PatchBox Mounting Considerations

Recommendations
and Observed Best Practices
for Safely Installing Your PatchBox Unit

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Ratchet Binders Preferred w/Mounting Anchors Located on Truck Bed

Ensure Opposing Forces

Not Preferred

- This arrangement puts a bending load on lifting brackets
- Prefer shorter chains/ratchet binders

Definitely Not!

- NEVER run mounting straps OVER side boards
- Always have a downward force pulling PatchBox into truck bed

Belt & Suspenders Preferred

Removable metal plate used as a redundant stop

Permanent corner plates

Safety First!

- Fully lift unit before first use and frequently between jobs

- *PatchBox unit should not move at all*

- Ensure that flex tube takes the movement rather than truck's exhaust system
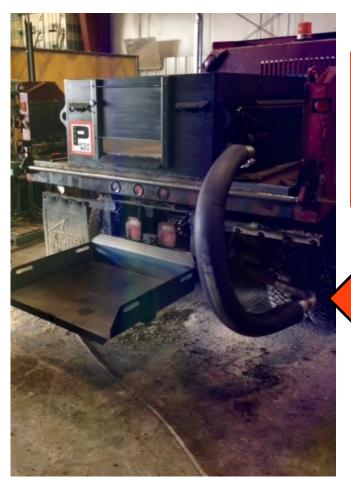
Keeping Flex Tube Close to Truck

Consider 90º elbow at tail pipe to turn exhaust immediately (available from PatchBox or most exhaust shops)

Consider sleeve to guide flex tube
(2" thickness preferred to distribute load)

Optimized Flex Tube Routing

Flex tube can be cut to length. See link below for cutting instructions:
http://www.truckcomponentsonline.com/Installation-Instructions-For-Flex-Pipe_df_58.html

90º elbow at tail pipe

"Y" Exhaust Pipes

- Clean diesels (2008 and later) often use a "Y" exhaust pipe.

- To maximize heat dissipation, especially during a regeneration, we recommend that customers plumb the flex pipe to only one branch of the "Y". We recommend the longer branch so that the air holes are not interfered with.

Avoid Flex Tube Wear

- Ensure flex tube doesn't contact side boards

- Recommend using short length of drainage tile as protective sleeve if contact can't be avoided

Exhaust Port

- A stand pipe can be added to the exhaust port to elevate the exhaust exit point above the PatchBox unit & truck side boards

- If used, match the pipe diameter to the tailpipe diameter

- Exhaust weather caps are not recommended due to increased back pressure

Happy (and SAFE!) Patching