fig. 12 & 13).

STEP 11: Slide new clamps over front connection and the original rear clamps over pipe (See Fig. 12 & 13).

STEP 12: Tighten rear clamp bolts 54 Nm (40 lb-ft).

STEP 13: Tighten front clamp bolts 54 Nm (40 lb-ft). Remove LH and RH plastic shields in front of fuel tank from the underside of the vehicle.

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STEP 14: Add heat shroud tape to rear axle cooler lines, if vehicle is equipped (passenger side in front of rear tire). (See Fig. 14, 15 & 16)

NOTE: If necessary adjust rear axle cooler line bracket to clear side exhaust.



Fig. 14

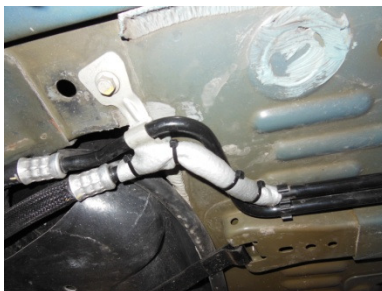


Fig. 15



Fig. 16

Step 15: Assure proper clearance between rear axle cooler lines and side exhaust. (See Fig. 17)



Fig. 17



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Side Pipe Installation:

STEP 16: **NOTICE:** Do not bend, twist or allow the exhaust side pipes to hang from the flexible bellows or damage to the exhaust side pipe may occur.

Tighten the LH and RH exhaust side pipe bolts. (#2 and #21)

- Insure that the LH and RH exhaust side pipe grommet assemblies are installed (#1 and #20)
- Tighten to 25 Nm (18 lb-ft).

STEP 17: **NOTE:** Install gaskets in the correct position (See exploded view).

NOTE: When tightening the side pipe-to-exhaust H-pipe nuts, rotate the side pipe assembly so the pipe after the Torca® clamp has a clearance of 10 mm (0.393 in) to 19 mm (0.748 in) to the flat surface of the floor pan.

Install gaskets, nuts and the LH and RH exhaust side pipes.

- Align the exhaust side pipes and tighten the exhaust side pipe-to-exhaust H-pipe nuts to 40 Nm (30 lb-ft).

STEP 18: **NOTE:** When tightening the Torca® clamp, make sure the flat section of the side pipes has a clearance of 14 mm (0.551 in) to 23 mm (0.905 in) to the floor pan.

Tighten the exhaust side pipe Torca® clamps.

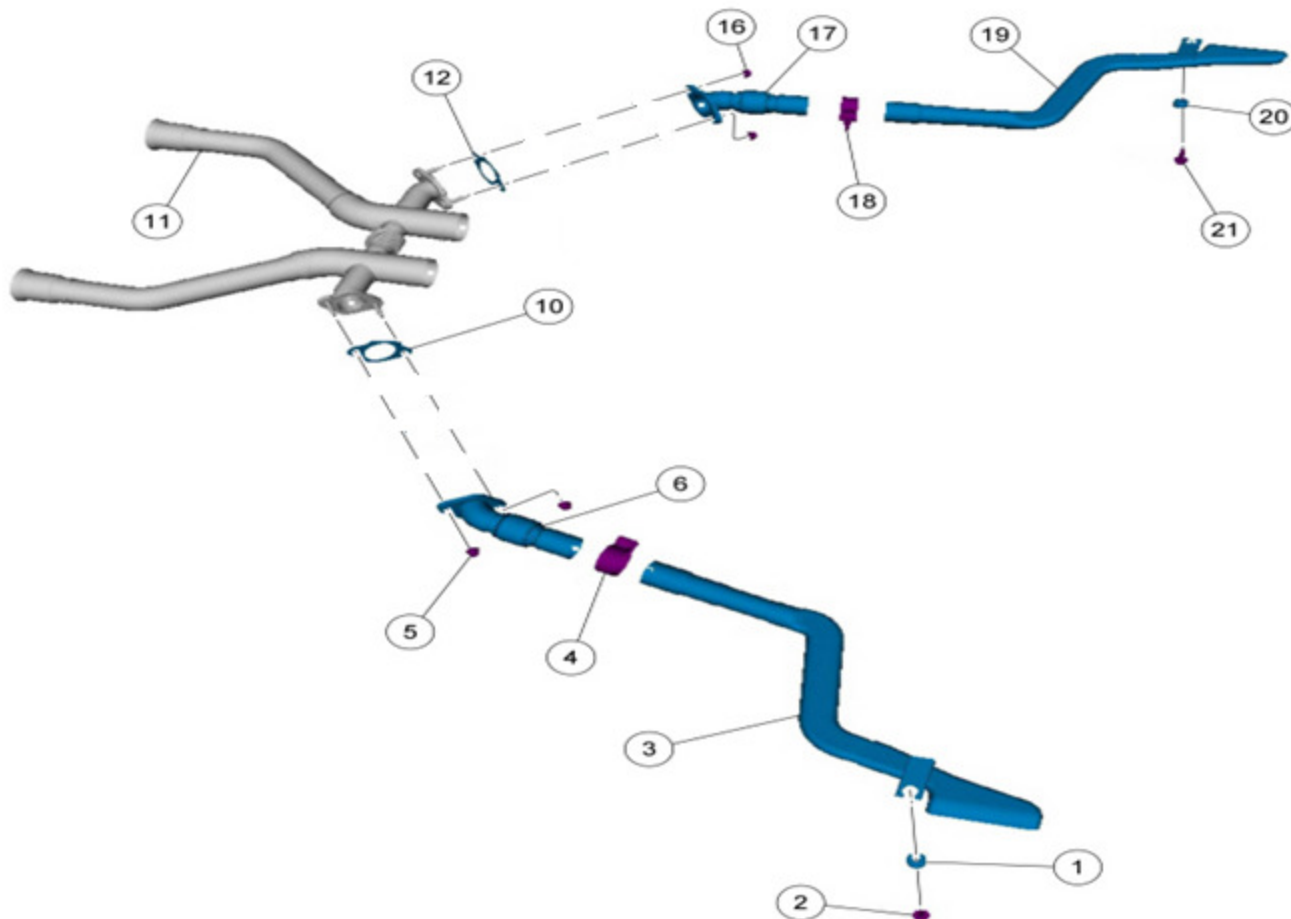
- Tighten to 48 Nm (35 lb-ft).

