



Date: 06/18/2002
Mailed: 06/21/02

Personal Watercraft

Bulletin Number: **PWC-02-04 (A)**
Model Years: **2002**

Safety Bulletin Service Bulletin Service Alert Fax Production Update Kit

Distribution: Owner / Principle Service Manager Sales Manager Parts Manager Technicians

This Service Bulletin is located at www.polarisdealers.com

-Confidential and Proprietary-

SUBJECT: FUEL TANK INSPECTION / REPLACEMENT

| Model(s) Affected | Model Number(s) | Serial Number Range |
|-------------------|------------------|---------------------|
| VIRAGE I | W025101D / C / I | SEE PAGE 4 |
| VIRAGE TXI | W025198D / C / I | SEE PAGE 5 |

PURPOSE:

There is a possibility that there is a small void below the last thread on the fuel pump retaining ring opening. If fuel leaks from the void in the fuel tank into the engine compartment, an explosion may occur which may cause severe injury, property damage or death.

A customer letter will be mailed to ALL registered owners of 2002 Virage i and Virage TXi watercraft that are affected by this bulletin. The letter will instruct them to discontinue using their watercraft and contact any Polaris authorized PWC dealer to make arrangements for repair.

INSPECTION PROCEDURE:

Polaris Industries has developed a kit to pressurize the fuel tank with air to test for any leaks. **IF ANY LEAKS ARE FOUND, THE FUEL TANK MUST BE REPLACED.**

The pressurization kit will be **AUTOMATICALLY** shipped, free of charge, to ALL Polaris PWC dealerships.

| | |
|--|--|
| Kit Part Number & Description | 2202428 (PWC Fuel Tank Pressurization Kit) |
| Quantity | 1 |
| Direct-Ship From Polaris? | YES (Kit will not be charged to the dealership.) |
| To Be Ordered By Dealer? | NO |
| Availability | Shipments to dealers begin June 18, 2002. |

⚠ WARNING

The inspection procedure involves pressurizing the fuel tank to 6 psi. Pressure above 6 psi will result in tank deformation and will require fuel tank replacement. For this reason, do not use high-pressure, compressed air. Polaris recommends using a hand pump similar to a Bell™ High-Volume Floor Pump or bicycle tire pump.

⚠ WARNING

Gasoline is highly flammable and explosive under certain conditions.

- Always exercise extreme caution whenever handling gasoline.
- Do not smoke or allow open flames or sparks in or near the area where refueling is performed or where gasoline is stored.
- If you get gasoline on your skin or clothing, immediately wash it off with soap and water and change clothing.
- Never start the engine or let it run in an enclosed area. Gasoline powered engine exhaust fumes are poisonous and can cause loss of consciousness and death in a short time.

INSPECTION PROCEDURE: CONTINUED - PAGE 2 OF 6

1. Remove the seat and locate the fuel tank vent. Carefully pull the vent assembly through the top deck. *(Photo A)*
2. Remove the Oetiker™ clamp using a Oetiker™ clamp tool or side-cutting pliers. Discard clamp. Remove vent nipple from vent hose.
3. Insert pressurization tool into vent line. *(Photo B)* Attach pump to Schrader™ valve. Tighten fuel cap. Pressurize fuel tank to 6 psi. (41 kPa)
4. With the fuel tank pressurized, monitor the air pressure gauge for at least 30 seconds. During the test, pressure should remain between 4 and 6 psi.
5. If no signs of air leaks are observed, carefully release the pressure by SLOWLY opening the fuel cap and proceed with step #7.
6. If a loss of pressure occurred, make every attempt to isolate the location of the leak prior to removing the fuel tank. If the fuel tank is relieving pressure through the fuel pump threads, proceed with the REPAIR PROCEDURE on page three. If the tank is leaking elsewhere, identify the leak and make the appropriate repair.
7. Remove the pressurization tool from the vent line. Obtain a new panduit strap, PN 7080138.
8. Insert the vent nipple into the vent hose. Verify check valve arrow points away from tank. Secure the nipple with the panduit strap. Reinstall the vent nipple into the top deck.



(Photo A)



(Photo B)

CUSTOMER NOTIFICATION:

Polaris will mail each affected customer a safety bulletin letter asking them to make arrangements with their authorized dealer for bulletin completion.

SERVICE BULLETIN COMPLETION DECAL

Fill out and attach a Service Bulletin Completion Decal, PN 7170107, to the air intake cover. If you require more decals, order them through your normal Polaris parts ordering channels.

