

# SERVICE BULLETIN

B-005

June 9, 1995



## SAFETY RECALL 0802 – FUEL CELL ASSEMBLY

### GENERAL

The Buell Motorcycle Company has determined that there is a safety related defect in the fuel cell assembly of certain 1995 S2-Thunderbolt motorcycles shipped from Buell through May 11, 1995. In some cases, minor gasoline seepage may occur at the mold parting line or at the area where the fuel supply valve attaches to the fuel cell.

As a precautionary measure, Buell Motorcycle Company has elected to initiate a voluntary safety recall campaign in the interest of motor vehicle safety. A letter will be sent to registered owners of all affected vehicles requesting that they bring their motorcycle to their Buell dealer. The fuel cell will be removed from the vehicle and returned to Buell Motorcycle Company for inspection. A tested, structurally secure fuel cell will be returned to the dealer for installation on affected vehicles.

To simplify the fuel cell exchange, we have divided the affected motorcycles into two categories, sold and unsold.

#### 1. FUEL CELLS FROM SOLD VEHICLES

A one-time shipment of new replacement fuel cells will begin on Monday, June 12, 1995. You will receive a minimum of 1 or more fuel cells to help start the process. These cells are to be installed on **customer owned vehicles**.

#### 2. FUEL CELLS FROM UNSOLD VEHICLES

These fuel cells must be removed and sent back to Buell Motorcycle Company for testing. Fuel cells will then be returned to your dealership, labeled to identify the respective vehicle.

### DEALER ACTION, AFFECTED VEHICLES

We have attached a list of registered owners of vehicles and unregistered vehicles delivered to your dealership which are involved in this recall. To ensure the safety of all affected riders, it is your responsibility to perform the required service on all affected vehicles even if the motorcycle was not purchased from your dealership.

If you are not sure that a safety recall has been completed on a particular Buell motorcycle, call the Recall Hot Line at **1-800-448-1708** for a computer check of recall records.

#### IMPORTANT NOTE

**Because only registered owners, as shown on the attached list, will receive notification from Buell Distribution Corporation, we request that you contact any owners of vehicles still listed as unregistered. Advise them of the**

**safety recall and make arrangements for them to come in for recall service. We also require that you provide us with their names, addresses and V.I.N.s as soon as possible. This will enable us to mail them an owner's letter as required by the National Traffic and Motor Vehicle Safety Act, as amended.**

You may begin to remove fuel cells from customer's vehicles prior to receiving the replacement cells. Return all cells to Buell Motorcycle Company for testing with a Parts Return Tag, Part No. 99524-67A attached to the fuel supply valve. Label the tag with your Dealer number, the Vehicle Identification Number (V.I.N.), and customer's name (if applicable). This will help expedite the process.

### REMOVAL

#### WARNING

**Gasoline can be extremely flammable and highly explosive. Do not smoke or allow open flame or sparks when refueling or servicing the fuel system. Inadequate safety precautions may result in serious personal injury and/or property damage.**

1. Turn fuel supply valve OFF.

#### WARNING

**A small amount of gasoline may drain from the fuel line when disconnected from the fuel supply valve. Thoroughly wipe up any spilt fuel immediately and dispose of rags in a suitable manner. Gasoline can be extremely flammable and highly explosive. Inadequate safety precautions may result in serious personal injury and/or property damage.**

2. Remove fuel line and clamp from fuel supply valve. Attach an additional length of fuel line to fuel supply valve fitting. Place free end of fuel line into a suitable, clean container. Turn fuel supply valve to RESERVE. Drain gasoline from cell.
3. Remove seat. See Section 2, SEAT, REMOVAL in the 1995 BUELL S2-THUNDERBOLT SERVICE MANUAL, Part No. 99489-95Y.
4. See Figure 1. Disconnect overflow vent hose (4) from vent valve fitting (5).
5. Remove fuel cell cover. Do not damage cover finish upon removal. See Section 2 of the service manual.

