



Date: April 3, 2009

Contact: Technical Services

Subject: NHTSA Recall # 08V-522 Scarabeo 500-Fuel pump hose & clamps

Service Communication: 2009-005 USA  Designation * RECALL*

Affected Models: Select 2006-2008 Scarabeo 500 models

Affected U.S. Model VIN Range: Please refer to the Aprilia Warranty System (GGP) to confirm the status of VINs affected by this recall.

Concern: Select Scarabeo 500 models from specific production runs may be affected by an improperly fastened fuel hose, located between the fuel pump and the fuel filter. A loose connection at this point could cause a drop in, or loss of, fuel pressure to the engine. If this were to happen, the rider may experience trouble in starting the motorcycle. If started, the rider might experience a decrease in power output, a sudden loss of power or the stalling of the engine.

Correction: The fuel hose in question is located inside the fuel tank, located between the mounting flange/filter and fuel pump, so no signs of fuel leak will be visible. Under this recall, the fuel hose and two hose clamps will be replaced on the VINs included in this recall.

Owner Notification: Each owner of a scooter included in this recall will be notified by first class mail. In this letter Aprilia USA will describe the details of the concern, the cause and the correction addressed by this recall. In addition, Aprilia USA asks that each owner contact an authorized Aprilia dealer to arrange an appointment to have the parts and labor required of this recall completed. Please make every effort to accommodate your recall customers within your existing service schedule. In addition, Aprilia USA has provided each recall customer with details of the TREAD Act Reimbursement program. In short, this program provides a plan to reimburse a customer who has already paid for the same repair or update as described in the recall documents. A copy of the Owner Notification and the TREAD Act Reimbursement letters are attached to this bulletin.

Important Note: Under the National Traffic and Safety Act of 1966 as amended, if there has been a recall campaign, dealers must ensure that all new vehicles and new items of replacement equipment are free of safety defects and comply with all applicable Federal Motor Vehicle Safety Standards at the time of delivery to the customer. This means that dealers may not deliver new motor vehicles or new items of replacement equipment to consumers unless the safety defect or noncompliance has been remedied before delivery.

VIN Identification:

Please poll the GGP warranty system on www.serviceaprilia.com to determine the Scarabeo 500 VINS subject to this recall.

- 1) On www.serviceaprilia.com, select "GGP" under the heading "Warranties"- on left side of home page. Once the GGP portal opens, select "Tech. Update Recall-Campaign", then "Enter Recall Campaign Claim".



- 2) Enter the VIN number under "Frame" and tab down using the TAB key on your keyboard
- 3) Under "Element"- view any recalls/updates that apply.
- 4) If you observe the heading "**Scarabeo 500 Fuel pump hose & clamps**", this particular VIN is subject to the recall.

Depress the back button  to back out of the claim. (Note: Recall/update identification and recall/update claim entry are performed under the same function, so unless you have completed the recall/update do not continue to fill in the blocks to submit the claim. Submit the claim only when the recall/update work has been completed)

IMPORTANT NOTE: If you observe a pop-up message stating, "Vehicle does not belong to Recall Campaign", and you are sure the VIN applies, please contact your technical support representative. In addition, a message stating, "Vehicle is not blocked" means all applicable recalls/updates have been performed and claimed. In addition, past recall/update claims on a vehicle can be viewed under "Warranty", then "View Vehicle Data", then "Maintenance Jobs" in the pop-up window.

IMPORTANT NOTE on PART REQUIREMENTS: Please note that there are two different part kits to complete this recall. Which part kit is used depends on the model and model year of the Scarabeo 500 being updated. The difference can clearly be seen in the VIN prefix. Please see details below:

VIN Prefix ZD4RTC: Qty. 1 of Fuel hose / click clamp kit, part code **641139**.

This VIN prefix applies to the 2006 model year Scarabeo 500 ABS Touring and Scarabeo 500 ABS

VIN Prefix ZD4VRC: Qty. 1 of Fuel hose / click clamp kit, part code **641140**.

This VIN prefix applies to the 2007 and 2008 model year Scarabeo 500, Scarabeo 500 Leggero.

Warranty Claiming:

(Scarabeo 500-Fuel pump hose & clamps)

- 1) Log on to www.serviceaprilia.com using your user name and password. Select "GGP" under the heading "Warranties"- on left side of home page.
- 2) Once the GGP portal opens, select "Tech. Update- Recall Campaign", then "Enter Recall Campaign Claim".
- 3) Enter the VIN number under "Frame" and tab down using the TAB key on your keyboard
- 4) Under "Element"- select "**Scarabeo 500 Fuel pump hose & clamps**"
- 5) Under "Coupon Type" select, "Extraordinary".
- 6) Under "Coupon Number" click the Question mark and a pop-up box will appear. Click on the number of the coupon that applies to the procedure that was performed (1, 2, etc) in the coupon box.

Coupon 1: 641139 kit- 2006 Scarabeo 500

Coupon 2: 641140 kit- 2007-2008 Scarabeo 500

- 7) In the "Km / Mls" box, enter the mileage of the bike.
- 8) In "Document No." enter your in-house repair order number.
- 9) In "Document type" select "invoice".
- 10) Under the "Date Carried Out", enter the date in European format (dd/mm/yyyy)



When you are finished, submit the claim by clicking on the "Diskette Icon"  in the upper left hand corner of the screen.