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Side Exhaust Kit





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<u>Item</u>	<u>Description</u>
1	LH exhaust side pipe grommet assembly
2	LH exhaust side pipe bolt - 25 Nm (18 lb-ft)
3	LH exhaust side pipe
4	LH exhaust side pipe Torca® clamp - 48 Nm (35 lb-ft)
5	LH exhaust side pipe-to-exhaust H-pipe nut (2 required) - 40 Nm (30 lb-ft)
6	LH exhaust side pipe flange
10	Gasket
11	Exhaust H-Pipe
12	Gasket
16	RH exhaust side pipe-to-exhaust H-pipe nut (2 required) - 40 Nm (30 lb-ft)
17	RH exhaust side pipe flange
18	RH exhaust side pipe Torca® clamp - 48 Nm (35 lb-ft)
19	RH exhaust side pipe
20	RH exhaust side pipe grommet assembly
21	RH exhaust side pipe bolt - 25 Nm (18 lb-ft)

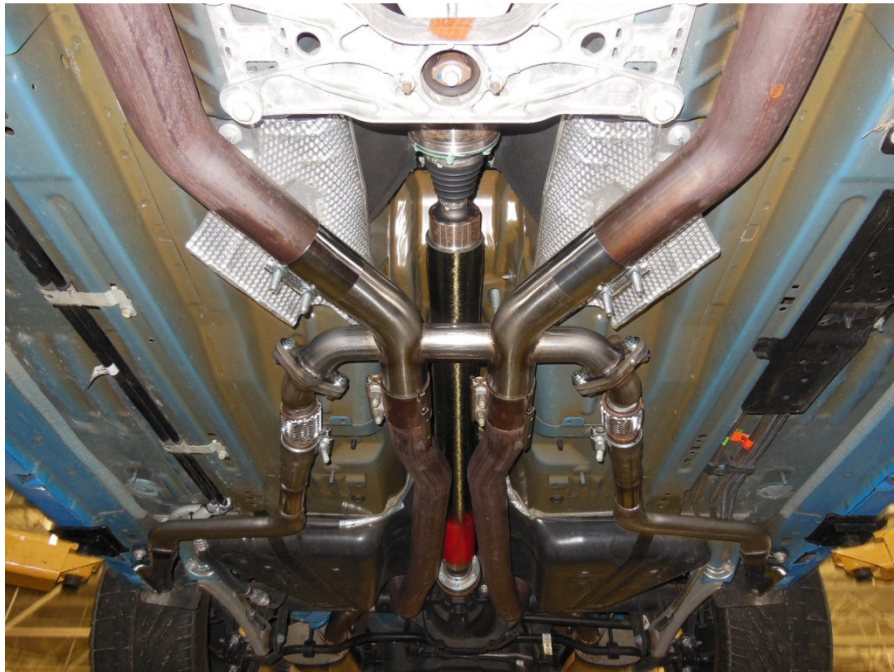
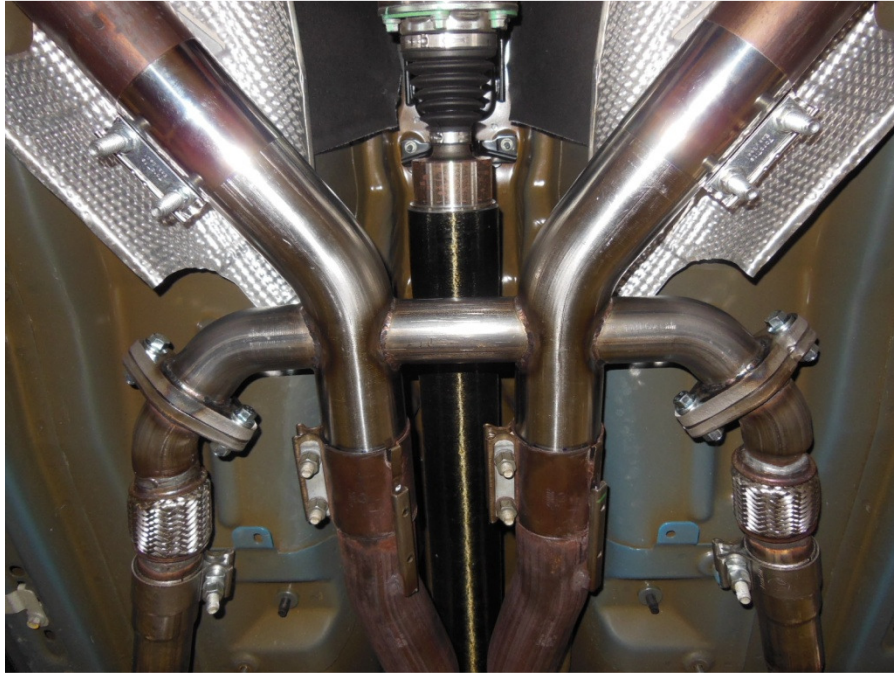
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Completed Installation of the GT500 Quad Exhaust System



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