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO:
INITIAL HERE									

©1995 Buell Distribution Corporation

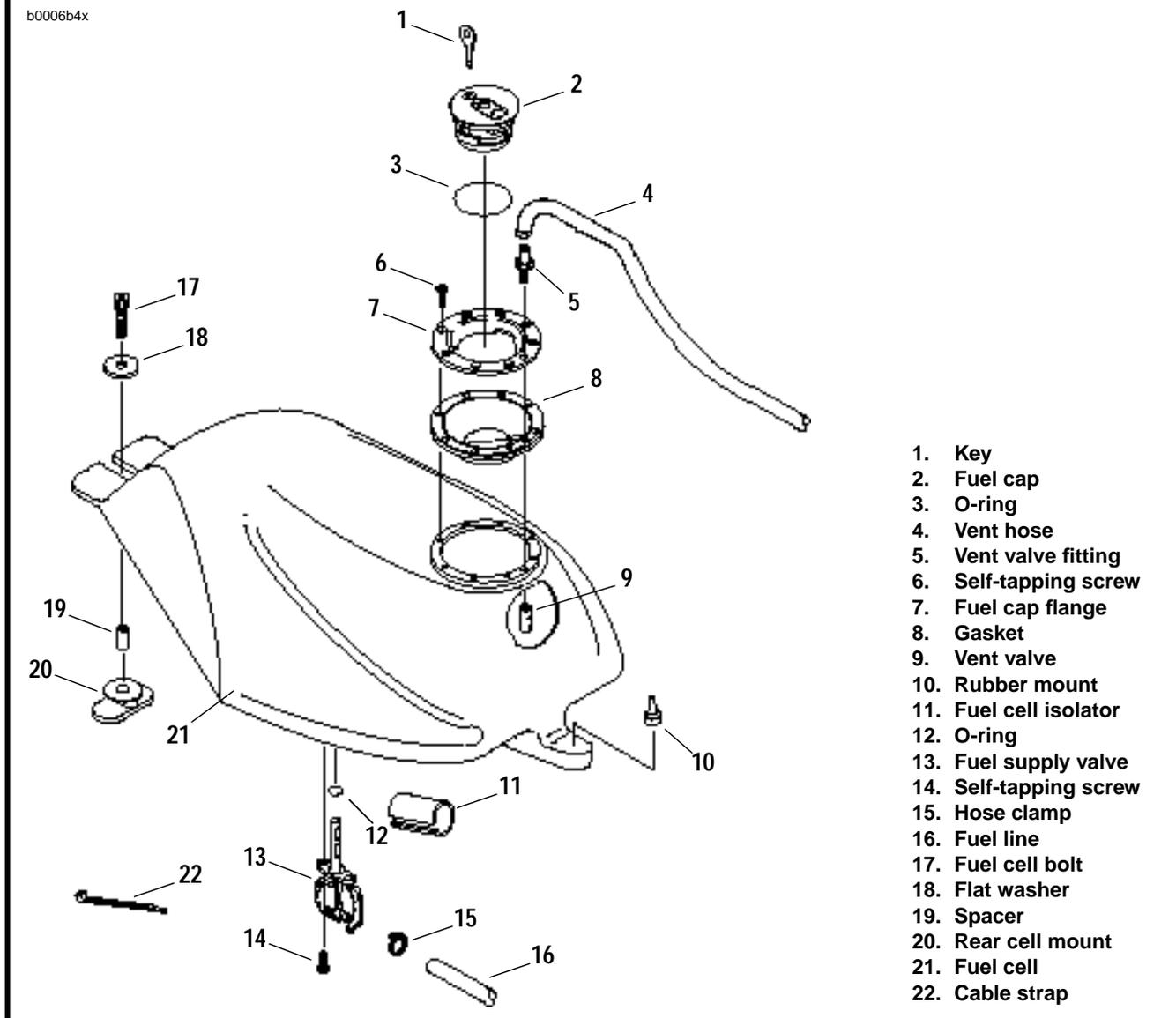


Figure 1. Fuel Cell

6. See Figure 4-14. Remove fuel cell bolt (17) and flat washer (18). Save bolt and flat washer for reinstallation.
7. Lift rear of cell from frame and remove. Do not remove fuel supply valve.
8. Remove fuel cap and save for reinstallation.

