

**Response Task Force/C-25 Mobile Command Vehicle**  
**Vehicle Management Code: C341, C342**



**QUALIFICATION TRAINING PACKAGE**

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## **Section 1—OVERVIEW**

### **1.1. Overview.**

1.1.1. Send comments and suggested improvements on Air Force (AF) Form 847, *Recommendation for Change of Publication* through Air Force Installation and Mission Support Center (AFIMSC) functional managers via e-mail at AFIMSC.IZSL.VehicleOps@us.af.mil.

1.1.2. How to use this plan:

1.1.2.1. Instructor:

1.1.2.1.1. Provide overview of training, **Section 2** and **Section 3**.

1.1.2.1.2. Instructor's lesson plan for trainee preparation, give classroom lecture, **Section 4**.

1.1.2.1.3. Instructor's lesson plan for knowledge lecture, **Section 5**.

1.1.2.1.4. Instructor's lesson plan for demonstration, **Section 6**.

1.1.2.1.5. Instructor's lesson plan for performance test evaluation, **Section 7**.

1.1.2.2. Trainee:

1.1.2.2.1. Reads this entire lesson plan prior to starting lecture.

1.1.2.2.2. Follows along with lecture using this lesson plan and its attachments.

1.1.2.2.3. Uses **Attachment 2** and **Attachment 4** as guides for vehicle inspection.

1.1.2.2.4. Takes performance test.

## **Section 2—RESPONSIBILITIES**

### **2.1. Responsibilities.**

2.1.1. The trainee shall:

2.1.1.1. Ensure the trainer explains the Air Force Qualification Training Plan (AFQTP) process and the trainee's responsibilities.

2.1.1.2. Review the AFQTP/Module/Unit with the trainer.

2.1.1.3. The trainee should ask questions if he or she does not understand the objectives for each unit.

2.1.2. Instructor shall:

2.1.2.1. Review the AFQTP with the trainee.

2.1.2.2. Conduct knowledge training with the trainee using the AFQTP.

2.1.2.3. Sign-off the task(s).

### **Section 3—INTRODUCTION**

#### **3.1. Objectives.**

3.1.1. Given lectures, demonstrations, hands-on driving session, trainees will be able to perform operator's inspection and complete the performance test with zero instructor assists.

3.1.1.1. Train and qualify each trainee in safe operation and preventive maintenance of the mobile command vehicle.

3.1.1.2. This training will ensure the trainee becomes a qualified mobile command vehicle operator.

#### **3.2. Desired Learning Outcomes.**

3.2.1. Understand the purpose of the mobile command vehicle and its role in the mission.

3.2.2. Understand the safety precautions to follow during pre-, during-, and post- operation inspections of the mobile command vehicle

3.2.3. Know the proper operator maintenance procedures of the mobile command vehicle IAW applicable technical manual(s) and use of AF Form 1800.

3.2.4. Be completely familiar with the safety features of the mobile command vehicle.

3.2.5. Safely and proficiently operate the mobile command vehicle.

3.2.6. Know the proper operator maintenance procedures of the mobile command vehicle.

#### **3.3. Lesson Duration.**

3.3.1. Recommended instructional and hands-on training time is 10 hours:

**Figure 3.1. Recommended Training Time for Training Activities.**

<b>Training Activity</b>	<b>Training Time</b>
Trainee's Preparation	2 Hours
Instructor's Lecture	2 hours
Instructor's Demonstration	2 Hours
Trainee's Personal Experience (to build confidence and proficiency) <ul style="list-style-type: none"> <li>▪ Perform Operator Maintenance</li> <li>▪ Operate the Vehicle</li> </ul>	3 Hours
Trainee's Performance Evaluation	1 Hour

**Note:** This is a recommended time; training time may be more or less depending how quickly a trainee learns new tasks.

### **3.4. Instructional References.**

3.4.1. Risk Management (RM) and safety principles IAW Air Force Pamphlet (AFPAM) 90-803, *Risk Management (RM) Guidance and Tools*.

3.4.2. Applicable technical manual(s) or Manufacturer's Operator's Manual (see Vehicle Management for technical manual(s) number for vehicle being used in training).

3.4.3. Air Force Manual (AFMAN) 24-306, *Operation of Air Force Government Motor Vehicles*.

3.4.4. AF Form 1800, *Operator's Inspection Guide and Trouble Report*.

3.4.5. Air Force Instruction (AFI) 91-203, *Air Force Consolidated Occupational Safety Instruction*.

3.4.6. AFI 91-207, *The US Air Force Traffic Safety Program*.

3.4.7. AFI 24-302, *Vehicle Management*.

### **3.5. Instructional Training Aids and Equipment.**

3.5.1. Response Task Force/C-25 Mobile Command Vehicle Lesson Plan.

3.5.2. QTP 24-3-PTLHK, *Pintle Hook Vehicle Training Package*.

3.5.3. Response Task Force/C-25 Mobile Command Vehicle.

3.5.4. Applicable technical manual(s) or manufacturer's operator's manual.

3.5.5. AF Form 1800.

3.5.6. Videos (if locally produced).

3.5.7. Suitable training area.

3.5.8. Traffic cones.

## **Section 4—TRAINEE PREPARATION**

### **4.1. Licensing Requirements.**

4.1.1. Trainee must have in his/her possession a valid state driver's license.

4.1.2. AF Form 171, *Request for Driver's Training and Addition to U.S. Government Driver's License* in accordance with (IAW) AFI 24-301, *Ground Transportation*.

4.1.3. Applicable local licensing jurisdiction requirements.

### **4.2. Required Reading.**

4.2.1. Read this entire lesson plan.

4.2.2. Read AFMAN 24-306.

4.2.3. Read manufacturer's operator's manual for the vehicle being trained on.

## **Section 5—KNOWLEDGE LECTURE AND EVALUATION**

### **5.1. Overview of Training and Requirements.**

5.1.1. Training objectives:

5.1.1.1. Given lectures, demonstrations, hands-on driving session, and a performance test, trainees will be able to perform operator's inspection and complete the performance test with zero instructor assists.

5.1.1.2. Train and qualify each trainee in safe operation and preventive maintenance of the mobile command vehicle

5.1.1.3. This training will ensure the trainee becomes a mobile command vehicle operator—an operator who has the knowledge and skills to operate a mobile command vehicle in a safe and proficient manner.

5.1.2. Desired learning outcomes:

5.1.2.1. Understand the purpose of the mobile command vehicle and its role in the mission.

5.1.2.1.1. The mobile command vehicle is a specially developed mobile emergency response vehicle used by Air Force Emergency Management. It is deployed to enhance or reestablish communication and coordination during emergency incidents and special security events.

5.1.2.1.2. Role in the mission (Unit/Base/Community (during natural disasters)/Air Force).

5.1.2.2. Understand the safety precautions to follow during pre-, during-, and post-operation inspections of the mobile command vehicle.