WARRANTY CLAIM INFORMATION:

Verify PWC-02-04 is completed on any watercraft transferred to your dealership or shipped from Polaris after receiving this bulletin.

| | |
|--------------------------------|--|
| Service Bulletin Number | PWC-02-04 |
| Claim Type | SB / A single group claim may be submitted listing the serial number and date of repair for all machines with the same model number. |
| Labor Allowance | :30 |
| Parts Used | 0000505 (Labor), 7170107 (Service Bulletin Completion Decal) |

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REPAIR PROCEDURE: PWC-02-04 - PAGE 3 OF 6

If ANY fuel tank leaks are found during the inspection procedure, the fuel tank must be replaced. In order to replace the fuel tank, the engine must be removed.

Reference page 3.27 in the 2002 PWC Service Manual, PN 9917370 for assistance and instruction on removing the engine assembly from the engine compartment.

Always remember to clearly label oil lines, coolant hoses, and electrical connections for reassembly.

Discard any fuel or oil that will need be drained in a appropriate container. Adhere to fuel warnings found both on the first page of this bulletin and throughout the 2002 PWC Service Manual.

WARRANTY CLAIM INFORMATION:

Use the following warranty claim information when you are required to replace the fuel tank. If fuel tank replacement is not required, do not reference this information.

ANY and ALL fuel tanks claimed under warranty, WILL BE recalled to Polaris. For this reason, please retain the original fuel tank package for use when shipping the replaced fuel tank back to Polaris.

Please note that fuel tank replacement requires you to enter a different service bulletin number. The new number for fuel tank replacement is PWC-02-04A

| | |
|--------------------------------|--|
| Service Bulletin Number | PWC-02-04A |
| Claim Type | SB / A single group claim may be submitted listing the serial number and date of repair for all machines with the same model number. |
| Labor Allowance | 5:00 (Per Unit) |
| Parts Used | 5434069 (Fuel Tank), 7170107 (Service Bulletin Completion Decal) |

As with any service bulletin, attach a SERVICE BULLETIN COMPLETION DECAL, PN 7170107 to the throttle body air intake cover. List PWC-02-04A as the completed bulletin.

Sincerely,



Rick Huseman
Manager, National Service Center

2002 Virage i - W025101D / C / I

PLE13870K102
PLE15080L102 - PLE15147L102
PLE15385A202 - PLE15434A202
PLE15464A202 - PLE15538A202
PLE15540A202 - PLE15591A202
PLE15932A202 - PLE16052A202
PLE16300A202
PLE16353A202 - PLE16574B202
PLE16656B202 - PLE16718B202
PLE17122B202 - PLE17271B202
PLE17273B202 - PLE17282B202
PLE17285B202 - PLE17286B202
PLE17288B202 - PLE17298B202
PLE17539B202 - PLE17548B202
PLE17724B202 - PLE17725B202
PLE17727B202 - PLE17772B202
PLE17781B202 - PLE17782B202
PLE17785B202 - PLE17786B202
PLE17791B202 / PLE17802B202 / PLE17810B202
PLE17822B202 - PLE18018C2002
PLE18397C202
PLE18452C202 - PLE18641C202
PLE19014C202 - PLE19021C202
PLE19028C202 - PLE19029C202
PLE19031C202
PLE19035C202 - PLE19142C202
PLE19144C202 - PLE19152C202
PLE19165C202 - PLE19179D202
PLE19181D202 - PLE19187D202
PLE19189D202
PLE19191D202 - PLE19199D202
PLE19202D202 - PLE19204D202
PLE19223D202 - PLE19224D202
PLE19229D202 - PLE19234D202
PLE19921D202 / PLE19923D202 / PLE19924D202
PLE19927D202 / PLE19932D202
PLE19935D202 - PLE19941D202
PLE19944D202 - PLE19945D202
PLE19948D202 - PLE19963D202
PLE19965D202 - PLE19966D202
PLE19968D202
PLE19975D202 - PLE19977D202
PLE19979D202 - PLE19985D202
PLE19988D202 - PLE20016D202
PLE20024D202
PLE20042D202 - PLE20047D202
PLE20101D202
PLE20103D202 - PLE20105D202
PLE20169D202 / PLE201072D202
PLE20174D202 - PLE20178D202
PLE20185D202 / PLE20217D202
PLE20222D202 / PLE20231D202
PLE20244D202 - PLE20245D202
PLE20267D202 - PLE20268D202
PLE20272D202 - PLE20274D202

