



SP 2-103-004 SERVICE PROGRAM

January, 2012

Attention:

Service Managers / Parts Managers

Subject:

Engine Oil Dipstick and Engine Oil Dipstick Tube Replacement

Description of Service Program:

This Service Program provides information regarding the engine oil dipstick and engine oil dipstick tube replacement of certain ACX model ISC engine-equipped vehicles.

Program Expires:

January 25, 2013

Vehicles Affected:

This Service Program covers 19 vehicles with serial numbers ranging from 211281 through 212059. Refer to the VIN list on page 7.

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 downtime, 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:

Please contact Autocar at 877-973-3486 or 765-489-6016.

Required Parts:

- (1) S1032004K001 Service kit
 - (1) A1031003-001 Dipstick assembly
 - (1) A1031004-001 Engine oil dipstick
 - (1) A1030361-001 Engine oil dipstick tube
- (1) S1031001K001 Service kit
 - (1) A1030375-001 Bracket
 - (1) A1030376-001 U-bolt
 - (2) GE281925BK01 Locknut
 - (2) GE811625NB01 Flat washer
 - (2) GZ030016-004 Flange Screw

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
22011-2-04	2.0 HR	Dipstick Replacement



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Tools Required:

7/16" combination wrench
Pin punch
Hammer
Self locking pliers
3/8 drive 12mm Socket
Torque wrench capable of 250 in-lbs

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.

DANGER

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

DANGER

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.

WARNING

As you know, Autocar has emerged as the industry leader in the production and sale of natural gas engine refuse trucks in North America. This exciting green technology requires specific compliance in the service, storage and refueling of our customers' natural gas engine trucks.

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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Engine Oil Dipstick and Tube Replacement

1. At the rear of the cab, locate the engine oil dipstick and engine oil dipstick tube (see Figure 1).
2. Remove the engine oil dipstick and engine oil dipstick tube from the engine and discard (see Figure 1). Set aside all clamps and fasteners for reinstallation in step 7.