5.1.2.3. Be completely familiar with the safety features of the mobile command vehicle.

5.1.2.4. Safely and proficiently operate the mobile command vehicle.

5.1.2.5. As required, additional training for attachments (varies by location).

5.1.3. Mobile command vehicle design. The design of a mobile command vehicle varies depending on the vehicle manufacturer. Refer to the manufacturer's operator's manual for additional information on the specific to the mobile command vehicle being operated.

5.1.4. The trainee should be able to identify the following components of the mobile command vehicle:

5.1.4.1. Prime mover components.

5.1.4.2. Aft cabin area.

## **5.2. Vehicle Inspection.**

5.2.1. Pre-operation vehicle inspection. Use **Attachment 2** as a 360 walk-around guide along with AF Form 1800.

5.2.2. A Seven-Step Inspection Method will help ensure the inspection is the same each time it is conducted, and that nothing is left out. See **Attachment 4** for the Seven-Step Inspection Method.

5.2.3. Types of Vehicle Inspection. If discrepancies are found the operator must report them to Vehicle Control Official (VCO), the supervisor, and/or vehicle maintenance:

5.2.3.1. Pre-operation inspection – identify items/problems that could cause accidents or breakdowns and ensure equipment is secured.

- 5.2.3.1.1. Vehicle Maintenance may authorize continued use for all other maintenance discrepancies.
- 5.2.3.1.2. Cleanliness/damaged/missing items.
- 5.2.3.1.3. Leaks (fuel/oil/coolant/hydraulic/air).
- 5.2.3.1.4. Fluid levels, ensure levels are within limits:
  - 5.2.3.1.4.1. Engine oil (colored cap).
  - 5.2.3.1.4.2. Coolant.
  - 5.2.3.1.4.3. Power steering fluid.
  - 5.2.3.1.4.4. Transmission fluid (colored cap).
  - 5.2.3.1.4.5. Hydraulic.
- 5.2.3.1.5. Battery. Check fluid, damage, corrosion, secure.
- 5.2.3.2. Ensure the vehicle is plugged in and charging.
  - 5.2.3.2.1. Plug is normally located on the driver's side, beneath the door.
    - 5.2.3.2.1.1. Standard 110V outlet.
    - 5.2.3.2.1.2. Shoreline 220V outlet.
  - 5.2.3.2.2. All wheel rims (cracks, splits, etc.). Check for loose or missing lug nuts.
  - 5.2.3.2.3. All tires (tire pressure and condition).
    - 5.2.3.2.3.1. Proper inflation. **CAUTION** – Notify VCO, your supervisor, and/or vehicle maintenance if split rim requires servicing.
    - 5.2.3.2.3.2. Sidewalls, tread/retreads to include depth, bulges.
    - 5.2.3.2.3.3. Cuts and abrasions.
    - 5.2.3.2.3.4. Lug nuts.
  - 5.2.3.2.4. Mud flaps
  - 5.2.3.2.5. Transmission.



5.2.3.2.5.1. Differential. Damage, wear and leaks.

5.2.3.2.5.2. Drive train. Damage, wear and leaks.

5.2.3.2.6. Drive belts; tension and fraying.

5.2.3.2.7. Air filter(s).

5.2.3.2.8. All hoses and wiring.

5.2.3.2.9. Suspension

5.2.3.2.9.1. Shocks and springs, damage.

5.2.3.2.10. Frame bolts and other fasteners, visual inspection for damage.

5.2.3.2.11. Welds visual inspection for cracks.

5.2.3.2.12. Visual and audible warning devices.

5.2.3.2.13. Hydraulic cylinders, hoses and tubes to ensure that they are in place and show no evidence of damage, cracks or corrosion.

5.2.3.2.14. Storage bin doors properly latched (if applicable).

5.2.3.2.15. Aft cabin area. Exterior/interior visual inspection of the following:

**Note:** This lesson plan pertains to the operation of the prime mover and does not cover the specific components and operation inside the aft cabin systems. Follow additional training per Emergency Management requirements.

5.2.3.2.15.1. Access door(s).

5.2.3.2.15.2. Storage compartments.

5.2.3.2.15.3. Lights (exterior/interior).

5.2.3.2.16. Fuel tank(s) assembly for damage.

5.2.3.2.17. Pintle hook connection/compatibility (if applicable).

5.2.3.2.18. Wiring/lights/reflectors (interior and exterior). Perform operational check of all emergency lights, light bar, turn signals, sirens, and loud speakers

5.2.3.2.19. Mirrors.

5.2.3.2.20. Windshield and windshield wipers/washers.

5.2.3.2.21. Doors.

5.2.3.2.22. Windows.

5.2.3.2.23. Seatbelts.

5.2.3.2.24. Emergency road kit.

5.2.3.2.24.1. Fire extinguisher(s). Properly charged, secured, and inspection is current.

5.2.3.2.24.2. Warning devices (warning triangles and/or flares).

5.2.3.2.24.3. First aid kit, if required.

5.2.3.3. Normal Operational inspection (starting the mobile command vehicle).

5.2.3.3.1. Unplug vehicle from exterior shoreline/200V.

5.2.3.3.2. Turn the master power switch to the “On” position.

5.2.3.3.3. Climb into the driver’s seat and turn the starter switch to the “On” position.

5.2.3.3.4. After you hear 8 distinct sets of clicks and the gauges have gone from the left to the right and back to the left, turn the starter switch fully to the right to start the vehicle.

5.2.3.3.5. Check all gauges and warning lights/indicators for proper operations.

**CAUTION** – Regeneration system (if applicable). Refer to technical manual(s).

5.2.3.3.6. Check for unusual conditions (interior).

5.2.3.3.6.1. Sounds.

5.2.3.3.6.2. Odors.

5.2.3.3.6.3. Vibrations.

5.2.3.3.7. Conduct 360 walk-around; check for unusual conditions (exterior).

5.2.3.3.7.1. Sounds.

5.2.3.3.7.2. Odors.

5.2.3.3.7.3. Vibrations.

5.2.3.3.7.4. Leaks.

5.2.3.3.7.5. Light function.

5.2.3.3.8. Conduct function check of all controls.

5.2.3.3.8.1. Steering wheel.

5.2.3.3.8.2. Shift selector.

5.2.3.3.8.3. Parking brake.

5.2.3.3.8.4. Windshield wipers.

5.2.3.3.8.5. Climate control.

5.2.3.4. Brake check. The trainee must accomplish a brake check before moving the vehicle to ensure brakes operate properly. If equipped with air brakes, perform a function check. Air brake safety devices vary. For safety purposes, in areas where an incline is present, you will use wheel chocks during the air brake check. The proper procedures for inspecting the air brake system are as follows:

5.2.3.4.1. With the air pressure built up to governor cutoff (120 – 140 psi), shut off the engine, chock your wheels if necessary, release the parking brake (all vehicles), and fully apply the foot brake. Hold the foot brake for one minute. Check the air gauge to see if the air pressure drops more than three pounds in one minute.

