



FIELD SERVICE CAMPAIGN – 20112

10 September 2020

SUBJECT:

Webasto Fuel Filter and Fuel Lines

MODELS INVOLVED:

IC Bus® CE Bus

DEFECT DESCRIPTION:

Certain IC Bus® CE buses may be built with Webasto fuel lines routed incorrectly.

ELIGIBILITY:

This procedure applies ONLY to vehicles marked in the International® Service PortalSM with FSC 20112. Also complete any other open campaigns listed on the Service Portal at this time.

TOOLS REQUIRED:

Description	Tool Number
N/A	N/A

Table 1 Tools Information

PARTS REQUIRED (Refer to Step 5 Before Ordering)

Part Number	Description	Quantity
3529963C1	Conduit, Relective	2 ft
3544557C1	Strap, Cable Lock 382 mm	1
306132C1	Strap, Cable Lock	As Required

Table 2 Parts information – Configuration 1 and Configuration 2

WORK INSTRUCTIONS

GOVERNMENT REGULATION: Engine fluid (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluid and other contaminated materials (such as filters and rags) in accordance with applicable regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable regulations.

WARNING! To prevent personal injury and / or death, or damage to property, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in both directions.

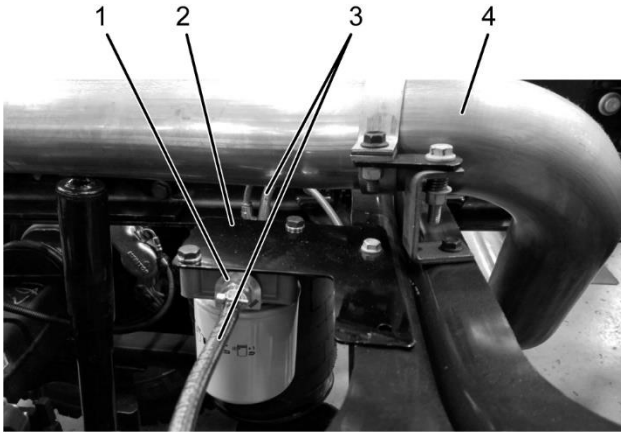
WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent personal injury and / or death, or damage to property, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent personal injury and / or death, or damage to property, take all necessary and appropriate precautions when cutting or disconnecting fuel lines. Fuel lines contain diesel fuel.

WARNING! To prevent personal injury and / or death, or damage to property, care should be taken when removing fuel lines. Fuel lines contain fuel. Use an appropriate container to catch fuel.

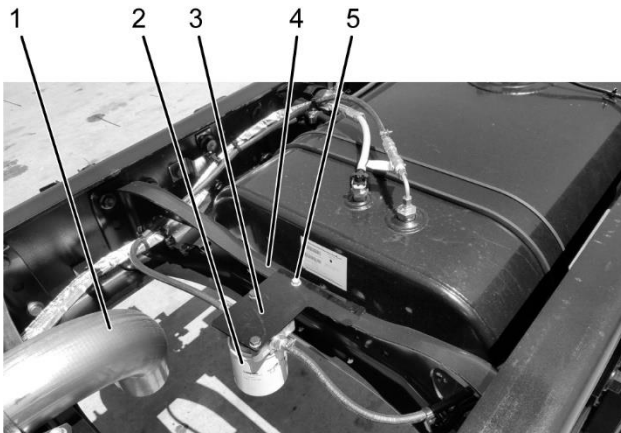
1. Park vehicle on a flat surface.
2. Shift transmission to Park or Neutral and set parking brake.
3. Turn vehicle ignition to Key OFF position.
4. Install wheel chocks.



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Figure 1. Configuration 1 Prior to Rework

1. Fuel filter / fuel filter mounting head
2. Bracket
3. Fuel lines
4. Exhaust



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Figure 2. Configuration 2 Prior to Rework

1. Exhaust
2. Fuel filter / fuel filter mounting head
3. Bracket
4. Crossmember
5. Hole aligns with center of crossmember

NOTE: Webasto fuel filter comes in two unique configurations. Rework performed is determined by configuration. Figure 3 depicts acceptable finished rework for BOTH configurations 1 and 2.

