



PACCAR NGP Truck Seat Retro Fit Kit Installation Guidelines

CV.9001.070814

DISCLAIMER

Seating systems play a major role in the safe operation of motor vehicles. Regular inspection and maintenance of this system, as well as other safety critical items, should only be performed by qualified service centers with well-trained repair specialists. Maintenance and service procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Intercompany, local, and federal regulations may apply specifically for your place of business and all applicable safety standards should be observed and supersede any statements or procedural advice presented here. Standard safety procedures and precautions should be followed at all times, including use of safety goggles and use of the proper tools and equipment, to minimize the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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!!WARNING!!

Installation should only be performed by qualified service personnel familiar with and properly trained on the maintenance for the particular motor vehicle being serviced. Damage to property, personal injury, or loss of function during operation may result if not installed following applicable regulatory guidelines. Use of this procedure is only permitted provided the above 'disclaimer' and 'limitation of liability' is read, understood and accepted.

As of 2013, many new PACCAR trucks are fitted with a non CVG manufactured seat, which features a different mounting process and tie down points from traditional truck seats. This is currently true in Peterbilt 587 & 579 and Kenworth T800, T700, & T680 models. In order to install a CVG seat into these applications, you will need a standard aftermarket CVG seat suitable for the application plus the appropriate retrofit kit. There are two retro fit kits depending on the CVG seat selected:

Part Number	Description
6205011-001	Kit, NGP Retro for All National & All Bostrom seats except Bostrom Wide Ride II
6205011-002	Kit, NGP Retro for Bostrom Wide Ride II

Below are the contents of each of the two kits.

Item Number	Part Number	Description	Quantity for Kit 6205011-001	Quantity for Kit 6205011-002	Part Image
1	1205010-001	Template	1	1	
2	1205051-001	Instructions (this document)	1	1	
3	1205005-001	Tether, 15.3	2	-	
4	1205005-002	Tether, 13.9	-	2	
5	1205008-002	Cable, Belt Buckle Extension	1	1	
6	1205009-001	Plug, Floor Mat	2	2	
7	1209730-286	Sleeve, Black Vinyl	1	1	
8	1205013-001	Screw, M8 x 1.25 x 45LG	4	4	
9	1205014-001	Screw, M12 x 1.75 x 55LG	2	2	
10	1204840-001	Washer, Zinc Plate 7/16	4	4	
11	1204846-001	Screw, Hex Head Cap 7/16-20	2	2	
12	1205012-001	Nut, M12 x 1.75	1	1	
13	1203071-001	Bolt, M12 x 1.75	1	1	
14	1204893-001	Nut, Nylon Lock	2	-	
15	1065579-002	Washer, 2 x 12.48 x 22	2	2	
16	1205040-001	Thread Locker, 0.5ml Capsule	1	1	

TOOLS REQUIRED

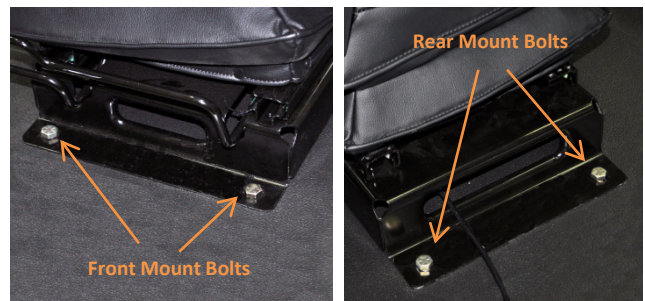
- Phillips screw driver
- Common screw driver
- Socket wrench set
- Torque wrench
- Star bit drivers or bit set for socket wrench
- 3/4" Hole Punch & Hammer (preferred but not required)
- Utility knife and safety gloves
- Safety glasses
- Marker that can show on black vinyl

INSTALL TIME & SKILL

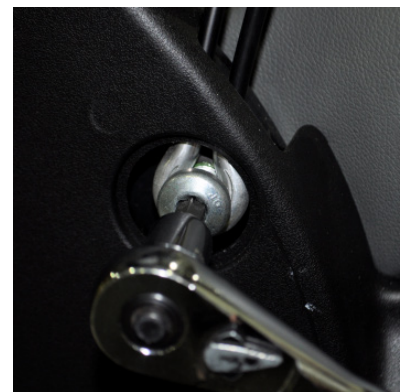
This process requires basic mechanical skills and can be accomplished by anyone trained in the installation of truck seats within about the same amount of time as it would normally take to install a seat without a retro fit kit. Total time to remove and install new seat with kit for trained technician is about 0.5 hours. Truck OEM maintenance guidelines should be followed as part of this process, including all safety precautions.