5.2.3.4.2. Without re-starting the engine, turn electrical power to the “on” or “battery charge” position. Begin fanning off the air pressure by rapidly applying and releasing the foot brake. Low air warning devices (buzzer, light, flag) should activate before air pressure drops below 60 psi or level specified by the manufacturer.

5.2.3.4.3. Continue to fan off the air pressure. The parking brake valve should close (pop out).

5.2.3.5. Sign AF Form 1800. Verify SF 91, *Motor Vehicle Accident Report* and DD Form 518, *Accident Identification Card* are on-hand.

5.2.3.6. Post-operation inspection.

5.2.3.6.1. Check fuel level (< ¾ tank, refuel).

5.2.3.6.2. Check diesel exhaust fluid (DEF) level (< ¾ tank, refill) (if equipped).

- 5.2.3.6.3. Ensure vehicle and components are cleaned.
- 5.2.3.6.4. Park vehicle. Ensure transmission in neutral, apply parking brake.
- 5.2.3.6.5. Follow manufacturer's shut-down procedures.
- 5.2.3.6.6. Shut off lights and accessories.
- 5.2.3.6.7. Drain air tanks.
- 5.2.3.6.8. Post 360 walk-around. Check for leaks and damage.

### **5.3. Vehicle Safety and Equipment.**

#### 5.3.1. Hazards and human Factors:

5.3.1.1. Vehicle data plate.

5.3.1.2. Load capabilities/overload/load placement.

5.3.1.2.1. Gross Vehicle Weight Rating (GVWR) = Truck Weight + Tools + Cargo Weight. **CAUTION** – Do NOT exceed the Gross Vehicle Weight of the dump.

5.3.1.3. Plan your route.

5.3.1.3.1. Overhead clearance. Check the clearance height of the vehicle relative to the overhead obstructions such as power lines, trees, and bridges (especially when raising the bed). For minimum allowable distances between equipment and electrical transmission line(s), consult 29 CFR 1411(b) (5) (i), Table T.

**CAUTION** – If you do come into contact with overhead power lines, remain in the vehicle. Have someone contact exterior electric and the fire department immediately.

5.3.1.3.2. Width restrictions/construction zones, over-the-road.

5.3.1.3.3. Weight restriction (roads, bridges, off -road conditions).

5.3.1.3.4. Inclines.

5.3.1.3.5. Uneven ground.

5.3.1.3.6. Soft surfaces.

### 5.3.2. Safety clothing and equipment:

- 5.3.2.1. Safety steel-toed boots must be worn.
- 5.3.2.2. Hearing protection.
- 5.3.2.3. Inclement weather gear, if needed.
- 5.3.2.4. Reflective belt during hours of reduced visibility and on flightline.
- 5.3.2.5. First aid kit.
- 5.3.2.6. Cones.
- 5.3.2.7. Tire gauge.
- 5.3.2.8. Fire extinguisher.
- 5.3.2.9. AF Form 1800, SF 91 and DD Form 518.

## **5.4. Driving Safety and Precautions.**

### 5.4.1. Mobile command vehicle operations.

#### 5.4.1.1. Safe operation.

- 5.4.1.1.1. Turn all radio equipment off before starting the engine. A power surge might occur and damage the radio.
- 5.4.1.1.2. Turn off engine if any instrument readings are not normal. Failure to do so may result in engine damage.
- 5.4.1.1.3. Do not operate the vehicle if there are indications that it has been operated with less than 50% of its oil capacity.
- 5.4.1.1.4. Any unusual vehicle noises should be inspected and cleared by an experienced vehicle maintenance technician.
- 5.4.1.1.5. Ensure the driving light switch is in the "Stop Light" position as a minimum when operating the vehicle. In the "Off" position, all service lights are inoperative.
- 5.4.1.1.6. Inspect and adjust seat belt straps. Remove slack from belt when worn. Seat belts have non-locking retractors. Injury may result if not used and adjusted properly.

5.4.1.1.7. When parking on a grade, apply the parking brake and choke the tires. Be sure to turn off all light switches to prevent the batteries from discharging when not in use.

#### 5.4.1.2. Over the road operation.

5.4.1.2.1. Greater vehicle weight. The operator needs to consider the combined weight of the mobile command vehicle and the load. This will affect the following:

5.4.1.2.1.1. Operator's ability to stop. Do not tailgate the vehicle in front. Allow more distance between vehicles in order to increase reaction time.

5.4.1.2.1.2. Vehicle's ability to accelerate/follow the flow of traffic. Accelerate smoothly and gradually so the truck does not jerk. Rough acceleration causes unnecessary, premature mechanical damage to the truck's drive train. Maintain a safe speed.

5.4.1.2.2. Downgrades/upgrades. The operator will use lower gears more frequently to climb hills or mountains with increasing grade steepness, length and/or heavy load weight. Plan ahead to identify downgrades/upgrades on the route of travel. If possible, talk to other drivers who are familiar with the grades to find out what speeds are safe. When encountering downgrades/upgrades as described, the operator will need to address:

5.4.1.2.2.1. Speed. On downgrades gravity causes the speed of the vehicle to increase. The operator must select an appropriate safe speed, use a low gear, and proper backing techniques. The operator must go slow enough so as to not overheat the truck brakes.

5.4.1.2.2.2. Stopping. If the brakes become too hot, they may start to "fade". This means the operator will need to apply the brakes harder and harder to acquire equivalent stopping power.

5.4.1.2.3. Sharp turns. Slow down before entering the turn. During the turn, avoid sharp sudden movements with the steering wheel. This reduces the chance of shifting the load in the tank, and also prevents the possibility of tipping over due to the higher center of gravity.

5.4.1.2.4. Surroundings. Operating a mobile command vehicle requires the operator's constant attention. Many situations can be avoided by simply paying close attention to the surrounding conditions. Road signs such as "steep Grade", "low clearance", "sharp turn ahead", and special speed limits are posted for the driver's safety.

#### 5.4.2. Backing.

5.4.2.1. Always use a trained spotter and hand signals.

**CAUTION** – Do not depend solely on the vehicle’s “Back-up” camera to back the vehicle. A spotter is still required.

5.4.2.2. Back slowly and keep the spotter in view at all times. If the operator loses sight of the spotter, the operator must immediately stop the vehicle.

5.4.2.3. See AFMAN 24-306 for standard AF spotter hand signals and additional guidance on spotter safety.

#### 5.4.3. Tire changing safety.

5.4.3.1. Consider where the vehicle is located. If on a bridge, curve, road with no shoulder, etc.; it is safer to move a vehicle on a flat tire to a safe location.

5.4.3.2. Find a location with a firm and level surface for the jack and jack stand.

5.4.3.3. Turn on the four-way flashers.

5.4.3.4. Set parking brake.

5.4.3.5. Place warning triangles or flares.

5.4.3.6. Block the wheels. If changing a front tire, block the rear wheels. If changing a rear tire, block the front wheels.

