

◆ **Fuel System Components**

Vehicles powered by gasoline or other flammable liquids will have a number of parts, components and accessories that come into contact with the flammable liquids including, but not limited to:

- charcoal canisters
- fuel pumps, injectors or rails
- gas tanks, filler necks or gas caps
- fuel lines, filters, fuel pressure regulators or fuel pressure senders



Although most of these products do not contain any fuel when shipped as new manufacturing or service parts, most will contain some flammable liquid fuel or residues when offered under a warranty or service parts return program. Accordingly, they must be properly packaged and prepared for transport.



In some cases, fuel pumps, fuel injectors and fuel rails may be shipped as new service parts in a special rust preventative coating which may be classified as a flammable liquid. In some cases, these coatings may contain trace amounts of gasoline or other flammable liquids which are used for testing purposes.

New or used fuel pumps, filters, pressure regulators, injectors, charcoal canisters or other parts, components or accessories which contain small amounts (e.g., less than 500 ml or 16 fluid ounces) of flammable liquid fuel or residues may be transported by ground under the shipping description:

UN3363, DANGEROUS GOODS IN APPARATUS, 9



Automotive hazardous materials shipped as DANGEROUS GOODS IN APPARATUS are entitled to significant regulatory relief.

To take advantage of this regulatory relief, the hazardous materials packages must be properly marked as “DANGEROUS GOODS IN APPARATUS, UN3363” and conform to the provisions of 49 CFR §172.102, Special Provision 136 and the non-bulk packaging provisions of 49 CFR §173.222.

