**12.05.02 FIRE APPARATUS EQUIPMENT PURCHASE, MAINTENANCE, AND REPAIR**

**1.0 REFERENCE**

WAC 296-305-04501

WAC 296-305-04507

**2.0 POLICY**

**2.1** All new fire apparatus with the exception of specialized equipment, shall conform to the following minimum safety standards contained in the 2009 edition of NFPA 1901, Standard for Automotive Fire Apparatus, or the 2006 Edition of NFPA 1906, Standard for Wildland Fire Apparatus.

**2.2** When a fire apparatus is found to be in an unsafe condition, it shall be reported immediately to the officer on duty. If in the officer's determination, the apparatus cannot be used in a safe manner, it shall be taken out of service until it has been restored to a safe operating condition.

**2.3** Used fire apparatus, purchased after the effective date of this rule, weighing 10,000 pounds or more shall conform with the following U.S. Department of Transportation standards, when applicable:

(a) 49 C.F.R. Ch. V (10-03 edition) 571.121 "Air brake systems";

(b) 49 C.F.R. Ch. V (10-03 edition) 571.106 "Brake hoses";

(c) 49 C.F.R. Ch. V (10-03 edition) 571-103 "Hydraulic brake systems."

**2.4** Employers acquiring used apparatus or used equipment shall not be required to bring it under a more stringent code than the one in force at the time the apparatus was manufactured. However, such vehicle must meet applicable U.S. Department of Transportation standards and chapter [296-865](http://app.leg.wa.gov/WAC/default.aspx?cite=296-865) WAC, Motor vehicles.

**2.5** Fire apparatus tailboards and steps shall have a nonskid rough surface.

**2.6** Exhaust systems shall be installed and maintained in proper condition, and shall be so designed as to minimize the exposure of the firefighter to the exhaust gases and fumes.

**2.7** Spinner knobs shall not be attached to the steering handwheel of fire apparatus.

**2.8** The transmission shifting pattern of the apparatus shall be clearly stenciled or labeled and posted so it can be clearly read by the driver while operating the apparatus.

**2.9** The height of any apparatus, over seven feet in height from the ground to the top of the beacon or highest point of the apparatus, shall be clearly labeled in a place where it can be easily and clearly read by the driver while operating the apparatus.

**2.10** All apparatus in excess of 10,000 pounds loaded weight, shall have the weight of the vehicle in pounds and tons clearly labeled in a place where it can be easily and clearly read by the driver while operating the apparatus.

**2.11** All hoses and equipment shall be secured to prevent unintentional or inadvertent deployment.

**2.12** Nonmotorized equipment to be used in emergency response situations on all roadways must comply with Title 46 RCW, Motor vehicles.

**2.13** All repairs to the suppression components of emergency vehicles of the fire department shall be done by an emergency vehicle technician, ASE certified technician or factory qualified individual. Repairs, maintenance or routine work to nonsuppression systems of suppression apparatus or other fire department vehicles and their equipment shall be done by personnel qualified in the specific area of repair. Fire service pumps with a capacity of 499 gallons per minute or less and not used for interior structural firefighting operations are exempt from this requirement.

**2.14** Repairs or preventive maintenance to fire apparatus shall only be made by personnel deemed qualified by our department.

**2.15** All apparatus shall be maintained following the department's preventative maintenance program and records shall be maintained for each individual apparatus to record and track potential or on-going problems. Apparatus shall be maintained and tested in accordance with the manufacturer's recommendations.

*Note: Additional information can be found in the 2007 edition of NFPA 1911, Standard for the Inspection, Maintenance, Testing and Retirement of In-service Automotive Fire Apparatus.*

*Qualifications for persons working on emergency response vehicles can be found in the 2000 edition of NFPA 1071, Standard for Emergency Vehicle Technician Professional Qualification, A.1.1 and A.2.1.*

**3.0 DEFINITIONS**

 N/A

**4.0 RESPONSIBILITY**

 VARIABLE

**5.0 GUIDELINES**

 Manufacturer's recommendations

**6.0 ADDITIONAL REFERENCES**

**7.0 APPENDIX**