Reimbursement: For 2006 model **ZD4RTC**: 60 minutes labor plus parts
For 2007-2008 model **ZD4VRC**: 100 minutes labor plus parts

Repair Procedure:

Two different procedures are listed below, based on the VIN prefix. It is recommended that the fuel tank be only partially filled with fuel to prevent unnecessary fuel spillage during the repair procedure.

VIN Prefix ZD4RTC: 2006 Scarabeo 500 ABS

- 1) Remove the central tunnel/floorboard assembly (Refer to workshop manual "Scarabeo 500 ABS M.Y. 2005 English" pages 122-126 for further information, found under "technical documentation", then "workshop manual download", then "production workshop manuals" on serviceaprilias.com)
- 2) Looking between the frame rails, locate the fuel pump assembly at the top of the fuel tank. Disconnect the two quick connect fuel hoses and unplug the electrical connection. (Be careful not to damage the quick connectors)



- 3) Unscrew the fuel pump assembly from the fuel tank by turning the round collar. Raise the fuel pump assembly above the top of the fuel tank. Allow residual fuel to drain into the tank, before moving it away.
- 4) Remove the fuel pump assembly and locate the fuel hose between the fuel pump and filter. Remove the old hose and install the new hose with new hose clamps.

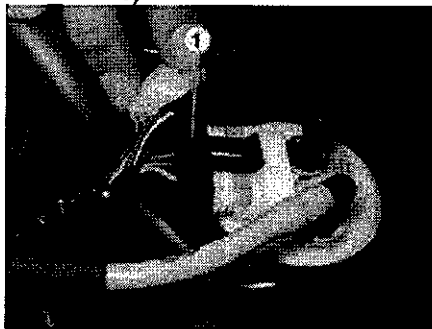
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- 5) Reinstall fuel pump in fuel tank, being sure to fully tighten collar. Re-connect electrical connection and snap the quick connect fuel hoses into pump assembly. (Check integrity of fuel hose connections by gently pulling up and down on the fittings. Hoses should not disconnect or pull away, otherwise they are not fully seated or locked.)
- 6) Before installing bodywork, cycle the key on to activate the fuel pump and check for any leaks at external fuel connections.
- 7) Re-install central tunnel and other plastic assemblies previously removed to gain access.

VIN Prefix ZD4VRC: 2007-2008 Scarabeo 500 Light

- 1) Remove floorboard tunnel and other plastic assemblies to gain access to the fuel tank. (Refer to workshop manual "Scarabeo 500 English 2006.pdf" pages 47-48 found on serviceaprilia.com. Locate this manual by selecting "Technical documentation" then "Workshop Manual Download", then "Production Workshop manuals". This workshop manual is correct, since 2006 is the year the Scarabeo 500 Light was introduced in Europe)
- 2) Looking between the frame rails, locate the fuel pump assembly at the top of the fuel tank. Disconnect the two quick connect fuel hoses and unplug the electrical connection. (Be careful not to damage the quick connectors)

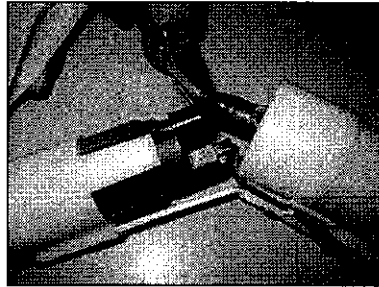


- 3) Unscrew the fuel pump from the fuel tank by turning the round collar. Raise the fuel pump assembly above the top of the fuel tank. Allow residual fuel to drain into the tank, before moving it away.

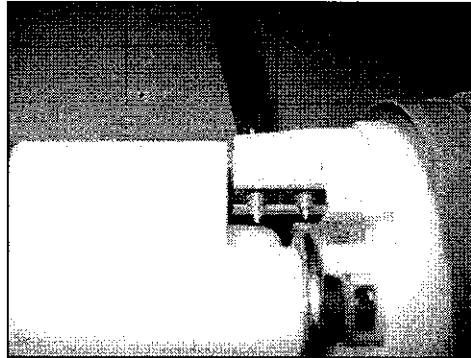
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- 4) Remove the fuel pump assembly. Locate the fuel hose between the fuel pump and fuel filter. Since the 2007-2008 models have a shorter hose and limited clearance for installation, a specific procedure is required for the repair. Follow the procedure below, removing the old hose and installing the new hose with new hose clamps.