5.4.3.7. As required, place dunnage or cribbage under the jack and/or jack stand.

**CAUTION** – Notify VCO, your supervisor, and/or vehicle maintenance if split rim requires servicing.

### **5.5. Vehicle Operation.**

#### 5.5.1. General vehicle operations.

5.5.1.1. Complete a pre-operation vehicle inspection.

5.5.1.2. Sign the current AF Form 1800.

5.5.1.3. Climb into the vehicle. Use three points of contact.

5.5.1.4. Adjust the seat and mirrors as needed; fasten seat belt.

#### 5.5.2. Starting the mobile command vehicle.

5.5.2.1. Unplug vehicle from exterior shoreline/200V.

5.5.2.2. Turn the master power switch to the “On” position.

5.5.2.3. Climb into the driver’s seat and turn the starter switch to the “On” position.

5.5.2.4. After you hear 8 distinct sets of clicks and the gauges have gone from the left to the right and back to the left, turn the starter switch fully to the right to start the vehicle.

5.5.2.5. Check all gauges and warning lights/indicators for proper operations.

5.5.2.6. Regeneration system (if applicable). Refer to technical manual(s).

5.5.2.7. Check for unusual conditions (interior).

5.5.2.7.1. Sounds.

5.5.2.7.2. Odors.

5.5.2.7.3. Vibrations.

5.5.2.7.4. Conduct 360 walk-around; check for unusual conditions (exterior).

5.5.2.7.4.1. Sounds.

5.5.2.7.4.2. Odors.

5.5.2.7.4.3. Leaks.

5.5.2.7.4.4. Light function.

5.5.3. Moving the vehicle.

5.5.3.1. Before placing the vehicle in motion, ensure the doors are closed and everyone has a seat belt on.

5.5.3.2. Brake check – ensure brakes operate properly. Refer to **Paragraph 5.2.**

5.5.3.3. Place your foot on the brake, select the appropriate gear.

5.5.3.4. Make sure to check traffic conditions before pulling out.

5.5.4. Backing the mobile command vehicle.

5.5.4.1. Always use a spotter when backing. The operator must maintain constant visual contact with the spotter at all times. If visual contact is lost, the operator will immediately



stop the vehicle. See AFMAN 24-306 for additional guidance on spotter safety and for AF standard spotter hand signals.

5.5.5. End of duty day.

5.5.5.1. Perform post-operation procedures as described in **Paragraph 5.2.**

## **Section 6—EXPLANATION AND DEMONSTRATION.**

### **6.1. Instructor's Preparation.**

6.1.1. Establish a training location.

6.1.2. Obtain appropriate vehicle operator's manual.

6.1.3. Schedule/reserve a vehicle.

6.1.4. Ensure trainee completes AF Form 171.

### **6.2. Safety Procedures and Equipment.**

6.2.1. The following safety items should be followed by both the instructor and trainee.

6.2.1.1. Chock wheel (if required) when mobile command vehicle is parked.

6.2.1.2. Remove all jewelry and identification tags.

6.2.1.3. Personal protective equipment (PPE) and equipment items.

6.2.1.3.1. Steel-toed boots must be worn.

6.2.1.3.2. Gloves will be worn during cargo loading and unloading, and servicing.

6.2.1.3.3. Hearing protection, as required.

6.2.1.3.4. Inclement weather gear, if needed

6.2.1.3.5. Reflective belt during hours of reduced visibility or on the flightline

6.2.1.3.6. Warning triangles.

6.2.1.4. The trainer and the trainee should conduct a 360 walk-around the vehicle to become familiar with all warning labels and signs.

6.2.1.5. Properly adjust driver's seat and all mirrors.

6.2.1.6. Ensure trainee wears seat belts.

6.2.1.7. Throughout demonstration, practice mobile command vehicle operations safety.

6.2.2. Practice basic AF RM process during demonstration:

6.2.2.1. Identify hazards.

6.2.2.2. Assess hazards.

6.2.2.3. Develop controls and make decisions.

6.2.2.4. Implement controls.

6.2.2.5. Supervise and evaluate.

### **6.3. Operator Maintenance Demonstration.**

6.3.1. With trainee, accomplish vehicle inspection using AF Form 1800. The vehicle inspection will follow the seven-step method as described in **Attachment 4**. An inspection guide (**Attachment 2**) can be used to ensure all areas of the mobile command vehicle are covered in addition to the “Operation Demonstration” guidelines provided below.

6.3.2. Complete air brakes test. Refer to **Paragraph 5.2**.

### **6.4. Operation Demonstration.**

6.4.1. Throughout demonstration:

6.4.1.1. Allow for questions.

6.4.1.2. Repeat demonstrations as needed.

6.4.2. For the mobile command vehicle, within the training area, demonstrate and explain the following. **Note:** Use information contained on the data plate and/or the operator’s manual:

6.4.2.1. Point out the items to be inspected during operations.

6.4.3. Demonstrate the following mobile command vehicle operations:

6.4.3.1. Forward.

6.4.3.2. Turning.

6.4.3.3. Stopping.

6.4.3.4. Backing, (use spotter when backing).

6.4.3.5. Parking.

6.4.4. Demonstrate/discuss post-operation requirements.

6.4.4.1. Ensure vehicle components are cleaned.

6.4.4.2. Check fuel level. If there is  $< \frac{3}{4}$  tank, refuel vehicle.

6.4.4.3. Check DEF level. If there is  $< \frac{3}{4}$  tank, refill (if applicable).

6.4.4.4. Park.

6.4.4.4.1. Place transmission in neutral.

6.4.4.4.2. Apply parking brake.

6.4.4.5. Follow manufacturer's shut-down procedures.

6.4.4.6. Shut off lights and accessories.

6.4.4.7. Drain air tanks.

6.4.4.8. Perform a 360 walk-around inspection. Check for leaks and damage. Ensure all hoses and attachments are stowed.

6.4.4.9. Annotate any discrepancies found on AF Form 1800.

6.4.5. Conclude by allowing time for questions and any requested re-demonstrations.

## **Section 7—TRAINEE PERFORMANCE AND EVALUATION**

### **7.1. Trainee Performance Demonstration.**

7.1.1. Instructor will:

7.1.1.1. Ensure safety at all times. **Note:** Stop training when safety items are violated. Proceed only when the trainee fully understands how to avoid repeating the safety infraction(s).

7.1.1.1.1. Chock wheel (if required) when mobile command vehicle is parked.

7.1.1.1.2. Remove all jewelry and identification tags.

7.1.1.2. PPE and other items:

- 7.1.1.2.1. Steel-toed boots must be worn.
- 7.1.1.2.2. Gloves will be worn during cargo loading and unloading.
- 7.1.1.2.3. Warning triangles.
- 7.1.1.2.4. Inclement weather gear, if needed.
- 7.1.1.2.5. Hearing protection, as required.
- 7.1.1.2.6. Reflective belt during hours of reduced visibility or on the flightline.
- 7.1.1.3. Pay particular attention to the cautions and warnings listed in the operator's manual.
- 7.1.1.4. Ensure trainee wears seat belt.
- 7.1.1.5. Properly adjust driver's seat and all mirrors.
- 7.1.1.6. Mobile command vehicle safety items/procedures.
- 7.1.1.7. Ensure the driver is aware of driving situations he/she is to perform.
- 7.1.1.8. Conduct during/after-action reviews with the trainee. (Demonstration may need to be re-accomplished).

