

# Special Bulletin

# SP23-301

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First Release

03-10-2023

## STEERING DAMPER REPLACEMENT

Prevost vehicles

### DESCRIPTION

On the vehicles affected by this bulletin, the steering dampers and related hardware must be inspected and may need to be replaced by new improved units.

### MODEL YEAR(S) AND VEHICLES INVOLVED

<b>NOTICE TO SERVICE CENTERS</b>		
<i>Verify vehicle eligibility by checking warranty bulletin status with <b>SAP</b> or via <b>ONLINE WARRANTY SYSTEM</b> available on Service / Warranty tab of Prevost website.</i>		
Model	VIN	Fleet Number
X3-45 Commuter Model Year : 2021 - 2023	From 4RKJ33492 <u>M9737751</u> up to 4RKJ33496 <u>P9738096</u> incl.	From 1300 up to 1629, incl.
This bulletin does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery.		

### MATERIAL NEEDED

Order one of the following kits:

#### Kit SP23301-1

Part No.	Description	Qty
660979	STEERING STABILIZER	1
504792	CLAMP HOSE SS 40-63.5	1
661007	DUST SHIELD BELLOW	1
500146	SCR CAP HEX N500 3/4-16X4 G5 PT	2
500251	NUT HEX NYRT NX500 3/4-16	2
500087	WSH FL N500 .812X1.500X.108 (M20,3/4)	1

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## Kit SP23301-2

Part No.	Description	Qty
500146	SCR CAP HEX N500 3/4-16X4 G5 PT	1
500251	NUT HEX NYRT NX500 3/4-16	1
500087	WSH FL N500 .812X1.500X.108 (M20,3/4)	1

### NOTE

Material can be obtained through regular channels.

## SAFETY PRECAUTIONS

- Eye protection should always be worn when working in a shop.
- Rules for Personal Protection Equipment should always be respected. Wear your PPE including but not limited to the following:



# Safety First!



## PROCEDURE

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## 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 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.

## PART 1: INSPECTION

### 1. Validate the damper manufacturing date.

Example: Date Code Q22351

22 is the Year

35 is the week

1 is the day of the week.

- If the damper is manufactured **after Q22351**, the damper is good and does not need replacement (proceed with step 2 of the inspection).
- If the damper manufacturing date is **Q22351 or before**, the damper and all related hardware must be replaced using kit **SP23301-1** (proceed with replacement procedure).

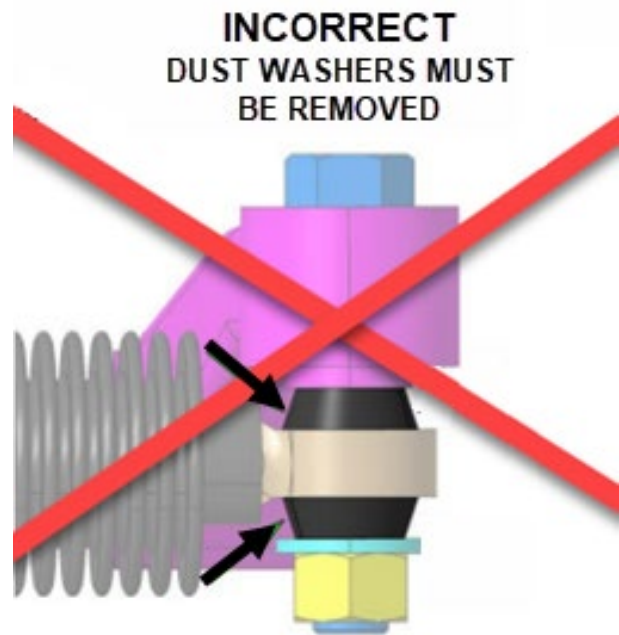


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2. If the damper is good (correct manufacturing date), validate that no “dust prevention” covers are present at the ball bearing end of the damper.

- If no dust cover are present, the vehicle can be put back in service without modification.
- If dust cover are present, they must be removed and the hardware (screw, washer and bolt) must be replaced using kit **SP23301-2**

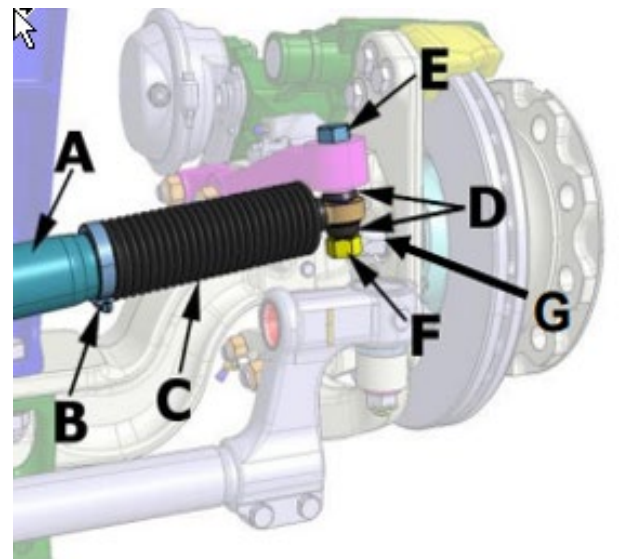
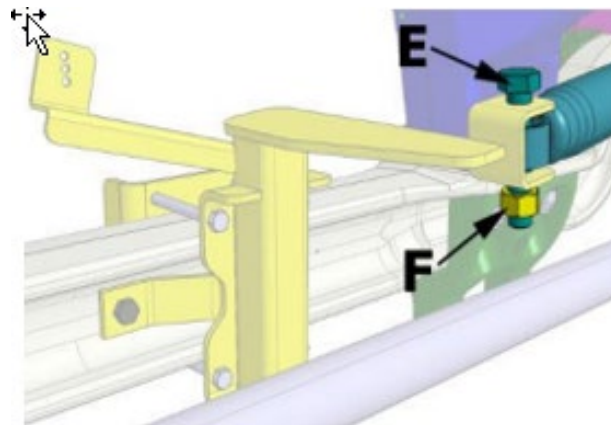
**TORQUE : 110 FT-LB**



