§ 383.113 Required skills.

(a) Pre-trip vehicle inspection skills. Applicants for a CDL must possess the following basic pre-trip vehicle inspection skills for the vehicle class that the driver operates or expects to operate:

1. All test vehicles. Applicants must be able to identify each safety-related part on the vehicle and explain what needs to be inspected to ensure a safe operating condition of each part, including:
   i. Engine compartment;
   ii. Cab/engine start;
   iii. Steering;
   iv. Suspension;
   v. Brakes;
   vi. Wheels;
   vii. Side of vehicle;
   viii. Rear of vehicle; and
   ix. Special features of tractor trailer, school bus, or coach/transit bus, if this type of vehicle is being used for the test.

2. Air brake equipped test vehicles. Applicants must demonstrate the following skills with respect to inspection and operation of air brakes:
   i. Locate and verbally identify air brake operating controls and monitoring devices;
   ii. Determine the motor vehicle’s brake system condition for proper adjustments and that air system connections between motor vehicles have been properly made and secured;
   iii. Inspect the low pressure warning device(s) to ensure that they will activate in emergency situations;
   iv. With the engine running, make sure that the system maintains an adequate supply of compressed air;
   v. Determine that required minimum air pressure build up time is within acceptable limits and that required alarms and emergency devices automatically deactivate at the proper pressure level; and
   vi. Operationally check the brake system for proper performance.

(b) Basic vehicle control skills. All applicants for a CDL must possess and demonstrate the following basic motor vehicle control skills for the vehicle class that the driver operates or expects to operate:

1. Ability to start, warm up, and shut down the engine;
§ 383.115 Requirements for double/triple trailers endorsement.

In order to obtain a double/triple trailers endorsement each applicant must have knowledge covering:

(a) Procedures for assembly and hookup of the units;
(b) Proper placement of heaviest trailer;
(c) Handling and stability characteristics including off-tracking, response to steering, sensory feedback, braking, oscillatory sway, rollover in steady turns, and yaw stability in steady turns;
(d) Potential problems in traffic operations, including problems the motor vehicle creates for other motorists due to slower speeds on steep grades, longer passing times, possibility for blocking entry of other motor vehicles on freeways, splash and spray impacts, aerodynamic buffeting, view blockages, and lateral placement; and
(e) Operating practices and procedures not otherwise specified.

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§ 383.117 Requirements for passenger endorsement.

An applicant for the passenger endorsement must satisfy both of the following additional knowledge and skills test requirements.

(a) Knowledge test. All applicants for the passenger endorsement must have knowledge covering the following topics:

(1) Proper procedures for loading/unloading passengers;
(2) Proper use of emergency exits, including push-out windows;
(3) Proper responses to such emergency situations as fires and unruly passengers;
(4) Proper procedures at railroad-highway grade crossings and drawbridges;
(5) Proper braking procedures; and
(6) Operating practices and procedures not otherwise specified.

(b) Skills test. To obtain a passenger endorsement applicable to a specific vehicle class, an applicant must take