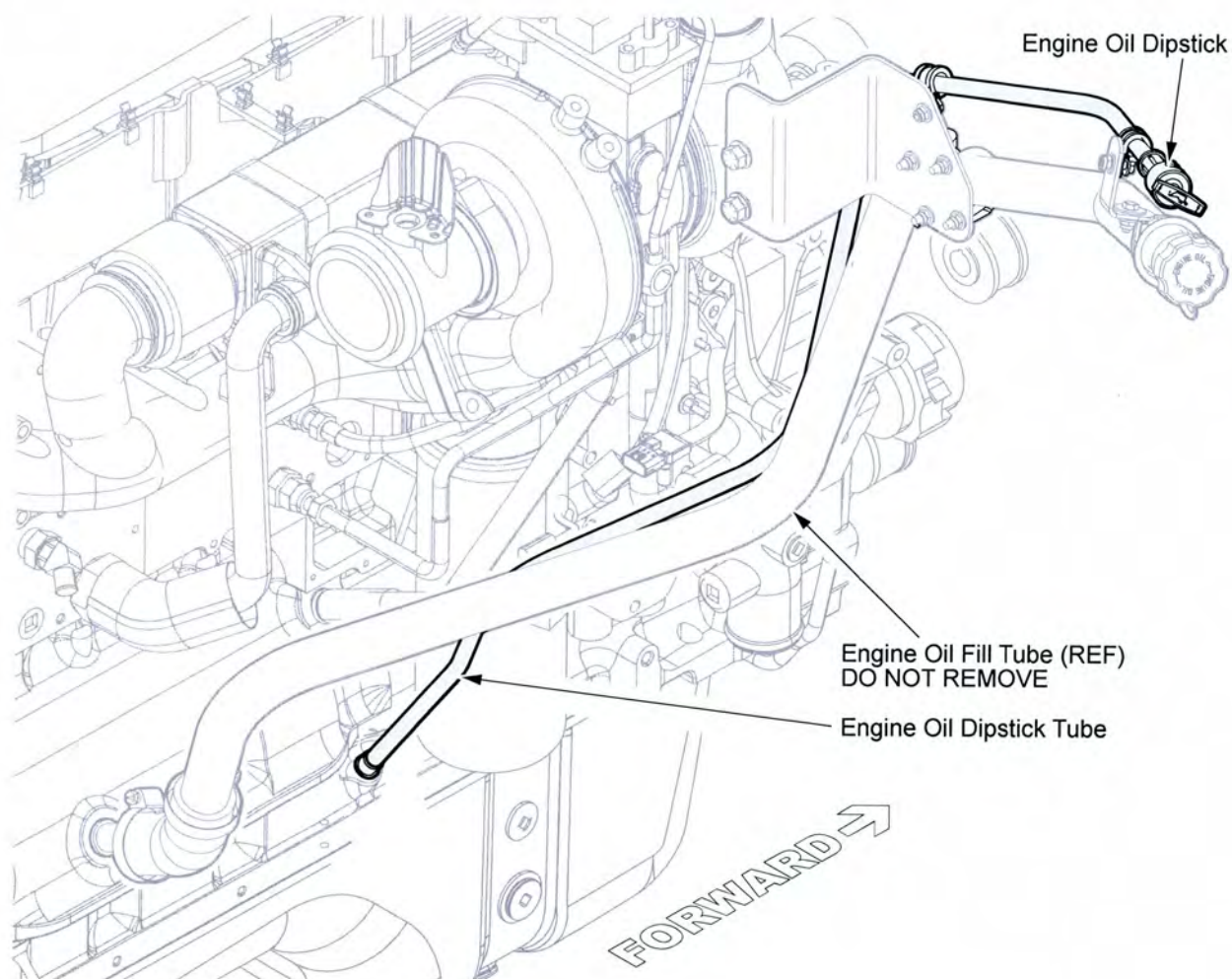


Figure 1

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3. If the new engine oil dipstick and engine oil tube was shipped as an assembly, remove the engine oil dipstick from the engine oil tube and set aside until ready for reinstallation in step 10.

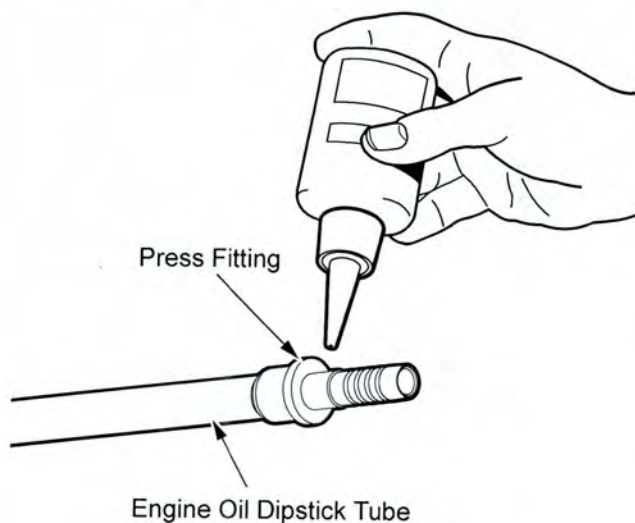


Figure 2

4. Apply cylindrical part bond locking compound to the press fitting on the new engine oil dipstick tube (A1030361-001) prior to installation (see Figure 2).

5. Insert the new engine oil dipstick tube into the engine block oil dipstick tube port (see Figure 3).

Note: Make certain that the positioning of the new engine oil dipstick tube is the same as the dipstick tube removed and discarded in step 2.

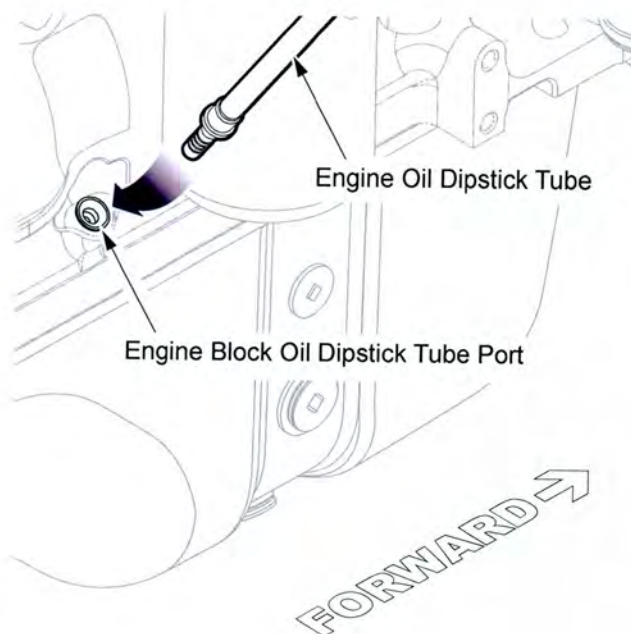


Figure 3

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6. Using a pin punch (or other suitable tool) and a hammer, tap the press fitting into the engine block oil dipstick tube port until fully inserted (see Figure 4).

