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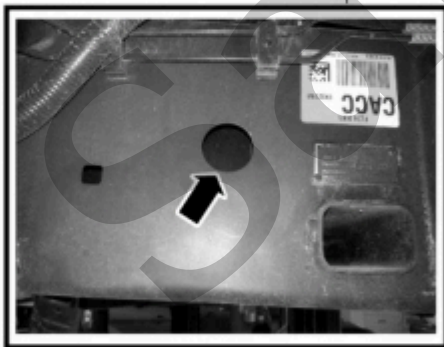
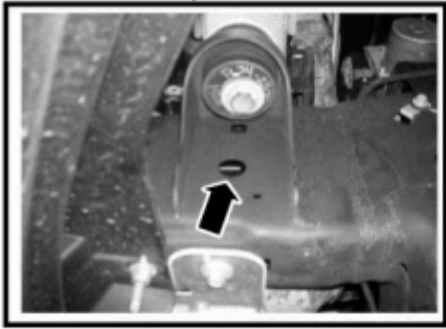
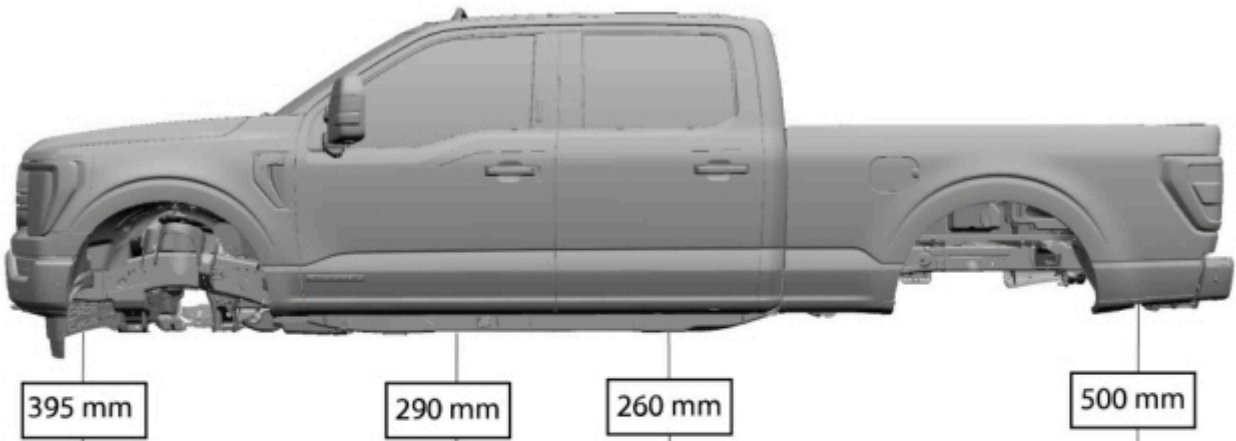
2005 FORD Crown Victoria OEM Service and Repair Workshop Manual

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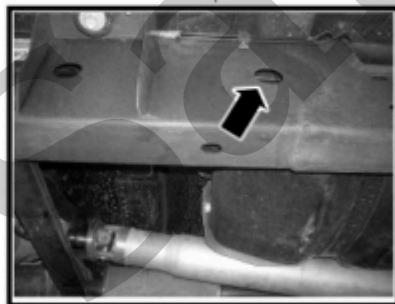
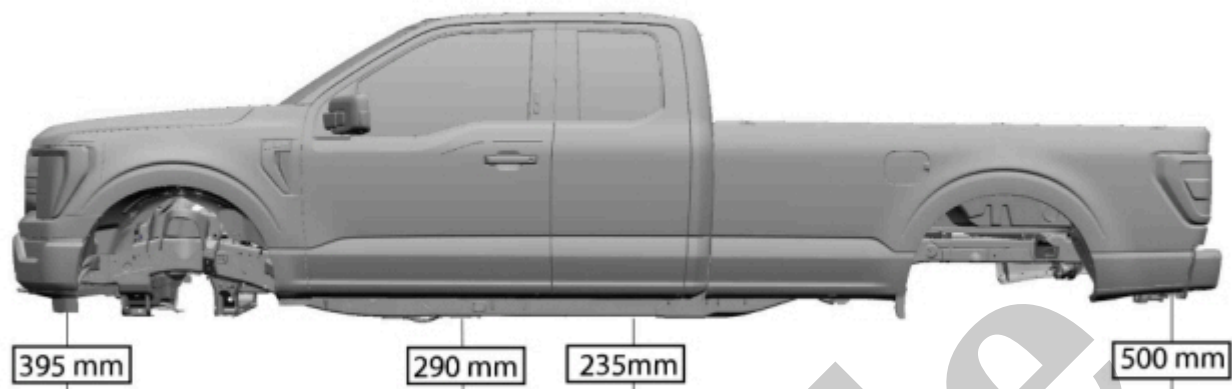
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157 Inch Wheelbase - SuperCrew Underbody



