

General Information

FLD Conventionals built up to December 2, 1998, and equipped with a 30-inch or 32-inch fan may have problems with the fan shroud interfering with the fan blades. In some cases, the interference is caused by an incorrect shroud adjustment that can be corrected by a simple readjustment. In other cases, the interference is due to the bottom of the shroud contacting either the top of the frame-rail extensions or the top corners of the frame rails. In these cases, the shroud cannot be correctly adjusted without first modifying either the shroud itself or the frame rails.

Procedure

1. Park the vehicle on a level surface and set the parking brakes. Chock the tires.
2. Disconnect the batteries at the negative terminals.
3. Tilt the hood.
4. Check the clearance between the fan shroud and the fan blades. The clearance should be at least 1/4-inch (6 mm) at the top and bottom of the shroud. If it isn't, try adjusting the shroud by loosening the four fasteners holding it in place.

If the clearance is still not correct, check for the cause of the interference. On vehicles equipped with engines of 500 horsepower or greater, check for contact between the shroud and the upper corners of the frame rails. On vehicles with smaller engines, check for contact between the shroud and the frame rail extensions.

5. If the shroud is contacting the frame-rail extension, go to the step for removing the lower corners of the fan shroud.

If the shroud is contacting the upper corners of the frame rails, go to the step for removing the upper corners of the frame rails.

6. Remove the lower corners of the fan shroud.
 - 6.1 Remove the four fasteners holding the shroud in place.
 - 6.2 Using either a cutting wheel or a die-grinder, remove the bottom corners of the fan shroud, as shown in [Fig. 1](#).
 - 6.3 Install the fan shroud, making sure that there is at least 1/4-inch (6 mm) clearance between the fan blades and the top and bottom of the shroud. Tighten the fasteners firmly.
7. Remove the upper corners of the frame rails.
 - 7.1 Remove the four fasteners holding the shroud in place.
 - 7.2 Move the shroud aside to expose the upper corner of one of the frame rails.
 - 7.3 Using either a die-grinder or a cutting wheel, remove the upper corner of the frame rail, as shown in [Fig. 2](#).
 - 7.4 Repeat the procedure for the other frame rail.
 - 7.5 Install the fan shroud, making sure that there is at least 1/4-inch (6 mm) clearance between the fan blades and the top and bottom of the fan shroud. Tighten the fasteners firmly.
8. Connect the batteries.
9. Lower the hood.
10. Remove the chocks from the tires.

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Fan Shroud Interference on FLD Vehicles