## CLEANING AND INSPECTION

### ⚠ WARNING

An open flame or spark may cause a fuel cell explosion if all traces of gasoline are not purged from the cell. Use extreme caution when servicing fuel cells. Inadequate safety precautions may result in serious personal injury and/or property damage.

Clean cell interior with commercial cleaning solvent or a soap and water solution. Plug fuel cell openings. Shake cell to agitate cleaning agent. Thoroughly flush fuel cell after cleaning. Allow cell to air dry.

## SHIPPING INSTRUCTIONS

1. After draining, removing and cleaning the fuel cell, attach a Parts Return Tag, Part No. 99524-67A to the fuel supply valve. Label the tag with your Dealer number, the Vehicle Identification Number (V.I.N.), and customer's name (if applicable). Also indicate if **SOLD** (registered vehicle) or **UNSOLD** (dealer stock vehicle).

### ⚠ CAUTION

- DO NOT send fuel cap. Keep fuel cap for reinstallation.
- Do not put a warranty part return tag or warranty claim form inside the fuel cell.
- Do not use peanut packaging material.
- If possible, utilize the reusable container provided by Buell for each shipment.

### **WARNING**

**Tank must be totally purged of gasoline before shipping. Gasoline can be extremely flammable and highly explosive. Do not smoke or allow open flame or sparks when packing the fuel cell. Inadequate safety precautions may result in serious personal injury and/or property damage.**

2. Pack fuel cell carefully. Use soft nonabrasive filler only. Fill all carton void areas.
3. Complete paperwork. See CREDIT PROCEDURE.
4. Ship fuel cell and paperwork to Buell using the enclosed EMERY airway bill (prepaid) and shipping label.

### **INSTALLATION**

1. See Figure 1. Place fuel cell (21) on frame. Install fuel cell bolt (17) and flat washer (18). Tighten fuel cell bolt to 10-12 ft-lbs (14-16 Nm) torque.

### **CAUTION**

**Be sure that the wiring harness and overflow vent hose are not pinched between fuel cell and frame during cell installation.**

2. Install fuel cell cover. Do not damage cover finish upon installation. See Section 2 of the service manual.
3. Using the **new** cable strap (22, supplied with the replacement cell), connect overflow vent hose (4) to vent valve fitting (5).
4. Carefully inspect fuel line for damage, wear or general deterioration. Replace if necessary.

5. Using the **new** hose clamp (15, supplied with replacement cell), connect fuel line (16) to fuel supply valve. Install hose clamp using HOSE CLAMP PLIERS (Part No. HD-41137).
6. Install seat. See Section 2 of the service manual.
7. Install fuel cap.
8. Fill fuel cell with fuel supply valve (13) turned OFF on all **customer owned** vehicles.
9. Open fuel supply valve and carefully inspect for leaks. Turn valve OFF after inspection is performed.

### **CREDIT PROCEDURE**

For each vehicle affected, complete a Buell Distribution Corporation Warranty Claim Form, Part No. 99520-95Y, referencing Safety Recall 0802 in the "Description of Repair" section. Fill in the rest of the claim as follows. Send the Warranty Claim Form along with the affected tank.

#### *NOTE*

*Please indicate the cost of the customer's gasoline on the Warranty Claim Form. Dealers will be reimbursed for this expense.*

Claim Type	BRC
Problem Part No.	61379-94Y
Quantity	0
Primary Labor Code	2540
Time	0.5 (includes 0.1 admin time)
Customer Concern Code	9901
Condition Code	9110