#### 7.1.2. Trainee Performance Demonstration.

- 7.1.2.1. Conduct operator maintenance (have trainee explain items being inspected).

**Note:** Allow trainee to use **Attachment 2** as a guide while performing inspection.

- 7.1.2.1.1. Pre-operation inspection.
- 7.1.2.1.2. Air brakes test.
- 7.1.2.1.3. During-operation inspection.
- 7.1.2.2. Ensure AF Form 1800 is properly documented.
  - 7.1.2.2.1. Understand and explain mobile command vehicle gauges, switches, levers and buttons.

7.1.2.2.2. Establish a road course that will have the following: (if the course does not have one of the following, then the trainee should be able to explain the correct driving techniques).

7.1.2.2.2.1. Forward.

7.1.2.2.2.2. Stopping.

7.1.2.2.2.3. Turning

7.1.2.2.2.4. Backing.

7.1.2.2.2.5. Parking.

7.1.2.2.3. Perform post-operation inspection.

7.1.2.2.3.1. Ensure vehicle components are cleaned.

7.1.2.2.3.2. Check fuel level. If there is  $< \frac{3}{4}$  tank, refuel the vehicle.

7.1.2.2.3.3. Check diesel exhaust fluid level (if applicable).

7.1.2.2.3.4. Following manufacturer's shut-down procedures.

7.1.2.2.3.5. Park.

7.1.2.2.3.5.1. Place transmission in neutral.

7.1.2.2.3.5.2. Apply parking brake.

7.1.2.2.3.6. Engine cool down (3-5 minutes), shut off lights and accessories.

7.1.2.2.3.7. Drain air tanks.

7.1.2.2.3.8. Perform a 360 walk-around inspection checking for leaks and damage.

## **7.2. Performance Evaluation.**

7.2.1. Trainee will perform performance evaluation found in **Attachment 3**.

7.2.1.1. Instructor and trainee will review **Attachment 3**.

7.2.1.2. Instructor will answer trainee's questions.

**Note:** If available, mark vehicle with magnetic sign indicating "Driver-in-Training" or "Trainee Operator".

7.2.2. Instructor will:

7.2.2.1. Ensure safety at all times.

7.2.2.1.1. Place wheel chocks (if required) when mobile command vehicle is parked,

7.2.2.1.2. Remove all jewelry and identification tags.

7.2.2.2. Personal protective equipment and other items.

7.2.2.2.1. Steel-toed boots must be worn.

7.2.2.2.2. Gloves will be worn during cargo loading and unloading.

7.2.2.2.3. Warning triangles.

7.2.2.2.4. Inclement weather gear, if needed.

7.2.2.2.5. Hearing protection, as required.

7.2.2.2.6. Reflective belt during hours of reduced visibility or on the flightline.

7.2.2.3. Pay particular attention to the cautions and warnings listed in the operator's manual.

7.2.2.4. Ensure trainee wears seat belt.

7.2.2.5. Properly adjust driver's seat and all mirrors (if available).

7.2.2.6. Mobile command vehicle safety items/procedures.

7.2.3. Explain driving techniques.

7.2.4. Establish a road course that will have the following: (if the course does not have one of the following, then the trainee should be able to explain the correct driving techniques).

7.2.4.1. Forward.

7.2.4.2. Stopping.

7.2.4.3. Turning.

7.2.4.4. Backing.

7.2.4.5. Parking.

7.2.5. Ensure the driver is aware of driving situations.

7.2.6. Conduct after-action reviews with the trainee.

7.2.7. Trainee is not allowed any instructor assists to pass performance evaluation.

7.2.8. Evaluation checklist provided in **Attachment 3**.

7.2.9. Retraining; retrain No-Go's.

7.2.9.1. Re-demonstrate "No-Go" items.

7.2.9.2. Have trainee re-perform until they show proficiency in operating.

7.2.9.3. Re-evaluate.

## **Attachment 1**

### **GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION**

#### ***References***

**AFI 24-301**, *Ground Transportation*, 1 November 2018

**AFI 24-302**, *Vehicle Management*, 26 June 2012

**AFI 91-203**, *Air Force Consolidated Occupational Safety Instruction*, 15 June 2012

**AFI 91-207**, *The US Air Force Traffic Safety Program*, 16 February 2017

**AFMAN 24-306**, *Operation of Air Force Government Motor Vehicles*, 9 December 2016

**AFPAM 90-803**, *Risk Management (RM) Guidance and Tools*, 11 February 2013

#### ***Adopted Forms***

**AF Form 171**, *Request for Driver's Training and Addition to U.S. Government Driver's License*, 1 November 2018

**AF Form 847**, *Recommendation for Change of Publication*, 22 September 2009

**AF Form 1800**, *Operator's Inspection Guide and Trouble Report*, 1 April 2010

#### ***Abbreviations and Acronyms***

**AF**—Air Force

**AFI**—Air Force Instruction

**AFIMSC**—Air Force Installation Mission Support Center

**AFMAN**—Air Force Manual

**AFPAM**—Air Force Pamphlet

**AFQTP**—Air Force Qualification Training Plan

**GVWR**—Gross Vehicle Weight Rating

**IAW**—In Accordance With

**PPE**—Personal Protective Equipment

**RM**—Risk Management

**TO**—Technical Order

**VCO**—Vehicle Control Official



## Attachment 2

### RESPONSE TASK FORCE/C-25 MOBILE COMMAND VEHICLE INSPECTION GUIDE

#### GENERAL

##### STEP 1. VEHICLE OVERVIEW

- Paperwork
  - AF Form 1800, SF 91, DD Form 518
  - Discrepancy Correction Complete (VM Annotation)
- Vehicle Approach
  - Cleanliness/Damaged/Missing Items
  - Vehicle Leaning
  - Fresh Leakage of Fluids
  - Hazards Surrounding Vehicle

#### INTERNAL

##### STEP 2. ENGINE COMPARTMENT

- Leaks/Hoses/Electrical Wiring Insulation
  - Engine Oil Level
  - Coolant Level
  - Power Steering Fluid
  - Transmission Fluid
  - Antifreeze
  - Chassis
  - Hydraulic
- Battery

##### STEP 3. ENGINE START/CAB CHECK (LEFT/FRONT/RIGHT)

- Safe Start
- Gauges
  - Oil Pressure Gauge
  - Air Pressure Gauge
  - Temperature Gauge (Coolant/Engine Oil)
  - Ammeter/Voltmeter
- Warning Lights & Buzzers
- Mirrors & Windshield
- Wipers/Washers
- Emergency & Safety Equipment
  - Red Reflective Triangles
  - Properly Charged & Rated Fire Extinguisher