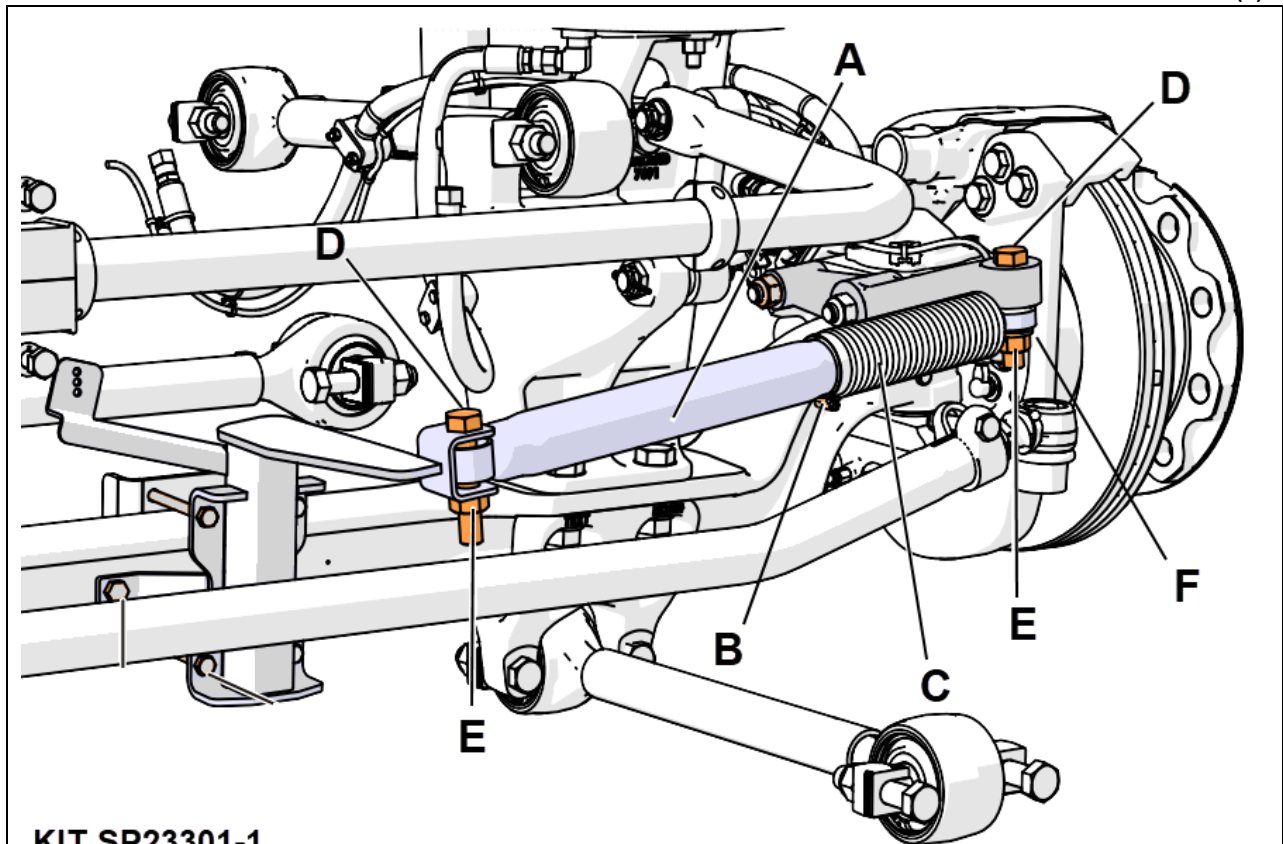
## **PART 2 : REPLACEMENT PROCEDURE (as required following inspection)**

1. Remove and discard the steering damper, mounting hardware and related components listed below.

- |                     |                 |
|---------------------|-----------------|
| A : Steering Damper | B : Clamp       |
| C : Dust Bellow     | D : Dust Covers |
| E : Screws          | F : Bolts       |
| G : Flat Washer     |                 |



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- A : Steering Damper # **660979**
- B : Clamp # **504792**
- C : Dust Bellow # **661007**
- D : Screws # **500146**
- E : Bolts # **500251**
- F : Flat Washer # **500087**

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2. Reinstall the new components supplied in KIT **SP23301** as listed and pictured above.

**IMPORTANT:** Make sure that the bellow drip holes and the clamp screw are toward the bottom.

**TIP :** You can use yellow marker to make a mark in line with holes to see where they are.



**TORQUE (bolts both ends) : 110 FT-LB**

**TORQUE REQUIREMENT (hose clamp) :**  
**Must not rotate with hand force.**

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3. Add a strip of torque seal to both installed bolts.



## PARTS / WASTE DISPOSAL

Return replaced parts to Prevest with A.F.A. for full reimbursement.  
Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

## ESTIMATED TIME

The time required to perform this special bulletin is approximately one hour (1.0).

## OTHER

VBC Bulletin	N/A
Fail Code	14.09
Defect Code	09
Syst. Cond	B
Causal Part	660979

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