E331334

163 Inch Wheelbase - SuperCab Underbody



E331335

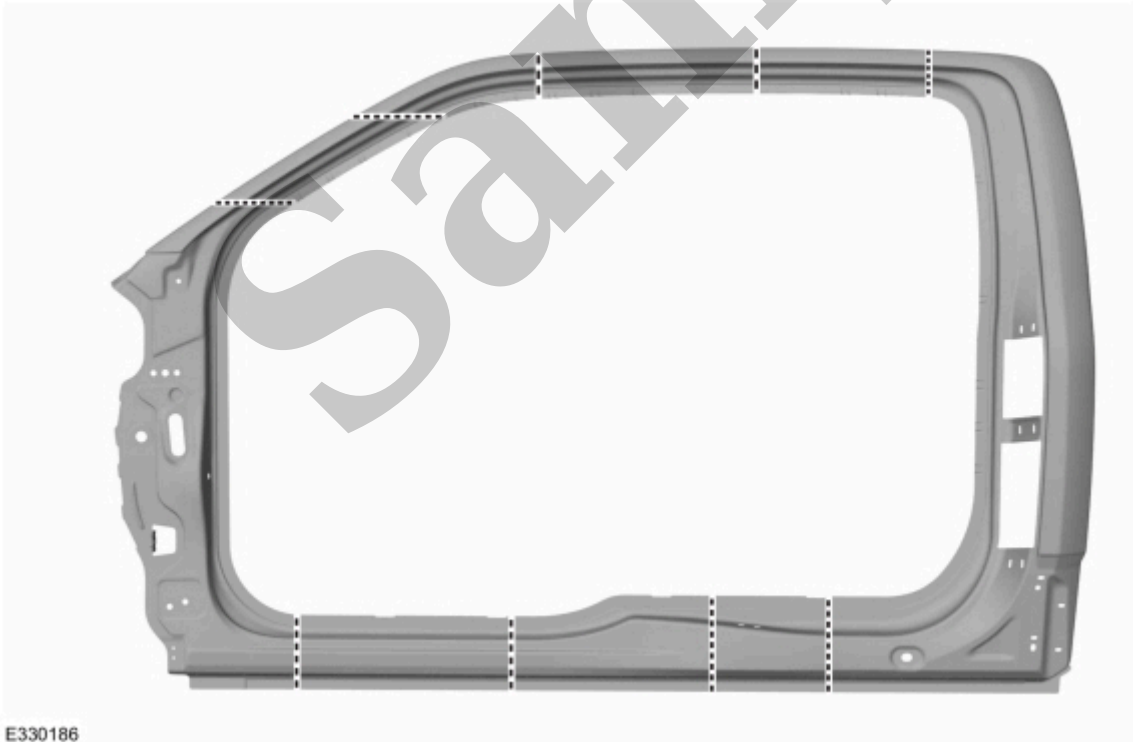
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E330185

[Click here to learn about symbols, color coding, and icons used in this manual.](#)

2. SuperCab



E330186

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3. SuperCrew Cab

During assembly, use a SPR (self-piercing rivet) where possible. This will produce a higher quality repair.

Where possible, create a lap-joint backer plate from an unused portion of the old or replacement panel. This will create a stronger joint.

Refer to: [Joining Techniques](#)(501-25 Body Repairs - General Information, General Procedures).

Use the General Equipment: Blind Rivet Gun

Use the General Equipment: MIG/MAG Welding Equipment

9. Rough finish all sectioning joints with a fibre-based body filler, final finish sectioning joints and plug welds with a conventional body filler.
10. Properly seal all joints to prevent moisture intrusion. Water and moisture migrate toward horizontal joints and corrosion tends to occur more rapidly in these areas.

Material : Seam Sealer / TA-2-B, 3M™ 08308, LORD Fusor® 803DTM

11. Proceed with the refinishing process using a Ford approved paint system and manufacturers recommendations.
12. Restore corrosion protection.