- Optional (Chains/Tire Changing Equip, Emergency Phone List)
- 3B** – Lights/Reflectors/Reflector Tape Condition (Front/Sides/Rear)

(Dash Indicators for:)

- Left Turn Signal
- Right Turn Signal
- Four-Way Emergency Flashers
- High Beam Headlight
- Headlights
- Taillights
- Backing Lights
- Brake Lights
- Red Reflectors & Amber Reflectors
- Reflective Tape Condition
- Horn
- Heater/Defroster
- Brakes
  - Parking Brake Check
  - Hydraulic Brake Check
  - Air Brake Check (if equipped)
  - Service Brake Check
  - Safety Belt

(TURN-OFF ENGINE/TURN-ON HEADLIGHTS \*LOW BEAM\* AND FOUR-WAY FLASHERS)

#### STEP 4. WALK-AROUND INSPECTION

- 4A** – Steering
  - Steering Box/Hoses
  - Steering Linkages
- 4B** – Suspension
  - Springs/Air/Torque
  - Mounts
  - Shock Absorbers
- 4C** – Brakes
  - Slack Adjustors & Pushrods
  - Brake Chambers
  - Brake Hoses/Lines
  - Drum Brake
  - Brake Linings
- 4D** – Wheels
  - Rims
  - Tires
  - Mud Flaps.
  - Lug Nuts

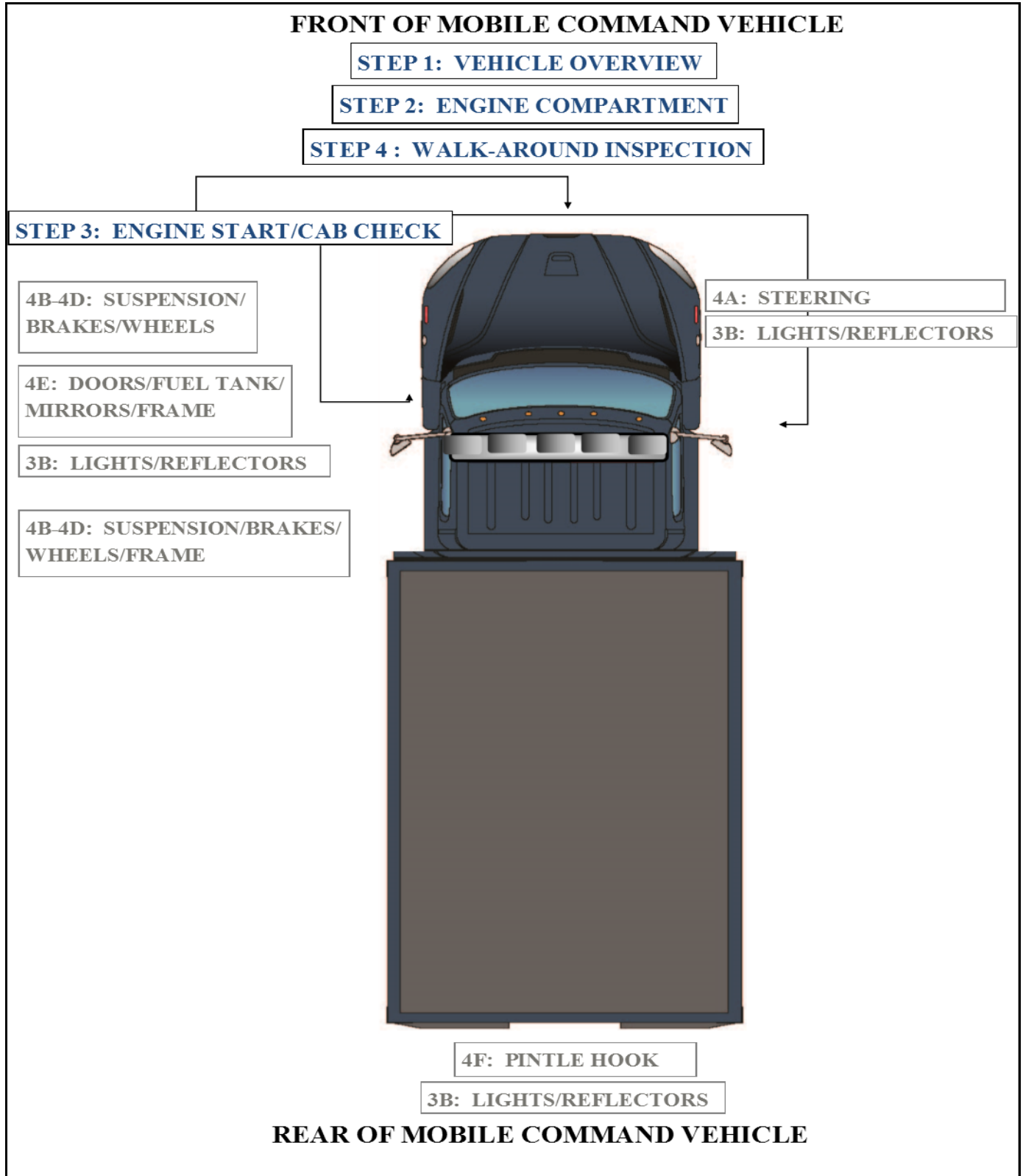
SIDE OF VEHICLE

- 4E** – Doors
- 4E** – Mirrors
- 4E** – Fuel Tank

REAR OF VEHICLE

- 4F** – Pintle Hook

Figure A2.1. Response Task Force/C-25 Mobile Command Vehicle Inspection Guide.



## Attachment 3

### PERFORMANCE TEST

#### **A3.1. Desired Learning Outcome.**

A3.1.1. Understand the safety precautions to be followed for pre-operations, operation, and post-operation of the mobile command vehicle.

A3.1.2. Understand the purpose of the mobile command vehicle and its mission.

A3.1.3. Know the proper operator maintenance procedures of the mobile command vehicle IAW applicable technical orders and use of AF Form 1800.

A3.1.4. Safely and proficiently operate the mobile command vehicle.

**A3.2. Instructions.** Before beginning the performance test, the trainer will brief the trainee on the scenario that will need to be accomplished. He/she will be given additional directions and instructions as needed throughout the scenario.

#### **A3.3. Scoring.**

A3.3.1. The trainer examiner will be scoring the trainee on mobile command vehicle operations and also the general safe driving practices. The examiner will give directions and instructions to the trainee in sufficient time for him/her to execute a driving maneuver. They will not be asked to drive in an unsafe manner.

A3.3.2. The examiner will be making various marks on the performance test checklist. This does not necessarily mean anything has been done wrong. It is in the best interest to concentrate on the operation of the mobile command vehicle. The trainer will explain the test results at the conclusion of the performance test.

A3.3.3. Tasks being graded are listed on the following page; the trainee will be required to successfully pass all items.

A3.3.4. The instructor will stop the test at any time safe operations are not being followed or as deemed necessary for safety concerns.