2002 Virage TXi - W025198D / C / I

PLE13294K102 - PLE13315K102
PLE13317K102 - PLE13318K102
PLE13320K102 - PLE13327K102
PLE13329K102 - PLE13330K102
PLE13333K102 - PLE13336K102
PLE13338K102 - PLE13339K102
PLE13342K102 - PLE13410K102
PLE13413K102 - PLE13418K102
PLE13420K102 - PLE13440K102
PLE13442K102 - PLE13446K102
PLE13518K102 - PLE13522K102
PLE13524K102 - PLE13577K102
PLE13808K102 - PLE13869K102
PLE13871K102 - PLE13896K102
PLE13898K102 - PLE13920K102
PLE13922K102 - PLE14063K102
PLE14410L102 - PLE14416L102
PLE14418L102 - PLE14427L102
PLE14429L102 - PLE14433L102
PLE14436L102
PLE14449L102 - PLE14452L102
PLE14463L102 - PLE14493L102
PLE14495L102 - PLE14719L102
PLE14721L102 - PLE14722L102
PLE14726L102 - PLE14733L102
PLE14736L102
PLE14739L102 - PLE14740L102
PLE14747L102 / PLE14757L102
PLE14760L102 - PLE14761L102
PLE14765L102 - PLE14786L102
PLE15042L102 / PLE15045L102 / PLE15054L102 / PLE15056L102
PLE15067L102 - PLE15076L102
PLE15592A202 - PLE15607A202
PLE15610A202 - PLE15620A202
PLE15876A202 - PLE15931A202
PLE16744B202 - PLE16747B202
PLE16749B202 - PLE16751B202
PLE16753B202 - PLE16786B202
PLE16788B202 - PLE16803B202
PLE16805B202 / PLE16807B202
PLE16932B202 - PLE16966B202
PLE16968B202 - PLE16979B202
PLE16983B202 / PLE16987B202
PLE16996B202 - PLE16997B202
PLE17001B202
PLE17003B202 - PLE17004B202
PLE17006B202 - PLE17016B202
PLE17299B202 - PLE17388B202
PLE17549B202 - PLE17558B202
PLE17611B202 - PLE17661B202
PLE17666B202
PLE17674B202 / PLE17675B202 / PLE17677B202 - PLE17679B202
PLE18027C202
PLE18043C202 - PLE18048C202
PLE18051C202
PLE18059C202 - PLE18076C202
PLE18081C202 - PLE18118C202
PLE18215C202 - PLE18246C202
PLE18254C202 - PLE18256C202
PLE18259C202 / PLE18264C202
PLE18268C202 - PLE18279C202
PLE18688C202 - PLE18703C202
PLE18705C202 - PLE18713C202
PLE18715C202 - PLE18722C202
PLE18725C202 - PLE18728C202
PLE18731C202 - PLE18739C202
PLE18742C202 - PLE18747C202
PLE18749C202 - PLE18752C202
PLE18999C202 - PLE19007C202
PLE19012C202 - PLE19013C202
PLE19237D202 - PLE19239D202
PLE19257D202 - PLE19267D202
PLE19910D202 - PLE19919D202

SAFETY RECALL NOTICE

PLEASE READ IMMEDIATELY

June 17, 2002

Dear Polaris PWC Owner:

Polaris Industries Inc. has discovered a potential defect involving the fuel tanks used on certain 2002 Virage i and Virage TXi Personal Watercraft. Our records indicate that you are the owner of a potentially affected vehicle.

This letter is to inform you that Polaris Industries Inc. believes that some of the fuel tanks used on 2002 Virage i and Virage TXi may have a hole under the fuel pump retaining nut threads. The hole may allow fuel into the engine compartment which may cause a fire or explosion resulting in severe injury, property damage or death. For this reason, Polaris requires the fuel tank be inspected for any leaks. If any leaks are found, the fuel tank must be replaced.

Your authorized Polaris PWC dealer has been issued a Safety Alert Bulletin, which describes this product recall campaign and the required fuel tank inspection and/or repairs. Call your authorized Polaris Dealer and make an appointment to have your PWC inspected. The dealer will inspect the vehicle and if necessary, repair. *This work will be performed at no charge to you.*

DO NOT OPERATE YOUR PERSONAL WATERCRAFT UNTIL ALL REPAIRS HAVE BEEN COMPLETED!

This notice was mailed to you according to the most current information we have available. If you no longer own this vehicle, or some information in this notice is incorrect, please contact Polaris at your earliest convenience.

If you have questions about this notice, or need assistance with contacting a Polaris Dealer, please call 1-800-POLARIS or visit the Polaris web site at www.polarisindustries.com.

We apologize for any inconvenience this may cause you. Thank you for your immediate attention to this matter.

Sincerely,

John H. Zimmerman
Risk Manager
Polaris Sales Inc.