Refer to: [Corrosion Prevention](#)(501-25 Body Repairs - General Information, General Procedures).

13. Reinstall vehicle trim as necessary.

Body Sealer Types and Applications

Seam Sealer

- heavy-bodied, non-sag adhesive/sealer used on standing cosmetic seams, truck bed seams, tooled door skin seams and floorpans.
- can be used on water leaks and noise concerns.

Silicone Gasket and Sealant

- form-in-place gasket and multi-purpose adhesive/sealant.
- room temperature curing silicone rubber.

Silicone Spray Lubricant

- keeps the door and window weatherstrip pliable and soft.
- makes the door easier to close.
- retards weatherstrip squeaks.
- retards weatherstrip wear.
- helps retain door window alignment by reducing friction between the glass frame and the rubber weatherstrip.
- should not be used prior to painting.

Trim and Weatherstrip Adhesive

- quick drying, strong adhesive designed to hold weatherstripping onto all body panels and surrounding metal.

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Fit/Finish/Body > Noise > Wind > Always	GO to Pinpoint Test D
Fit/Finish/Body > Noise > Wind > Always	GO to Pinpoint Test H
Fit/Finish/Body > Noise > Wind > Always	GO to Pinpoint Test J
Lighting/Glass/Vision > Mirror > Side > Loose/Attachment	GO to Pinpoint Test H
Lighting/Glass/Vision > Mirror > Side > Loose/Attachment	GO to Pinpoint Test I

Symptom Chart(s)

Symptom Chart: Body System - General Information

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices.

REFER to: [Diagnostic Methods](#)

(100-00 General Information, Description and Operation).

Condition	Possible Sources	Actions
Draft/wind noise and water leak around door perimeter	Refer to the Pinpoint Test	GO to Pinpoint Test A
Draft/wind noise and water leak around glass run	Refer to the Pinpoint Test	GO to Pinpoint Test B
Draft/wind noise at inner belt line	Refer to the Pinpoint Test	GO to Pinpoint Test C
Draft/wind noise at outer belt line	Refer to the Pinpoint Test	GO to Pinpoint Test D.
Road noise and leaks at floor pan and grommets	Refer to the Pinpoint Test	GO to Pinpoint Test E
Rattles in body/doors and instrument panel	Refer to the Pinpoint Test	GO to Pinpoint Test F
Water collecting in doors	Refer to the Pinpoint Test	GO to Pinpoint Test G

Yes	Remove and reinstall the scuff plate correctly.
No	GO to A3

A3 CHECK SHEET METAL JOINTS

- Check sheet metal joints

Are sheet metal joints leaking?

Yes	Seal sheet metal joints with seam sealer.
No	GO to A4

A4 CHECK DOOR ALIGNMENT

- Check door alignment.

Are door aligned incorrectly?

Yes	<p>Refer door alignment procedure.</p> <p>REFER to: Front Door Alignment - Regular Cab/SuperCrew (501-03 Body Closures, General Procedures).</p> <p>REFER to: Rear Door Alignment - SuperCab (501-03 Body Closures, General Procedures).</p> <p>REFER to: Rear Door Alignment - SuperCrew (501-03 Body Closures, General Procedures).</p>
No	The system is operating correctly at this time. Inspect the vehicle for other symptoms.

PINPOINT TEST B : WATER LEAK AROUND GLASS RUN

Normal Operation and Fault Conditions

REFER to: [Body - Overview](#)(501-00 Body System - General Information, Description and Operation).

No

GO to [B4](#)

B4 CHECK FOR DAMAGED GLASS RUN

- Check whether the glass run is damaged.

Was any concern found?

Yes

Replace the glass run.

No

The system is operating correctly at this time. Inspect the vehicle for other symptoms.

PINPOINT TEST C : DRAFT/WIND NOISE AT INNER BELT LINE

Normal Operation and Fault Conditions

REFER to: [Body - Overview](#)(501-00 Body System - General Information, Description and Operation).

Possible Sources

- Inner belt line seal

C1 CHECK BELT LINE SEAL INSTALLATION

- Check belt line seal installation for the following
 - Incorrect installation
 - Contact with glass run
 - Contact with window glass

Was any concern found?

Yes

Adjust the belt line seal and the window glass. Install foam at seal ends if required.

No

GO to [C2](#)

C2 CHECK BELT LINE SEAL FOR DAMAGE

- Check condition of belt line seal.