

PREVOST

WARRANTY BULLETIN

WB19-39

DATE :	December 2019	SECTION :	23 ACCESSORIES
EXPIRATION:	December 2021		
SUBJECT :	WIPER ARM WITH STRONGER COIL SPRING		

First Release

Dec. 06, 2019

APPLICATION

NOTICE TO SERVICE CENTERS <i>Verify vehicle eligibility by checking warranty bulletin status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of Prevost website.</i>			
Model	VIN		
X3-45 coaches Model Year : 2019 - 2020	2PCG33499 KC736382		4RKG33491 K9737649
	2PCG3349X KC736455		4RKG33494 L9737663
	2PCG33496 KC736467		4RKG33496 L9737664
	2PCG33495 LC736493		4RKG33498 L9737665
	2PCG33492 LC736497		4RKG3349X L9737666
	2PCG33496 LC736499		4RKG33491 L9737667
			4RKG33493 L9737668
		4RKG33495 L9737669	
X3-45 VIP commercial use Model Year : 2019 -2020	2PCCS3499 KC736447		2PCCS3495 LC736494
	2PCCS3498 KC736472		2PCCS3497 LC736495
	2PCCS3491 LC736492		2PCCS3499 LC736496
This bulletin does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery. The owners of the vehicles affected by this bulletin will be advised by a letter indicating the Vehicle Identification Number (VIN) of each vehicle concerned.			

DESCRIPTION

New wiper arms equipped with a stronger coil spring are now installed at the factory on the latest X3 Series models with increased windshield curve. This higher coil spring tension improve contact between the wiper blade and the windshield surface for better wiping performance.

The vehicles listed above haven't been equipped with the improved wiper arms at time of assembly. For this reason, Prevost recommends replacing the existing wiper arms by the new improved wiper arms.

NOTE: keep the replaced wiper arms as spare parts for older X3 vehicles.

MATERIAL

Kit **WB19-39** includes the following parts:

Part No.	Description	Qty
800216	WIPER ARM	2

PROCEDURE



DANGER

Park vehicle safely, apply parking brake, stop the engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On the commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

Lockout & Tag out (LOTO) must be performed during set-up, maintenance or repair activities. Refer to your local procedure for detailed information regarding the control of hazardous energy.

WIPER BLADE REMOVAL

1. Place the wipers in the starting position as shown.
2. Mark wiper blades positions on the windshield.

Use making tape or a pencil or marker that makes temporary markings when used on glass.

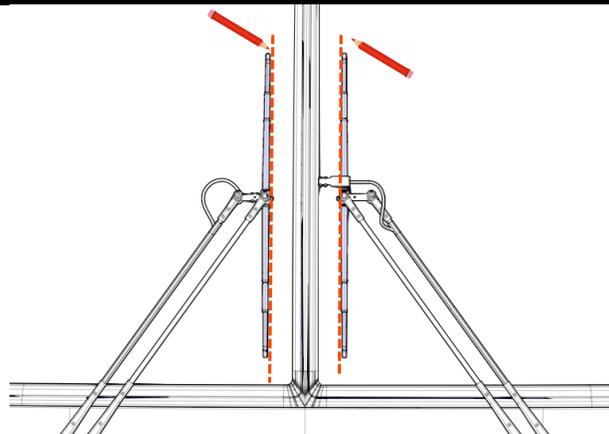


FIGURE 1 : MARKING THE START POSITION

REMOVAL

3. On both wiper arms, disconnect the washer fluid hoses at the nozzle assemblies and at the lower fittings.
4. Remove the washer fluid hoses from the wiper arms.