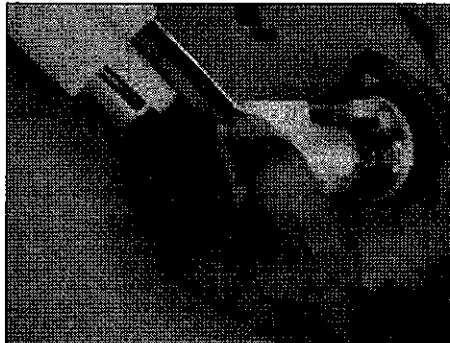
Cut old hose between pump and filter



Remove two screws at top of fuel pump assembly.
Save nut plates for re-assembly



Slide upper section on metal bar to create clearance for new hose installation

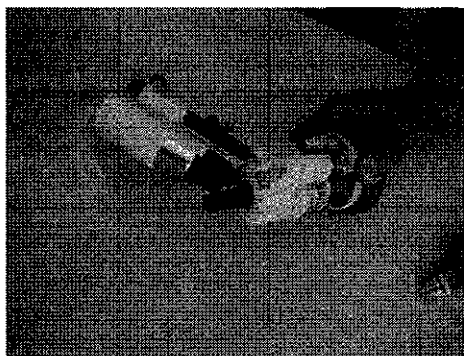


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Lubricate new hose assembly to aid installation

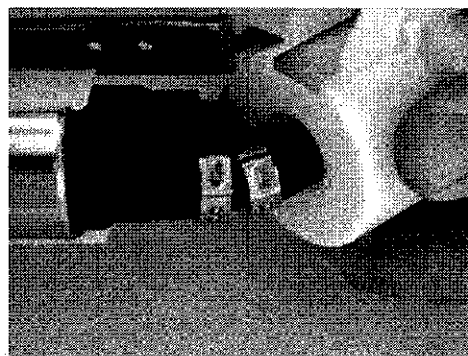


Press new hose on to filter side



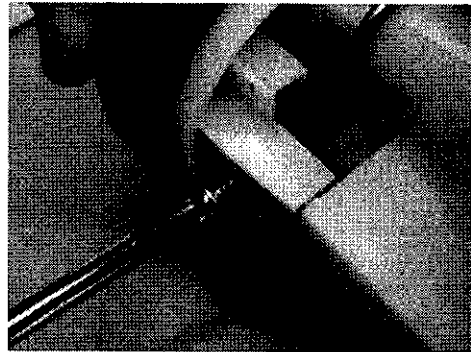
Slide upper section on metal bar toward pump while simultaneously guiding fuel hose on to fuel pump outlet.

Be sure metal clamps are already fitted to hose

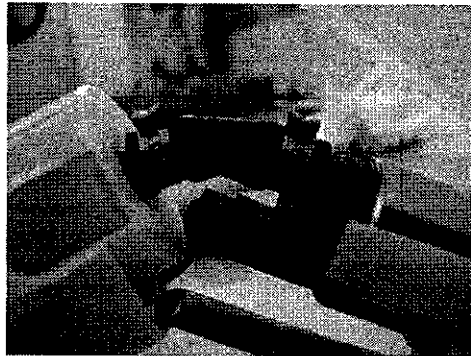


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Re-attach upper section to metal bar using previously removed screws and nut plates. Be certain nut plates are slid into the plastic channel before fitting screws



Position clamps and squeeze metal tangs to tighten hose connections (Use Oetiker type clamping tool)



- 5) Reinstall fuel pump in fuel tank, being sure to fully tighten collar. Re-connect electrical connection and snap the quick connect fuel hoses into pump assembly. (Check integrity of fuel hose connections by gently pulling up and down on the fittings. Hoses should not disconnect or pull away, otherwise they are not fully seated or locked)
- 6) Before installing bodywork, cycle the key on to activate the fuel pump and check for any leaks at external fuel connections.
- 7) Re-install central tunnel and other plastic assemblies previously removed to gain access.



TREAD ACT CUSTOMER REIMBURSEMENT PLAN

Reimbursement for Safety Related Recall Repairs
Effective with Safety related recalls initiated January 15, 2003

Aprilia USA is initiating a safety related recall on a specific VIN range of Aprilia vehicles. If the repair or update, as described in the consumer notification letter for this recall, has previously been completed and paid for by the owner of a vehicle within this VIN range; the owner is entitled to be reimbursed for that expense.

Reimbursement is to be requested through an authorized Aprilia USA dealer. Alternatively, the request for reimbursement may be submitted to the following address:

Aprilia USA
Attn: Customer Care
140, East 45th Street – 17th Floor
New York, NY 10017

In all cases:

- Repair expenses pertaining to the subject of the safety recall are reimbursable, not consequential expenses such as towing, rental, accommodations, damage repairs, etc.
- Expenses from repair facilities outside of the Aprilia USA authorized dealer network will be considered; however, the procedure must meet Aprilia USA standards and use Aprilia original equipment parts.
- When Aprilia original equipment parts are used, the MSRP will be considered as the guideline for reasonable charges.
- Expenses for repairs performed more than 10 days after the date of the last customer notification letter sent by Aprilia USA are not eligible for reimbursement.
- Taxes and hazardous waste disposal, where previously paid, are eligible for reimbursement.
- Aprilia USA will not reimburse for prior repairs that did not use Aprilia original equipment parts.

The Aprilia USA authorized dealer will request a copy of the customer notification letter, a copy of the owner's previously paid invoice and will then inspect the vehicle (if still in the possession of the invoice holder) to determine the scope and quality of the previous repair. Claims will be processed within 60 days of receipt.