**Figure A3.1. Performance Test Checklist:**

<b>PERFORMANCE TEST</b>			
<b>Trainees Name:</b>		<b>Date:</b>	
<b>Event</b>	<b>Go</b>	<b>No Go</b>	<b>Notes</b>
<b>1. PRE, DURING, AND POST- OPERATION INSPECTION</b>			
1.1. Operator has required Personal Protective Equipment.			
1.2. Follows general pattern of pre-trip checklist.			
1.3. Performs brake component check			
1.4. Signs AF Form 1800 to signify accomplishment of complete inspection.			
1.5. Cleans windshield, windows, mirrors, lights and reflectors			
1.6. Continues during operations inspection checks.			
1.7. Knows use of jacks, tools, emergency devices, tire chains, fire extinguishers, etc.			
1.8. Performs post trip inspection and reports malfunctions to Vehicle Management.			
<b>Event</b>	<b>Go</b>	<b>No Go</b>	<b>Notes</b>
<b>2. BASIC CONTROL AND VEHICLE OPERATION</b>			
2.1. Safety belt is used; obeys all traffic signs, signals, and laws; completes test without an accident or moving violation.			
2.2. Avoids jerky starts and stops.			
2.3. Does not cut corners sharply.			
2.4. Maintains proper speed and space.			
2.5. Ensure proper mobile command vehicle safety practices. List safety violations.			
2.6. Turns - checks traffic in all directions; uses turn signals and safely get into the lane needed for the turn; slows down smoothly, changes gears as needed to keep power; checks mirrors to ensure proper clearance; vehicle should not move into oncoming traffic.			

2.7. Stopping - decelerates smoothly, brakes evenly, changes gears as necessary; brings vehicle to a full stop without coasting.			
2.8. Starting - checks traffic, avoids jerky starts.			
<b>Event</b>	<b>Go</b>	<b>No Go</b>	<b>Notes</b>
<b>3. KNOWLEDGE OF VEHICLE AND USE OF CONTROLS</b>			
3.1. Engine:			
Uses proper starting procedures			
Allows proper warm-up.			
Understands all gauges.			
Uses proper shutdown procedures.			
Basic knowledge of engines.			
3.2. Clutch and Transmission.			
Understands proper clutching techniques.			
Uses clutch properly through all gears.			
Shifts smoothly.			
Time shifts properly.			
Avoids riding the clutch.			
Proper use of tachometer and shifting range.			
Avoids bumping the governor.			
3.3. Brakes and Braking Techniques			
Understands the principles of an air brake system.			
Knows proper use of the protection valve.			
Knows proper use of the hand valve.			
Understands the low air warning.			
Uses proper techniques on downgrades.			
Understands the principle of front wheel limiting switch.			
Proper use of parking brake.			
Ensures air tank is at full tank pressure prior to moving the vehicle.			
Performs brake check before pulling out.			

Event	Go	No Go	Notes
<b>4. BACKING/PARKING</b>			
4.1. Backing.			
Positions properly.			
Inspects before backing.			
Uses spotters properly.			
Uses mirrors properly.			
Avoids blind side backing.			
Controls speed.			
4.2. Parking			
Checks traffic position before parking.			
Secures vehicle properly.			
Parks legally and safely.			
Uses emergency devices, if required.			
<b>CERTIFIER COMMENTS:</b>			



## Attachment 4

### SEVEN-STEP INSPECTION PROCESS

**Figure A4.1. Seven-Step Inspection Process.**

<b>Seven-Step Inspection Process</b>	
<b>Step</b>	<b>Procedure</b>
1. Vehicle Overview	<ul style="list-style-type: none"> <li>• Review the AF Form 1800.</li> <li>○ Ensure any discrepancy has been corrected.</li> <li>○ Vehicle Management annotated the discrepancy was completed.</li> <li>○ Approaching the vehicle.</li> <li>○ Damage or vehicle leaning to one side.</li> <li>○ Fresh leakage of fluids.</li> <li>○ Hazards around vehicle.</li> </ul>
2. Check Engine Compartment	<p><b>Note:</b> Check that the parking brakes are on and/or wheels chocked. The operator may have to raise the hood, tilt the cab (secure loose things so they don't fall and break something), or open the engine compartment door.</p> <ul style="list-style-type: none"> <li>• Check the following:               <ul style="list-style-type: none"> <li>○ Engine oil level.</li> <li>○ Coolant level in radiator; condition of hoses.</li> <li>○ Power steering fluid level; hose condition (if so equipped).</li> <li>○ Windshield washer fluid level.</li> <li>○ Battery fluid level, connections and tie-downs (battery may be located elsewhere).</li> <li>○ Automatic transmission fluid level (may require engine to be running).</li> <li>○ Check belts for tightness and excessive wear (alternator, water pump, air compressor)--learn how much "give" the belts should have when adjusted right.</li> <li>○ Leaks in the engine compartment (fuel, coolant, oil, power steering fluid, hydraulic fluid, battery fluid).</li> <li>○ Cracked, worn electrical wiring insulation.</li> </ul> </li> </ul>

3. Start Engine and Inspect Inside the Cab  
(Get in and Start Engine)

- Make sure parking brake is on.
  - Put gearshift in neutral (or park if automatic). Start engine; listen for unusual noises.
  - If equipped, check the Anti-lock Braking System (ABS) indicator lights. Light on dash should come on and then turn-off. If it stays on the ABS is not working properly.
- Note:** For trailers only, if the yellow light on the left rear of the trailer stays on, the ABS is not working properly.
- Look at the gauges.
  - Oil pressure. Should come up to normal within seconds after engine is started.
  - Air pressure. Pressure should build from 50 to 90 psi within 3 minutes. Build air pressure to governor cut-out (usually around 120 – 140 psi. Know the vehicle's requirements.
  - Ammeter and/or voltmeter. Should be in normal range(s).
  - Coolant temperature. Should begin gradual rise to normal operating range.
  - Engine oil temperature. Should begin gradual rise to normal operating range.
  - Warning lights and buzzers. Oil, coolant, charging circuit warning, and antilock brake system lights should go out right away.
  - Check Condition of Controls. Check all of the following for looseness, sticking, damage, or improper setting:
    - Steering wheel.
    - Clutch.
    - Accelerator (gas pedal).
    - Brake controls.
    - Foot brake.
    - Trailer brake (if vehicle has one).
    - Parking brake.
    - Retarder controls (if vehicle has them).
    - Transmission controls.