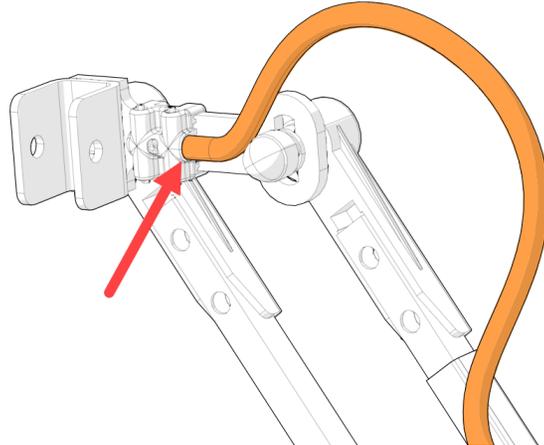


FIGURE 2: NOZZLE ASSEMBLY

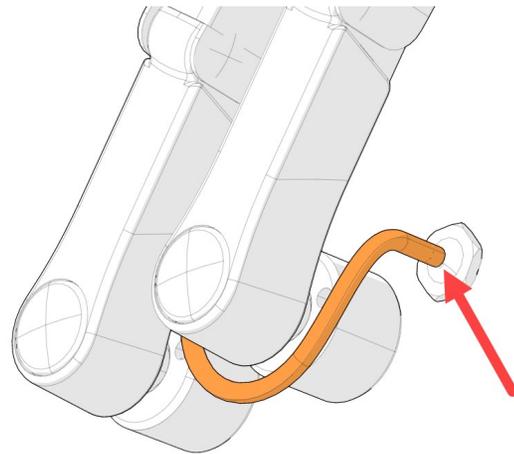


FIGURE 3: LOWER FITTING

5. Remove the caps from the pivots.
6. Unscrew the nuts and remove the wiper arms.

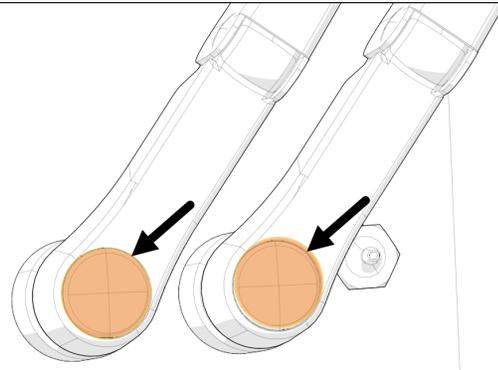


FIGURE 4: CAPS

NEW WIPER ARMS PREPARATION

7. Place both new wiper arms on a table.
8. Remove the spacers (1 per arm) on the old wiper arms and install on the new wiper arms.

IMPORTANT: Place as shown with the open side underneath.

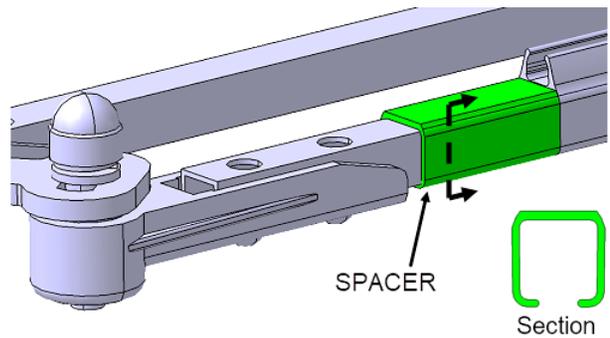


FIGURE 5: SPACER

9. Remove the nozzle assembly on one of the two wiper arms. **This wiper arm will then be the street side wiper arm.**

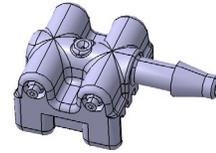
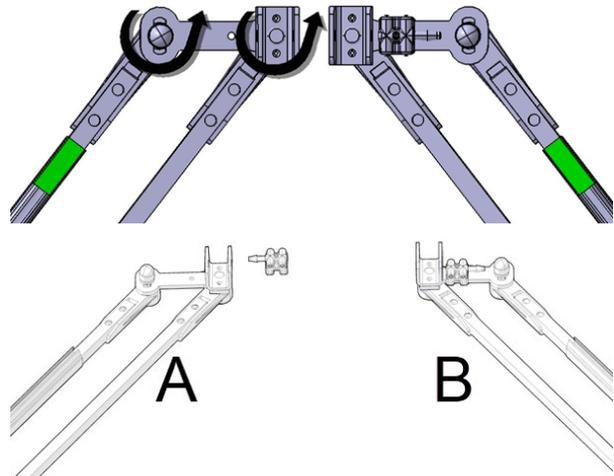


