

**SUBJECT****E46 SULEV (PZEV) Fuel Tanks: New Warranty Parts Return Procedure****MODEL**

E46 (3 Series with the M56 engine)

SITUATION

BMW of North America, LLC (“BMW NA”) will begin offering factory remanufactured fuel tank assemblies for E46 3 Series SULEV (Super Ultra Low Emission Vehicle)/PZEV (Partial Zero Emission Vehicle) model vehicles with the M56 engine.

Starting in March 2014, the initial phase of the remanufacturing process will begin. When this fuel tank is replaced and a corresponding claim is submitted for reimbursement, BMW NA will request to have the fuel tank returned to the Warranty Parts Return Center (WPRC) after claim payment.

Please ensure that your workshop technicians and Parts department personnel handle the removed fuel tank(s) properly to avoid unnecessary damage.

The E46 SULEV (PZEV) Fuel Tank Disposal Procedure outlined in [SI B16 01 04](#) applies only to non-claim related tank replacements. BMW NA will not request that these tanks be returned to the WPRC

IMPORTANT INFORMATION

A “used” fuel tank is eligible for classification as “**UN3363, Dangerous Goods in Apparatus, 9.**” The following requirements apply when shipping:

- There are limitations on the amount of liquid which can remain in the tank: **It MUST be less than 0.5 liters of fuel.**
- The tank must be placed in strong outer packaging; this topic is addressed in the procedure section.
- This package is a hazardous material shipment; you are required to mark the package accordingly, as noted in the procedure section.
- As the shipper, your center is responsible for proper packaging and documentation completion.
- The shipping document requires the UN number, proper shipping name and hazard class (**UN3363, Dangerous goods in apparatus, 9**), the number of packages and total quantity, along with a shipper’s certification and a signature.
- The person preparing and packaging the fuel tank(s) for shipping must have received the hazardous material training per 49CFR 172.702 and the IATA regulations. Those training records must be on file at your center.

The U.S. Department of Transportation (“DOT”) will impose substantial fines and/or penalties on the shipper if the packaging, labeling, or documentation is not properly prepared and the customer’s (center) copy of the hazmat shipping paperwork is not kept on file for a minimum of two (2) years.

PROCEDURE

Your center will receive a “fuel tank return” preparation kit in the box containing the replacement fuel tank.

The kit contains the plugs, caps, labels, absorbing mat and other materials, except for the duct tape, that you will need to secure the fuel tank for packaging and shipping.

The original box that contained the replacement fuel tank will also be needed for the part return process.




Note: It is important to extract as much fuel as possible.

To process the fuel tank for packaging and shipping, the following procedure steps **MUST** be followed as described below:

1. Before removing the fuel tank from the vehicle, extract as much fuel as possible using the procedure described in Repair Instruction 16 11 005, “Draining and filling fuel tank.”
2. Remove the fuel tank as per Repair Instruction 16 11 030, “Removing and installing fuel tank (M56).”
3. **Do not drill any holes into the fuel tank to drain the fuel. The fuel tank must be received 100% intact without any damage.**

After the fuel tank has been removed from the vehicle and is placed on the ground, slightly tilt the fuel tank so that all of the fuel moves to the part of the tank that is closest to the filler neck.

Extract the remaining fuel as described in Repair Instruction 16 11 005, “Draining and filling fuel tank.”

	<p>4. The “fuel tank return” preparation kit includes various plugs, caps and bags for securing the fuel tank.</p>
	<p>5. Reinstall the vehicle’s existing fuel tank filler cap on the removed fuel tank for return shipment.</p> <p>A new fuel tank filler cap will need to be installed on the replacement tank.</p> <p>Bill out this item separately.</p>
	



6. Reconnect the fuel vent hose to the filler neck connection.



7. Cover the connection with duct tape, as shown. (Duct tape is locally sourced.)



8. Insert the red rubber plug from the kit to close the fuel line.

9. Use additional duct tape to secure the red rubber plug to the

fuel line.



10. Install the supplied plastic bag over the end and use a single wire tie to secure the bag.



11. From the kit, apply the Teflon tape to the large metal threaded plug.



12. Insert the threaded plug into the



fuel tank and torque it to 15 Nm.



13. Place the fuel tank on top of the plastic as shown.



14. Wrap the fuel tank in the large plastic bag from the kit as shown

Insert the **sheet of “absorbing mat,”** also from the kit, inside the bag with the fuel tank.

Use the supplied wire tie to secure and seal the open end of the plastic bag.



Reusing the Fuel Tank's Corrugated Box

- To return the removed and “shipping prepared” fuel tank, reuse the corrugated box that contained the replacement fuel tank.
- Pre-tag the corrugated box to identify this item, and secure it in your center’s parts retention area.
- Secure the corrugated box with tape and straps as shown.

DCSnet Part Tag and Packing Slip

- Print and attach the corresponding DCSnet Part Return Tag to the fuel tank.
- Assign the fuel tank part tag to a DCSnet packing slip by itself, and attach it outside the corrugated box.

Assign the fuel tank part tag to a DCSnet packing slip by itself, and attach it outside the corrugated box.

Fuel Tank's Corrugated Box Labeling

- As shown, from the kit, attach the “**UN3363, Dangerous Goods in Apparatus**” label in the upper left corner on the outside of the box. On the same side of the box as the “UN3363” label, attach the Class 9 label in the center.
- **Return the fuel tank to the WPRC through your normal part warranty return freight procedure.**

PARTS INFORMATION

Part Number	Description	Quantity
16 11 6 763 569	Fuel tank, metal with filler pipe	1
16 11 7 222 391	Filler cap	1

WARRANTY INFORMATION

When an E46 3 Series SULEV (PZEV) Fuel Tank replacement is to be reimbursed by BMW NA through a claim submission, please claim the following labor operation and FRU allowance for performing the additional work to process the fuel tank for return to the WPRC.

Defect Code:	Refer to KSD2	Claim with the defect code that applies to the fuel tank replacement
Labor Operation:	Labor Allowance:	Description:
		Work time to process the requested

16 99 000	3 FRU	fuel tank for return to the WPRC as outlined above
-----------	-------	--

This work time labor is for an “associated” repair procedure.

Even though work time labor operation code 16 99 000 ends in “000,” it is not considered a Main labor operation. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

Sublet Materials – Duct Tape

Sublet Code 4	\$1.00	Sublet reimbursement up to the amount listed, charged to sublet code 4, for the length of locally sourced duct tape (Bulk quantity) required to process the fuel tank for return.
---------------	--------	---

[Copyright ©2014 BMW of North America, Inc.]