Freightliner
Service Bulletin

FLA COE
FLB COE
> FLD Conventional

Business Class
FLC 112 Conventional
Century Class Conventional

Argosy COE
Cargo

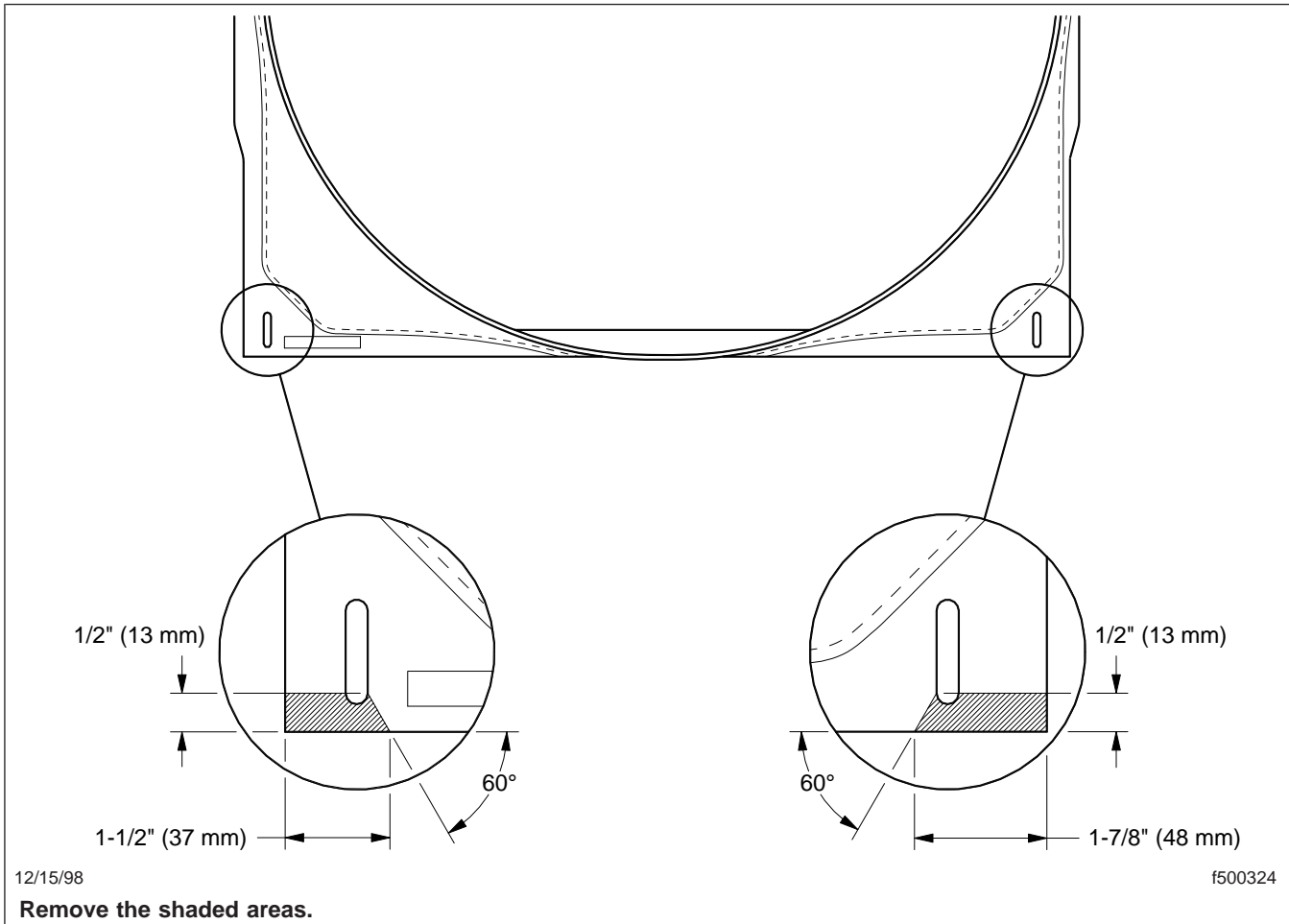


Fig. 1, Removing the Lower Corners of the Fan Shroud

Warranty

Normal warranty applies. When submitting claims, reference this service bulletin by number in the story of the claim. Use the damage code and time guide information in [Table 1](#).

Damage Code	Operation Number	Description	Time (hours)
273-003574647	272-5000A	Fan Shroud/Frame Modification	1.5

Table 1, Damage Code and Repair Time Information

FLA COE
FLB COE
> FLD Conventional

Business Class
FLC 112 Conventional
Century Class Conventional

Argosy COE
Cargo

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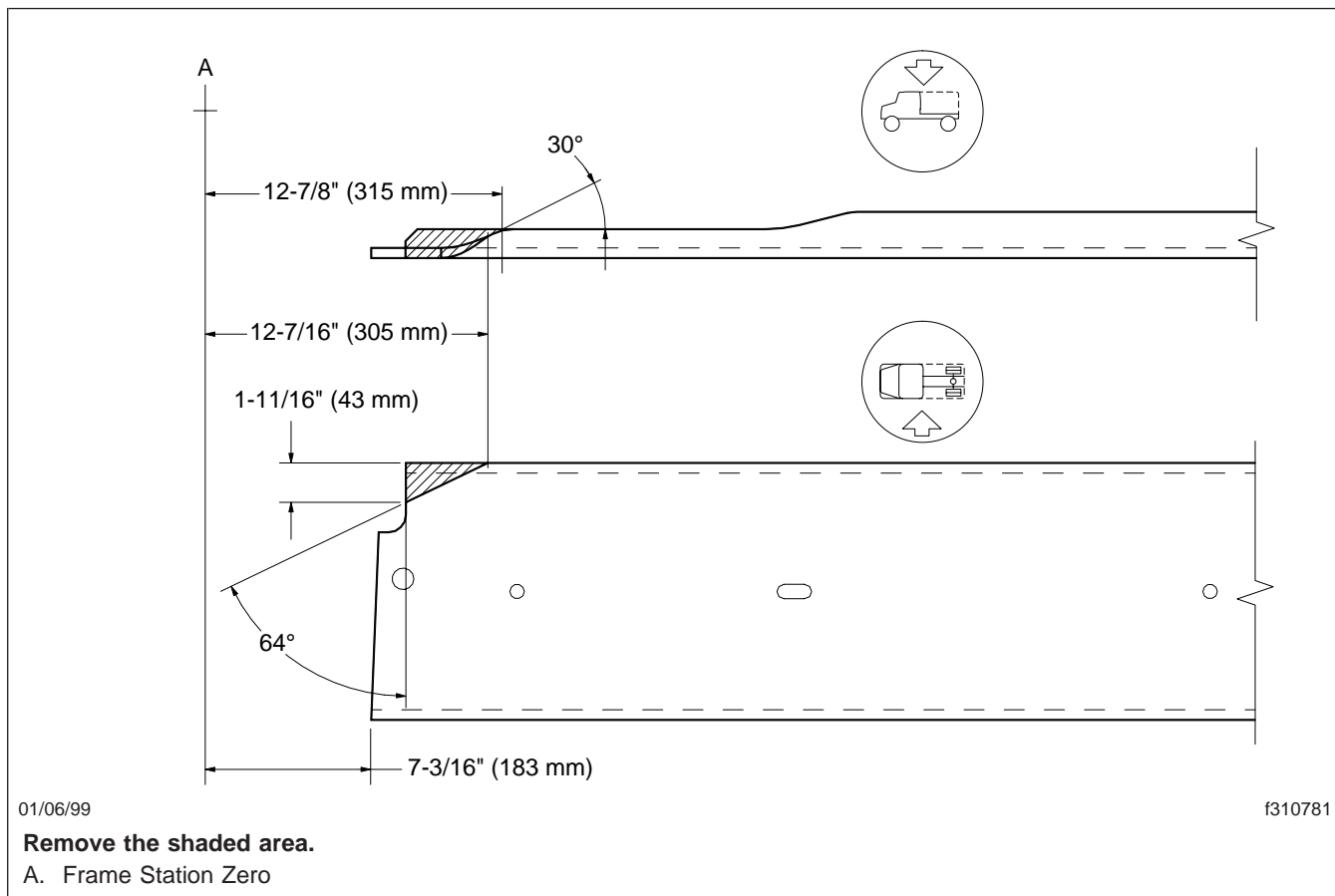


Fig. 2, Removing the Frame-Rail Corners (left frame rail shown)