FIGURE 6: NOZZLE ASSEMBLY

10. Rotate one of the wiper arms in order to have two symmetrical units.



A= street side
B= curb side

FIGURE 7

11. On each wiper arm, route the washer fluid hose through the coil spring and the plastic guide as shown.

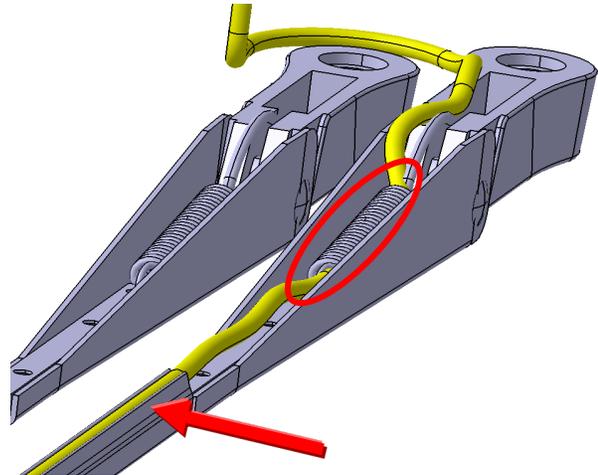


FIGURE 8

STREET SIDE WIPER ARM PREPARATION

12. Recover the nozzle assembly support bracket from the old street side wiper arm and install on the new street side wiper arm.
13. Adjust the hose position. It must extend the plastic guide about **280 mm (11")**.
14. Route the washer fluid hose as shown and connect to the nozzle assembly. Make sure it will not interfere with the movement of the mechanism.
15. Clip the nozzle assembly on the support bracket.
16. Install the wiper blade using the existing fasteners. Keep in mind that the wiper blade must remain free in rotation. Use Loctite 243 on threads.

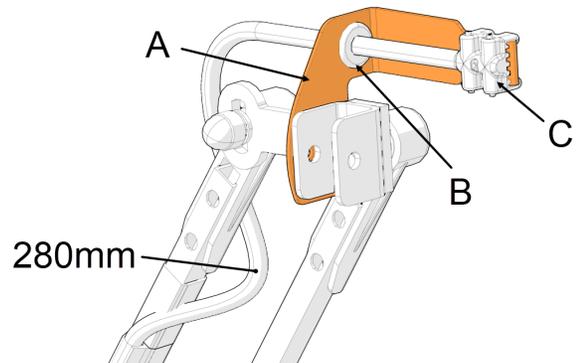


FIGURE 9

- A= nozzle assembly support bracket
B= grommet
C= nozzle assembly

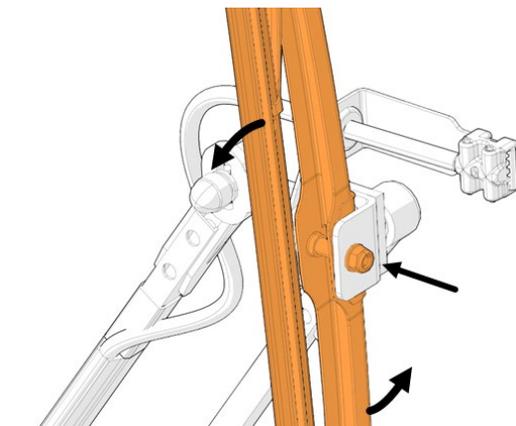


FIGURE 10

CURB SIDE WIPER ARM PREPARATION

17. Adjust the hose position. It must extend the plastic guide about **230 mm (9")**.
18. Connect the washer fluid hose. Make sure to rotate the hose while connecting it on the nozzle assembly in order to have the hose leaning on the wiper arm. Make sure the hose will not interfere with the movement of the mechanism.
19. Install the wiper blade using the existing fasteners. Keep in mind that the wiper blade must remain free in rotation. Use Loctite 243.

