



SP 2-219-002

SERVICE PROGRAM

August, 2016

ATTENTION:

Service Managers / Parts Managers

SUBJECT:

Charge air cooler (CAC) pipe replacement.

DESCRIPTION OF WORK:

This service program provides information regarding the replacement of the CAC pipe on certain 2016 model year Xpert vehicles equipped with ISB engines.

PROGRAM EXPIRES:

August 31, 2017

VEHICLES AFFECTED:

This Service Program covers 33 vehicles. Refer to the VIN list beginning on page 5.

SERVICE RESPONSIBILITY:

Service Programs are performed on eligible vehicles at no charge to the owner until the expiration date listed above.

SERVICE PROGRAM INFORMATION:

Service Programs are product modifications and/or product improvements that Autocar has determined will enhance the operation of the truck. In a continuing effort to inform our customers of potential service issues and avoid unnecessary down time, Autocar has identified the following operation as recommended preventive maintenance.

This Service Program should be added to your preventive maintenance and service manuals.

While being committed to continuous product improvement, Autocar is not liable for updating existing chassis after they have been placed in service.

Questions regarding this Service Program should be directed to Autocar Technical Support at 888-218-3611.

TO OBTAIN PARTS:

DO NOT submit a Solutions ticket.

Ensure that you have authorization from the customer to perform this work and send an e-mail to: warranty@autocartruck.com

Include:

1. VIN(s) (or) (last 6 digits of the VIN(s))
2. Attention To Name
3. Ship To Address.



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REQUIRED PARTS:

S2192000K002 Service kit
(1) A2190235-001 CAC pipe

CLAIMS FOR REIMBURSEMENT:

Submit a claim for reimbursement in accordance with Autocar's Warranty Administration Manual.

CLAIM CODING INFORMATION:

Repair Number (Op Code)	Time Allowance (SRT)	Description
26503-2-02	1.00 HR	Charge Air Cooler (CAC) Pipe Replacement

TOOLS REQUIRED:

3/8" drive 1/2" deep socket
3/8" drive 5/16" deep socket
3/8" drive ratchet
3/8" drive torque wrench capable of 72 inch pounds / 6 foot pounds

SAFETY NOTICES:



WARNING

Allow the vehicle's engine and cooling system to cool to ambient temperature before performing the repair procedure. A hot engine or cooling assembly may cause burns or other personal injury.



WARNING

To prevent eye injury, always wear eye protection when performing vehicle maintenance, service or inspection.



WARNING

Before working on a vehicle, set the parking brake, place the transmission in neutral and block the wheels. Failure to do so can result in unexpected vehicle movement and can cause serious personal injury or death.

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CAUTION

LOCKOUT/TAGOUT PROCEDURES:

Before entering the vehicle or vehicle body, read and follow OSHA regulations concerning entry and working in "CONFINED SPACE" OSHA 1910.146 and "LOCKOUT/TAGOUT" OSHA 1910.147. Follow OSHA regulations while performing any work on the vehicle. The vehicle must be disabled by the following steps before performing any work on the vehicle:

1. Place the transmission in NEUTRAL.
2. Set the parking brake.
3. Shut the engine OFF.
4. Lock cab doors, keep the key in your pocket. Block the wheels before entering the body or performing any work on the vehicle.
5. Turn the battery disconnect switch OFF, if equipped.
6. Completely drain the air from the primary/A system and secondary/B system by opening the drain valves on the air tanks themselves or by using the drain manifold if supplied. When draining the air tanks, do not look into the area where air is draining. Dirt or sludge particles may be expelled in the air stream and can cause eye injury.
7. Place magnetic "DANGER" signs on both cab doors before entering the body or performing any work on the vehicle.
8. Take proper precautions before working under the vehicle. Use ramps approved for the weight of your vehicle, or use floor jacks and stands. Never work under a vehicle supported by jacks alone. Always use jack stands to support the vehicle.



WARNING

Autocar natural gas powered vehicles require specific compliance in the service, storage and refueling procedures.

If you store or dispense Compressed Natural Gas (CNG) or Liquid Natural Gas (LNG), or if you work on CNG or LNG trucks, your location must be fully compliant with applicable codes, regulations and standards, including National Fire Protection Association (NFPA) codes, Society of Automotive Engineers (SAE) standards, American National Standards Institute (ANSI), Natural Gas Vehicle (NGV) standards, the United States Code of Federal Regulations (CFR), and your state and local fire and other applicable codes (including the California Code of Regulations and the Texas Administrative Code, as applicable).

