

**Q-253**



## SVE BULLETIN

### SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

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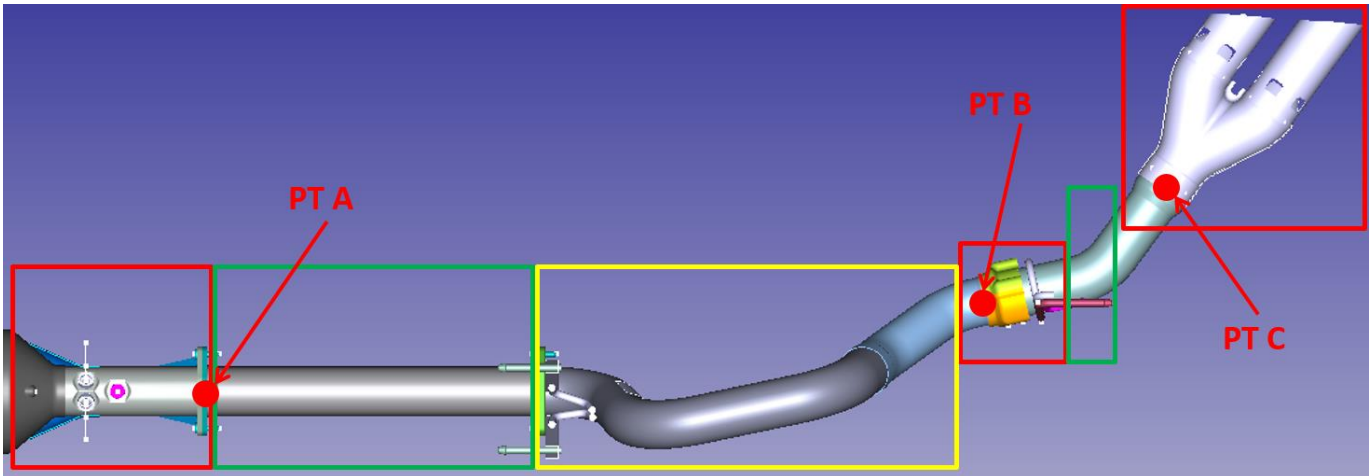
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## 2017 MY F-Series Super Duty 6.7L Exhaust System Modifications

**Models Affected:** 2017 MY to present F-Series Super Duty Pickup (F-250/350/450) and Chassis Cab with 6.7L diesel engine.

**Description:** Modifications to the exhaust system, when required to accommodate service body installations, may be made as shown:



**RED:** Areas that CANNOT be modified due to durability or functional requirements.

**YELLOW:** Areas that are NOT RECOMMENDED for modification due to critical clearances to rear axle motion envelope.

**GREEN:** Areas that are allowed to be modified.

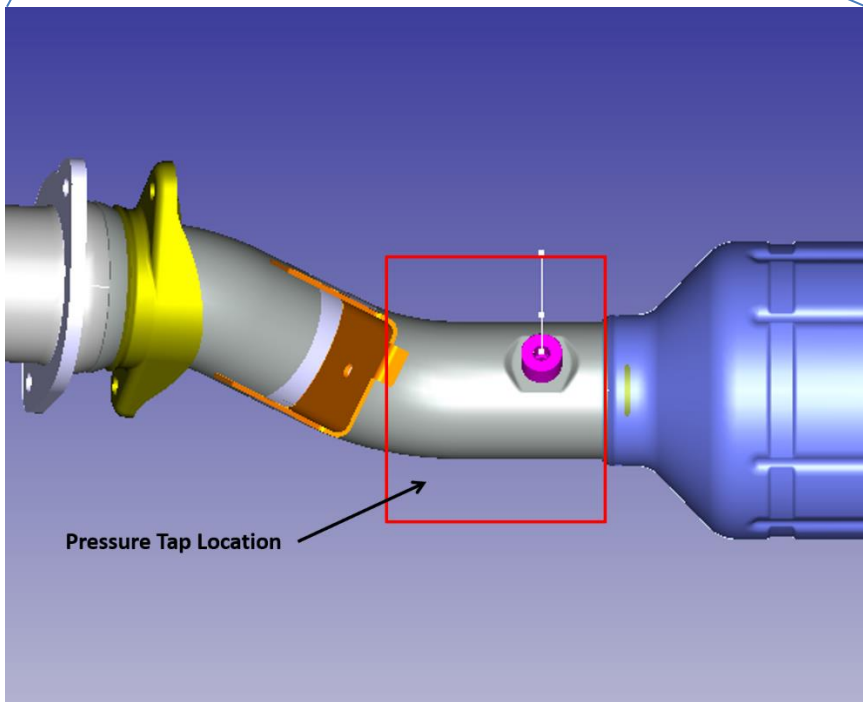
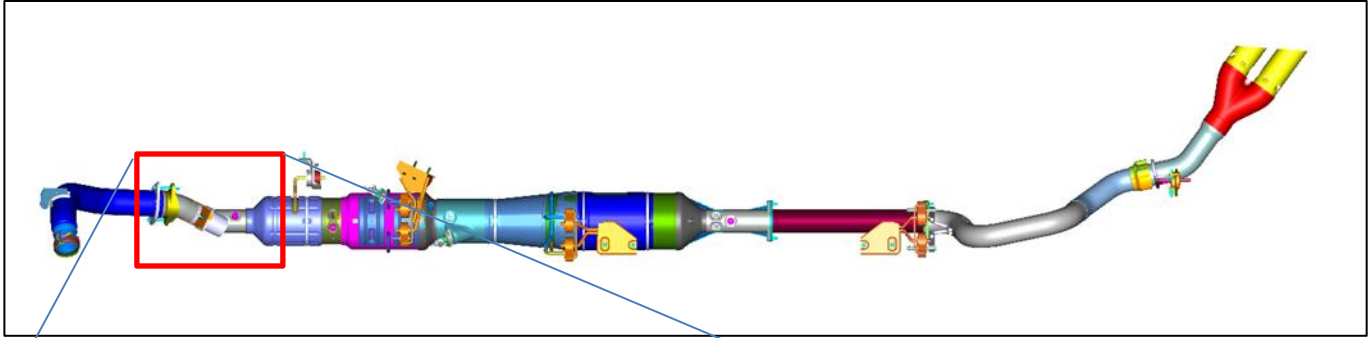
**PT A - PT B:** Any modifications between Pts A – B must not shorten the centerline length between the two points to a length less than that of the shortest wheelbase. MIN Centerline Length = 1160 mm for reference.

**PT B – PT C:** Any modifications between Pts B – C must not shorten the centerline length between the two points and should be made using pipe diameter equivalent to the OEM assembly. MIN Centerline Length = 400 mm for reference.

#### Additional information:

- Dual tip diffuser cannot be removed or altered.
- Modifications must not change system restriction or alter the performance of the dual tip diffuser (see following performance assessment recommendations).
- Appropriate heat shielding must be utilized if required.

**Performance Assessment Recommendations:**



- Install a temporary pressure tap and suitable pressure measuring device upstream of the diesel oxidation catalyst
- Load vehicle and trailer to GVWR and operate the unit at WOT on a suitable grade.
- Record peak pressure reading.
- Repeat test following installation of aftermarket hardware to confirm equivalent pressure reading.
- Modify aftermarket hardware as required to achieve equivalent pressure readings.
- Modifications must not change backpressure (increase or decrease).