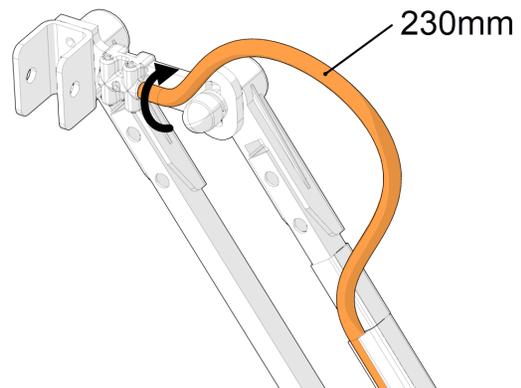


FIGURE 11

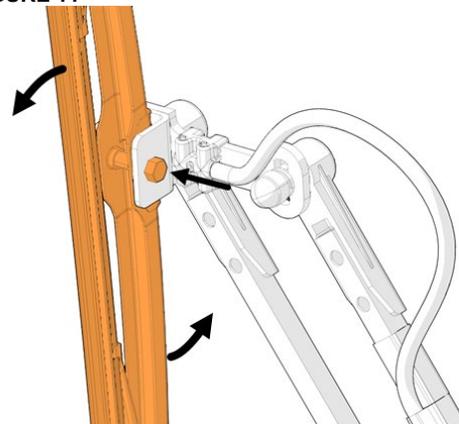


FIGURE 12

WIPER ARM REINSTALLATION

20. Reinstall the wiper arms, making sure the blades align with the marks made at the beginning of this procedure.

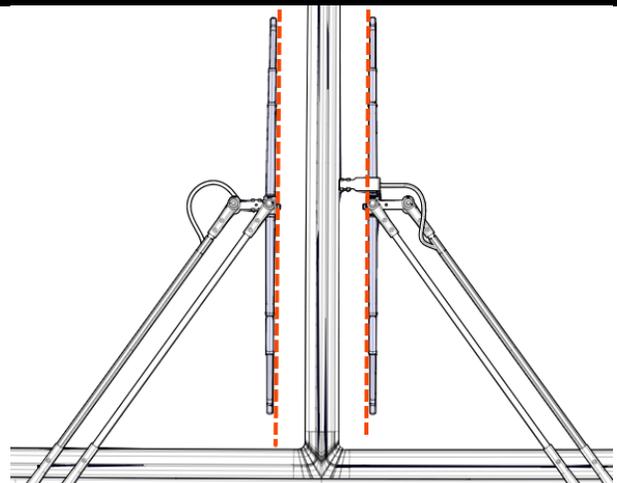


FIGURE 13

21. Tighten the wiper arms nut to **22 lbs-ft**.
Reinstall the caps from the pivots.

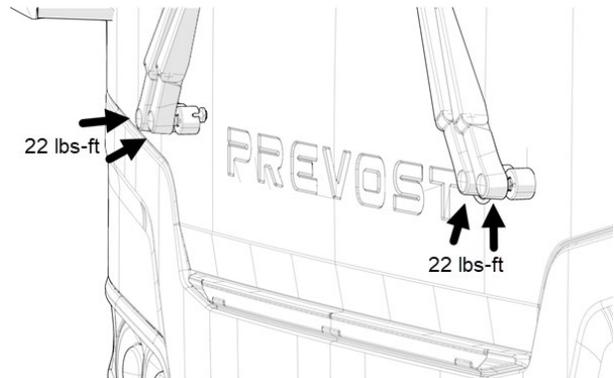


FIGURE 14

22. Make sure that each fluid washer hose extend **280 mm (11")** long. If necessary, move the excessive length at the upper end of the wiper arm.
23. Connect the washer hoses to the lower fittings.

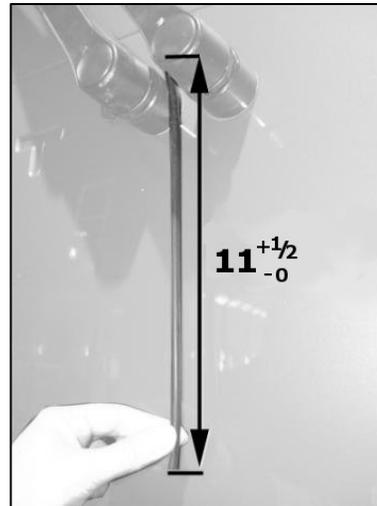


FIGURE 15

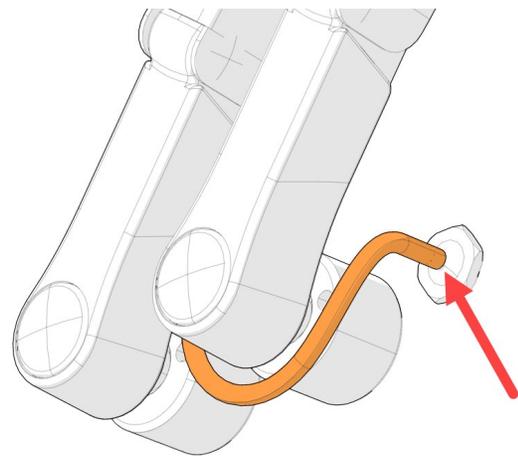


FIGURE 16

PARTS / WASTE DISPOSAL

DO NOT RETURN THE REPLACED PARTS. Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

WARRANTY

This modification is covered by Prevest's normal warranty. We will reimburse you the parts (two wiper arms) and 3/4 hour (0.75) of labor upon receipt of a warranty claim. Please submit claim via our Online Warranty System, available at www.prevestcar.com (under Service \ Warranty section). Use Claim Type: "Bulletin/Recall" and select "Warranty Bulletin WB19-39".

OTHER

VBC Bulletin	N/A
Fail Code	23.05
Defect Code	09
Syst. Cond	B
Causal Part	800354

Access all our Service Bulletins on
<http://techpub.prevestcar.com/en/>
or scan the QR-Code with your smart phone.



Are you a vehicle owner? E-mail us at technicalpublications_prev@volvo.com and type "ADD" in the subject to receive warranty bulletins applicable to your vehicle(s) by e-mail.