INSTALLATION STEPS

1. Remove existing seat from truck per truck OEM maintenance instructions. Leave seat belt buckle attached to inboard side of seat until seat is removed.

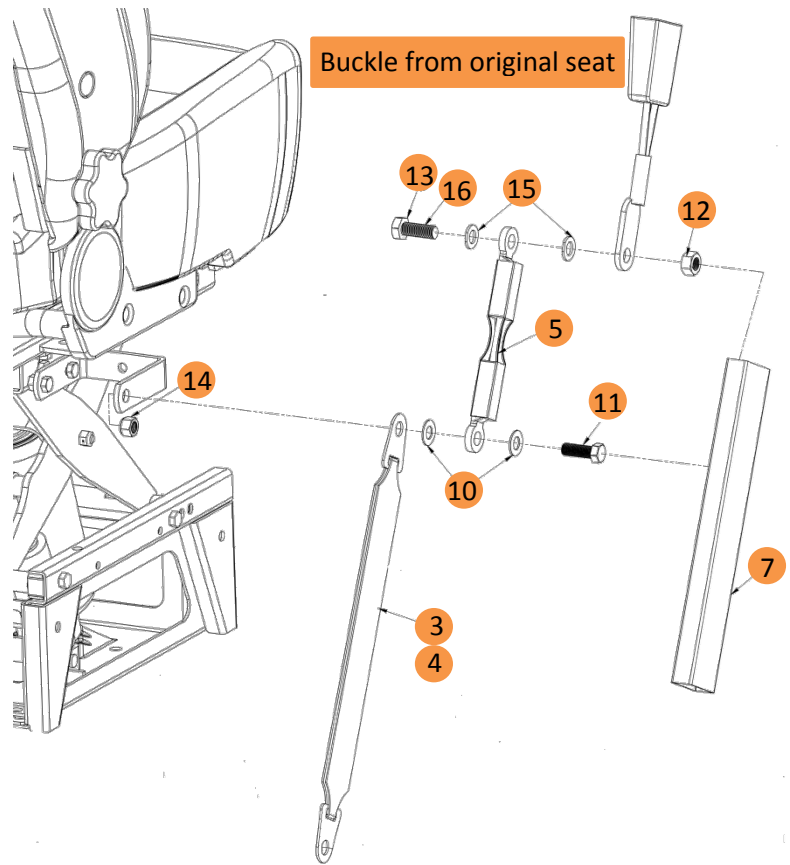


2. Remove seat belt buckle from existing seat with star bit.



3. Assemble buckle and cable per diagram to the right.

- a. Apply thread locker fluid (item 16) to bolt (item 13)
- b. Order of assembly of stack up:
 - i. Bolt (item 13), washer (item 15), cable (item 5) turned so flat side is toward bolt, washer (item 15), buckle assembly (existing) turned so that hole for belt tab is toward bolt, nut (item 12).
 - ii. Tighten nut hand tight so that buckle and cable do not pivot easily at connection.



4. Slide vinyl sleeve (item 7) over cable and buckle connection to cover bolts and hold in place.

5. Attach tether and buckle assembly to new seat belt bar. Order of assembly of stack up:

- a. Bolt (item 11), washer (item 10), other end of cable (item 5) turned so flat side is away from bolt, washer (item 10), tether (item 3 or 4 depending on kit)



National 95 suspension style belt bar. Does **NOT** require use of lock nut (item 14).



National HP & Bostrom Wide Ride II suspension style belt bar. Does **NOT** require use of lock nut (item 14).