Contact your local fire department for guidance and additional compliance information. Technicians working on Autocar trucks with CNG or LNG engines must be trained in the proper repair of CNG and LNG engines and the safe storage and dispensing of CNG and LNG.

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CAC PIPE REPLACEMENT:

1. After turning the key to the "OFF" position, remove the key and allow sufficient time for the vehicle to cool down completely.
2. Raise the cab in accordance with the following safety precautions and procedures.



WARNING

Due to the danger of sustaining personal injury and/or damage to the vehicle, never attempt to raise the cab outdoors under extremely windy conditions. Strong wind conditions could force the cab beyond the normal limits of its travel. Never rely on the hydraulic pressure to hold the cab in an open position. Always use the safety pin in the cab tilt lock tube to prevent serious personal injury or death.



WARNING

Remove or secure all loose articles and close all doors before raising the cab. The area above and ahead of the cab must be clear from obstructions. Place front wheels in a straight ahead position.

Remove the pump handle from its storage on the inside of the cab near the driver or passenger seat.

Place the selector lever on the hydraulic pump in the RAISE position. Insert the pump handle into the pump and operate the handle in an up and down motion. The hydraulic cab latches will open, then the hydraulic cylinders will lift the cab until the midpoint (top) is reached.

Once the cab has reached its midpoint the cab will move forward to the fully open position. The safety pin in the cab tilt lock device must be installed when the holes line up in the sliding bar.

Remove the pump handle when not in use. It may stick out and could cause injury to passersby.

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3. Remove and discard the CAC pipe by first loosening the T-Bolt clamps and then removing the constant torque clamp, and set aside for reinstallation (See Figure 1).

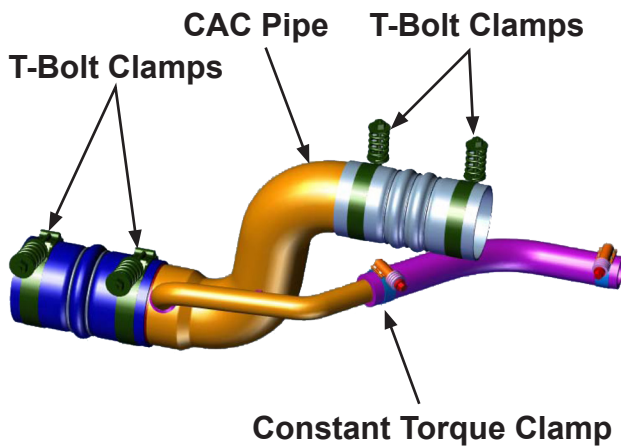


Figure 1

4. Install the new CAC pipe (A2190235-001) and tighten the T-Bolt clamps to 72 in.-lb of torque. Reinstall the constant torque clamp and tighten to 76 in.-lb of torque (See Figure 2).

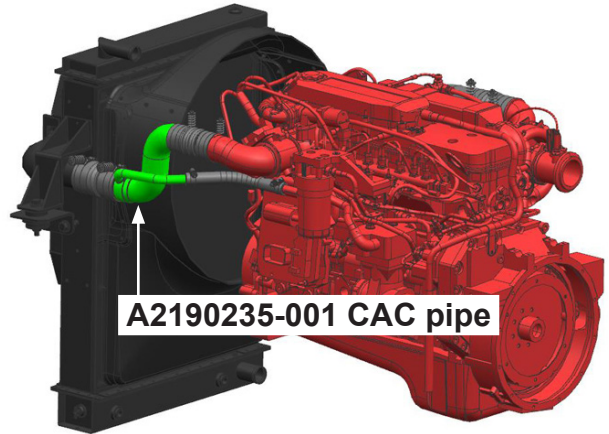


Figure 2

5. Lower the cab.
6. Replacement of the CAC pipe is complete.



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516M1DBD4GH221421

516M3LBD6GH221540

516M3LBDXGH221542

516M3LBD8GH221541

516M3LBD7GH221546

516M3LBD5GH221545

516M3LBD3GH221544

516M3LBD1GH221543

516M3LBD9GH221547

516M3LBD0GH221548

516M3LBD2GH221549

516M3LBD9GH221550

516M3LBD0GH221551

516M3LBDXGH221556

516M3LBD8GH221555

516M3LBD6GH221554

516M3LBD5GH221559

516M3LBD4GH221553

516M3LBD3GH221558

516M3LBD2GH221552

516M3LBD1GH221560

516M3LBD1GH221557

516M1DB23GH221537

516M3LBD7GH221563

516M3LBD5GH221562

516M3LBD3GH221561

516M3LBD9GH221564

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