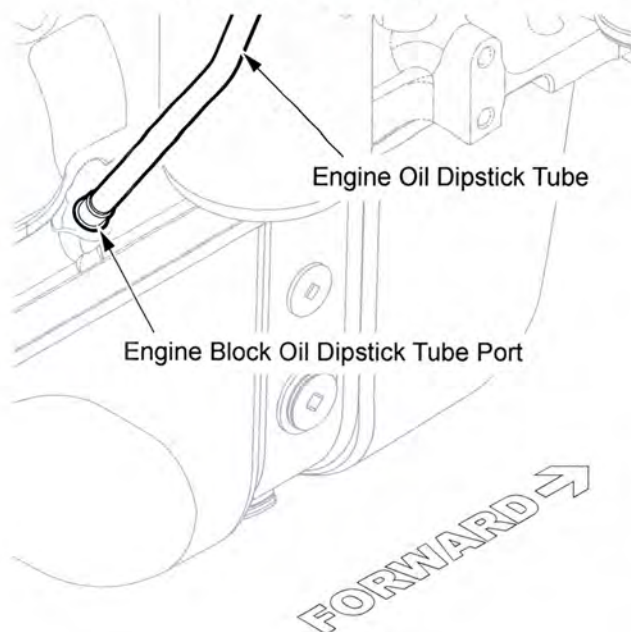


Figure 4

7. Reconnect the engine oil dipstick tube to the engine oil fill tube using the clamps and fasteners removed in step 2.
8. Locate the two screws on the oil pan directly below the newly installed engine oil dipstick tube. Remove the two screws and discard. Using the two flange screws (GZ030016-004), install the bracket (A1030375-001) onto the engine block where the two screws were previously removed (see Figure 5). Tighten the new flange screws to 250 in-lbs (28 N·m) of torque.

9. Secure the engine oil dipstick tube to the bracket by installing the U-bolt (A1030376-001), two flat washers (GE811625NB01) and two locknuts (GE281925BK01) (see Figure 5). Tighten the two locknuts to 250 in-lbs (28 N·m) of torque.

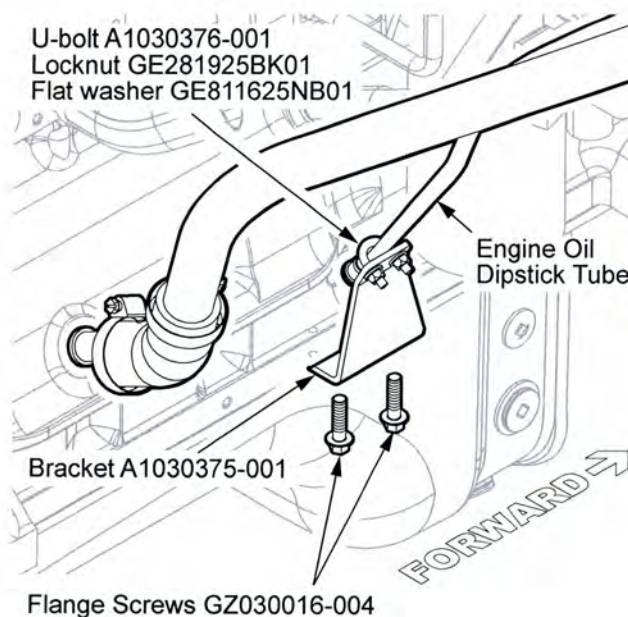


Figure 5

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10. Install the new engine oil dipstick (A1031004-001) into the engine oil dipstick tube and twist clockwise to lock in place (see Figure 6).
11. Replacement is now complete.

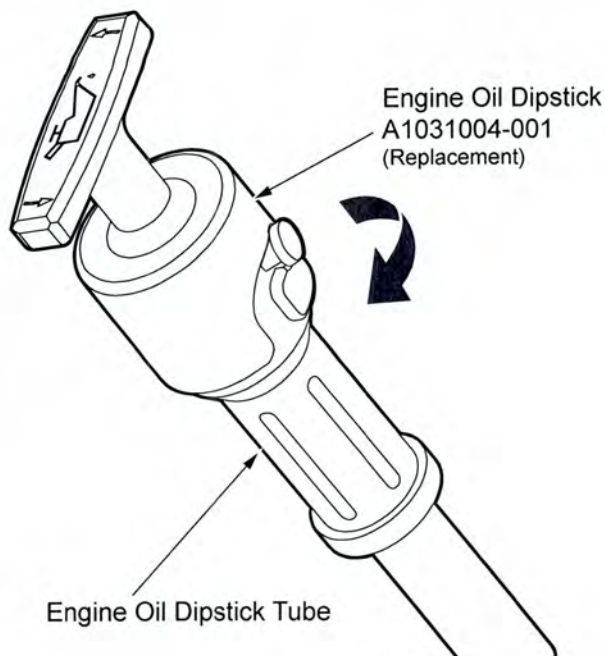


Figure 6

Note: Before operating the vehicle, check the oil level in the engine with the newly installed dipstick. The oil level should be between the minimum and maximum marks on the dipstick. The oil level may need to be drained slightly or oil may need to be added to achieve the proper level.

Do not overfill!

See the engine manufacturer's manual for the proper type of engine oil.

Additional oil is not reimbursable under this Service Program.



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5VCACR7E3AH211281
5VCACL7E7AH211569
5VCA3S7E5BH211663
5VCACR7F9BH211733
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