

- (1) Remove the hose bed, two dividers and containment walls around the tower of the tank.
- (2) Remove the officer side discharge piping through the tank.
- (3) Remove both rear quick fill piping and connections along with the Fireman Friend valves.
- (4) Remove the rear ATP panel around the dump system and rear quick fill in order to gain access to the rear dump system.
- (5)
  - A. Remove the rear dump system from the tank.
  - B. Remove the driver's side dump system from the tank.
  - C. Remove the curb side dump system from the tank.
- (6) Remove any tank restraints.
- (7)
  - A. Remove the front tank to pump connection.
  - B. Remove the front tank fill/bypass flex hose and piping.
  - C. Remove the existing fiber glass tank from the body.
- (8) Measure and draw blueprints for a new 2500-gallon UPF Tee Poly Tank with the following features:
  - A. Curb side 10" square dump flange.
  - B. Driver's side 10" square dump flange.
  - C. One rear 10" square dump flange
  - D. Two rear 2 ½" quick fill flange with the Fireman Friend adapter
  - E. One special pass through 4" on the curb side of tank for the rear officer side discharge piping through the tank.
  - F. One 4" tank to pump connection with 4" NPTF connection
  - G. One 2" front tank fill/bypass 2" NPTF connection
  - H. One anti-surge tower in the center front of tank roof panel.
  - I. One special pass through in the center of the tank for ladders, pike poles with a divider horizontal floor and one vertical divider in the same design as the existing tank.
  - J. Two pike pole tubes in the center storage area of the tank.
  - K. Two floor area tank restraints in order to hold the tank in place.
  - L. Two tank mounting restraint kits from UPF.
  - M. 6" overflow with sump at the tank to pump piping.
  - N. Order tank from UPF
  - O. Freight to AREVS

Tank to have specific configuration and is so designed to be completely independent of the body and compartments. All joints and seams shall be Nitrogen welded and tested for maximum strength and integrity. The top of the tank is fitted with removable lifting eyes designed with a 3 to 1 safety factor to facilitate easy removal. The transverse swash partitions shall extend from approximately 4" off the floor to just under the cover. The longitudinal swash partition will extend from the floor of the tank through the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments with a maximum water flow. All swash partitions interlock with one another and are welded to each other as well as to the walls of the tank.

- (9)
- A. Modify the existing tank grid that is bolted to the chassis frame in order to meet UPF specifications and to incorporate mount tubes for the two mounting block restraint kits.
  - B. Paint the tank grid as needed.
  - C. Supply and install four corner gussets to meet UPF specifications.
  - D. Supply and install ¼" thick 60 durometer rubber on the top of the tank grid to meet UPF specifications.
- (10)
- A. Install the new UPF Poly Tank on the body in the modified tank grid.
  - B. Install the UPF mounting restraint brackets.
- (11) Install the existing officer side rear discharge piping through the new Poly Tank with Victaulic coupling and rubber seal.
- (12) Supply and install a new 2" flex hose with stainless ends and stainless elbow fitting at the tank for the front tank fill and bypass connection.
- (13) Supply and install new rubber boots and piping from the front tank to pump connection.
- (14) Supply and install a new stainless 2 ½" piping for the two rear quick fills with the UPF specified flex joints at the rear of the tank and reuse the existing Fireman Friend valve.
- (15)
- A. Install the existing 10" rear dump valve with new gasket and stainless bolts.
  - B. Install the existing 10" curb side dump valve with new gasket and stainless bolts.
  - C. Install the existing 10" driver's side dump valve with new gasket and stainless bolts.
- (16) Fill the tank with water in order to test for leaks and operation of the three dump valves.
- (17) Install the ATP cover panel at the rear of the body at the rear dump.
- (18) Install the hose bed and dividers.