Bostrom T Series style belt ICP bracket. **DOES** require use of lock nut (item 14).

b. Insert bolt with stack up into hole on belt bar (see images above)

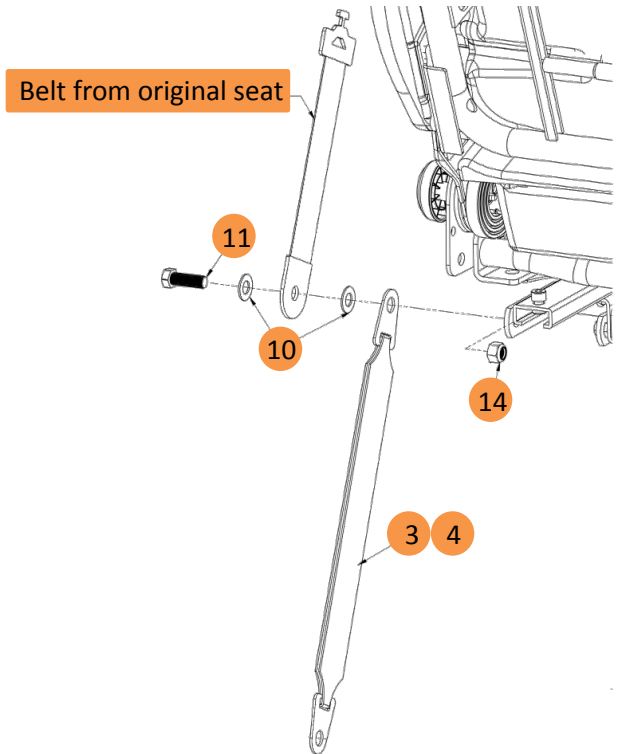
- i. For National Seating seats you will not need the lock nut (item 14) as they feature either a solid shaft with threaded holes or a belt bar with welded nut in place.
- ii. For Bostrom Seating Wide Ride II seats, the lock nuts (item 14) are also not needed and will not be included in the kit.
- iii. For all other Bostrom Seating seats you will need to utilize the lock nuts (item 14) on the inside of the belt bar.

c. Tighten bolt with torque wrench (and lock nut if applicable) to 35.0 +/- 2.0 Nm or 26.0 +/- 2.0 LB FT

6. Prepare floor for new seat installation.
 - a. Take template supplied (item 1) and cut out the circles on the template noted as CVG SEAT MOUNT HOLES as well as the circles and triangles noted as NGP STANDARD MOUNT HOLES and TETHER MOUNT HOLES.
 - b. Lay template on the truck floor, aligned forward and line up the four outer holes with the existing mount holes visible.
 - c. Once aligned tape down with masking tape or other low tack tape to hold in place
 - d. Draw circles around the location of the CVG MOUNTING HOLES onto the floor mat in the truck. This is where you will cut to reveal the CVG mounting holes in the truck cab floor. The holes for mounting the CVG seat are located under the floor mat.
 - e. Once marked remove the template and cut out CVG MOUNT HOLES in truck floor. A 3/4" hole punch is recommended for this task; however, a sharp knife used with protective gloves can accomplish the cutting needed. The holes do not need to be perfectly circular they only need to be enough to reveal the threaded holes in the cab floor for the seat mount bolts.
 - f. Install both floor plugs (item 6) into the forward most, existing NGP STANDARD MOUNT HOLES. This may require a screw driver or pry to work them in place. A small amount of general purpose glue can be used if desired on the plugs.

7. Put new seat into truck – but do not bolt down yet.
8. Attach outboard tether and seat belt to new seat belt bar.

- a. Order of assembly of stack up:
 - i. Bolt (item 11), washer (item 10), seat belt tab (in vehicle), washer (item 10), tether (item 3 or 4 depending on kit)
- b. Insert bolt with stack up into hole on belt bar (see seat base images below and to the right).
 - i. For National Seating seats you will not need the lock nut (item 14) as they feature either a solid shaft with threaded holes or a belt bar with welded nut in place.
 - ii. For Bostrom Seating Wide Ride II seats, the lock nuts (item 14) are also not needed and will not be included in the kit.
 - iii. For all other Bostrom Seating seats you will need to utilize the lock nuts (item 14) on the inside of the belt bar.
- c. Tighten bolt with torque wrench (and lock nut if applicable) to 35.0 +/- 2.0 Nm or 26.0 +/- 2.0 LB FT



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9. Install seat mount bolts.
 - a. Align seat so that the seat is aligned with the four holes cut for the CVG MOUNT HOLES in step 6.
 - i. It may be easier to apply air and raise seat up some to do this depending on the seat and cab arrangement.
 - b. Loosely hand thread all four M8 bolts (item 8) before tightening down to ensure all for are in the proper position.
 - c. Once alignment is confirmed tighten down bolts to OEM torque specifications.
10. Remove air from seat if it was inflated for installation.
11. Attach both tethers to rear most mount points in the floor using the M12 bolts (item 9). The tethers will attach to the rear mount holes of the old seat.