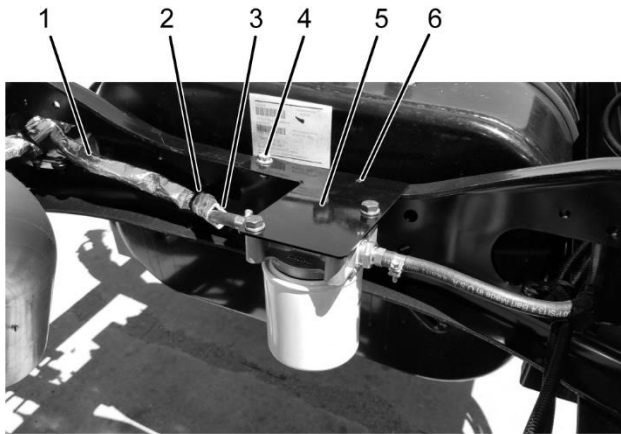
5. Determine fuel filter configuration:

- a. Configuration 1 (Figure 1): Filter mounted to crossmember just behind rear axle. Continue with Step 6.
- b. Configuration 2 (Figure 2): Filter mounted to crossmember just forward of fuel tank. Proceed to Step 15.

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- 6. Remove fuel lines (Figure 1, Item 3) from fuel filter mounting head (Figure 2, Item 1).
- 7. Remove fuel filter mounting head (Figure 1, Item 1) from bracket (Figure 2, Item 2). Save bolts for reuse.
- 8. Remove bracket (Figure 1, Item 2) from crossmember. Save bolts for reuse.



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Figure 3. Acceptable Finished Rework Configurations 1 and 2

1. Smooth routing with no kinks or chafing
 2. Button head tie strap 3544557C1 (end cut)
 3. 24 inches heat shield 3529963C1
 4. New mounting location for bracket
 5. Bracket on top of crossmember
 6. Old mounting location for bracket
9. Reattach bracket to top of crossmember just forward of fuel tank (Figure 3, Item 4). Use hole in bracket leg as connecting point. Fuel filter should be positioned on driver-side of vehicle. Tighten bolt to 30 lb-in (1.26 N•m).
- NOTE: Flow direction arrows on fuel filter MUST point to driver-side of vehicle. If seated in the driver's seat, arrows point to the left-side of vehicle.**
10. Reattach fuel mounting head to bracket. Tighten bolts to 30 lb-in (1.26 N•m).

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NOTE: Fuel lines may need to be cut or lengthened to fit. Reroute and reinstall fuel lines to fuel filter mounting head.

11. Install heat shield 3529963C1 over inlet fuel line.
12. Add button head tie strap to pull fuel line towards crossmember, away from exhaust.
13. Ensure routing is free of kinks and chafe points. Adjust fuel line clipping if necessary. Proceed to Step 23.
15. Remove fuel filter mounting head (Figure 2, Item 2) from bracket (Figure, Item 3). Save bolts for reuse.
16. Remove bracket (Figure 2, Item 3) from crossmember (Figure 2, Item 4). Save bolts for reuse.
17. Flip bracket 180 degrees so mounting hole mounts align with center of crossmember (Figure 2, Item 5).
18. Reattach bracket to top of crossmember using hole in leg of bracket as connecting point. Tighten bolt to 30 lb-in (1.26 N•m).
19. Reattach fuel filter mounting head to bracket. Tighten bolts to 30 lb-in (1.26 N•m).

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20. Remove inlet fuel line from filter head, install heat shield 3529963C1 over fuel line and reinstall fuel line.
21. Add bottom head tie strap to pull fuel line towards crossmember, away from exhaust.
22. Ensure routing is free of kinks and chafe points. Adjust fuel line clipping if necessary.
23. Remove wheel chocks.

LABOR INFORMATION

Operation number must appear on all claims.

Operation Number	Description	Time
A40-20112-1	Relocate Fuel Filter, Fuel Lines & Add Heat Shield	0.5 hrs

Table 3 Labor Information

WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Field Service Campaign 20112.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

As with all claim submissions, items acquired locally must be submitted in the "Other Charges" tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To make sure this important improvement is made in a timely manner, all claims for 20112 activity must be submitted by 10 September 2021 or within the normal warranty period for the component repaired, if after 10 September 2021.

GROUP	NOUN	C	WARR.	TP	PAD

GROUP — Enter number

NOUN — Leave blank

C (CAUSE) — Enter either 1, 2, 3. (See below)

- 1. Inspected (No repair required).
- 2. Inspected and repaired.
- 3. Defective part from parts stock.

WARRANTY — (Warranty Code) Enter 40.

TYPE PART — Enter P for type part causing failure.

PAD — Enter 100

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