	<ul style="list-style-type: none"> <li>○ Interaxle differential lock (if vehicle has one).</li> <li>○ Horn(s).</li> <li>○ Windshield wiper/washer.</li> <li>○ Lights.</li> <li>○ Headlights.</li> <li>○ Dimmer switch.</li> <li>○ Turn signal.</li> <li>○ Four-way flashers.</li> <li>○ Parking – clearance – identification – marker switch (switches).</li> <li>● Check mirrors and windshield.</li> <li>○ Inspect mirrors and windshield for cracks, dirt, illegal stickers, or other obstructions to seeing clearly. Clean and adjust as necessary.</li> <li>● Check emergency equipment.</li> <li>○ Check for safety equipment:</li> <li>○ Spare electrical fuses (unless vehicle has circuit breakers).</li> <li>○ Three red reflective triangles, 6 fuses or 3 liquid burning flares.</li> <li>○ Properly charged and rated fire extinguisher. Check for optional items such as:</li> <li>○ Chains (where winter conditions require).</li> <li>○ Tire changing equipment.</li> <li>○ List of emergency phone numbers</li> <li>○ Accident reporting kit (packet).</li> <li>○ Check safety belt. Check that the safety belt is securely mounted, adjusts; latches properly and is not ripped or frayed.</li> </ul>
4. Turn-off Engine	<ul style="list-style-type: none"> <li>● Make sure the parking brake is set, turn-off the engine, and take the key with.</li> <li>● Turn-on headlights (low beams) and four-way emergency flashers, and get out of the vehicle.</li> </ul>

## 5. Do Walk-Around Inspection

- General.
  - Go to front of vehicle and check that low beams are on and both of the four-way flashers are working.
  - Push dimmer switch and check that high beams work.
  - Turn-off headlights and four-way emergency flashers.
  - Turn-on parking, clearance, side-marker, and identification lights.
  - Turn-on right turn signal, and start walk-around inspection.
  - Walk around and inspect.
  - Clean all lights, reflectors, and glass as while doing the walk-around inspection.
- Left front side.
  - Driver's door glass should be clean.
  - Door latches or locks should work properly.
- Left front wheel.
  - Condition of wheel and rim--missing, bent, broken studs, clamps, lugs, or any signs of misalignment.
  - Condition of tires--properly inflated, valve stem and cap OK, no serious cuts, bulges, or tread wear.
  - Use wrench to test rust-streaked lug nuts, indicating looseness.
  - Hub oil level OK, no leaks. Left front suspension.
  - Condition of spring, spring hangers, shackles,
  - U-bolts.
  - Shock absorber condition.
- Left front brake.
  - Condition of brake drum or disc.
  - Condition of hoses.
- Front.
  - Condition of front axle. Condition of steering system.

	<ul style="list-style-type: none"> <li>○ No loose, worn, bent, damaged or missing parts.</li> <li>○ Must grabsteering mechanism to test for looseness.</li> <li>○ Condition of windshield.</li> <li>○ Check for damage and clean if dirty.</li> <li>○ Check windshield wiper arms for proper spring tension.</li> <li>○ Check wiper blades for damage, "stiff" rubber, and securement.</li> <li>○ Lights and reflectors.</li> <li>○ Parking, clearance, and identification lights clean, operating, and proper color (amber at front).</li> <li>○ Reflectors clean and proper color (amber at front).</li> <li>○ Right front turn signal light clean, operating, and proper color (amber or white on signals facing forward).</li> <li>● Right side <ul style="list-style-type: none"> <li>○ Right front: check all items as done on left front.</li> <li>○ Primary and secondary safety cab locks engaged (if cab-over-engine design).</li> <li>○ Right fuel tank(s).</li> <li>○ Securely mounted, not damaged, or leaking. Fuel crossover line secure.</li> <li>○ Tank(s) contain enough fuel. Cap(s) on and secure.</li> <li>○ Condition of visible parts. Rear of engine--not leaking. Transmission--not leaking.</li> <li>○ Exhaust system--secure, not leaking, not touching wires, fuel, or air-lines.</li> <li>○ Frame and cross members--no bends or cracks.</li> <li>○ Air-lines and electrical wiring--secured against snagging, rubbing, wearing.</li> <li>○ Spare tire carrier or rack not damaged (if so equipped).</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"><li>○ Spare tire and/or wheel securely mounted in rack.</li><li>○ Spare tire and wheel adequate (proper size, properly inflated).</li><li>○ Cargo securement (trucks).</li><li>○ Curbside cargo compartment doors in good condition, securely closed, latched/locked and required security seals in place.</li><li>● Right rear.<ul style="list-style-type: none"><li>○ Condition of wheels and rims--no missing, bent, or broken spacers, studs, clamps, or lugs.</li><li>○ Condition of tires--properly inflated, valve stems and caps OK, no serious cuts, bulges, tread wear, tires not rubbing each other, and nothing stuck between them.</li><li>○ Tires same type, e.g., not mixed radial and bias types.</li><li>○ Tires evenly matched (same sizes). Wheel bearing/seals not leaking.</li><li>○ Suspension.</li><li>○ Condition of spring(s), spring hangers, shackles, and U-bolts.</li><li>○ Axle secure.</li><li>○ Powered axle(s) not leaking lube (gear oil). Condition of torque rod arms, bushings.</li><li>○ Condition of shock absorber(s).</li><li>○ If retractable axle equipped, check condition of lift mechanism. If air powered, check for leaks.</li><li>○ Condition of air ride components.</li><li>○ Brakes.</li><li>○ Brake adjustment.</li><li>○ Condition of brake drum(s) or discs.</li><li>○ Condition of hoses--look for any wear due to rubbing.</li><li>○ Lights and reflectors.</li></ul></li></ul>
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	<ul style="list-style-type: none"><li>○ Side-marker lights clean, operating, and proper color (red at rear, others amber).</li><li>○ Side-marker reflectors clean and proper color (red at rear, others amber).</li><li>● Rear.<ul style="list-style-type: none"><li>○ Lights and reflectors.</li><li>○ Rear clearance and identification lights clean, operating, and proper color (red at rear).</li><li>○ Reflectors clean and proper color (red at rear).</li><li>○ Taillights clean, operating, and proper color (red at rear).</li><li>○ Right rear turn signal operating, and proper color (red, yellow, or amber at rear).</li><li>○ License plate(s) present, clean, and secured.</li><li>○ Splash guards present, not damaged, properly fastened, not dragging on ground, or rubbing tires.</li><li>○ Cargo secure (trucks).</li><li>○ Rear doors securely closed, latched/locked.</li></ul></li><li>● Left side.<ul style="list-style-type: none"><li>○ Check all items as done on right side, plus:</li><li>○ Battery (batteries) (if not mounted in engine compartment).</li><li>○ Battery box (boxes) securely mounted to vehicle. Box has secure cover.</li><li>○ Battery (batteries) secured against movement. Battery (batteries) not broken or leaking.</li><li>○ Fluid in battery (batteries) at proper level (except maintenance-free type).</li><li>○ Cell caps present and securely tightened (except maintenance-free type).</li><li>○ Vents in cell caps free of foreign material (except maintenance-free type).</li></ul></li></ul>
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<p>6. Check Signal Lights</p>	<ul style="list-style-type: none"> <li>• Get in and turn-off all lights.</li> <li>• Turn-on stop lights (apply trailer hand brake or have a helper put on the brake pedal).</li> <li>• Turn-on left turn signal lights.</li> <li>• Get out and check lights.</li> <li>• Left front turn signal light clean, operating and proper color (amber or white on signals facing the front).</li> <li>• Left rear turn signal light and both stop lights clean operating, and proper color (red, yellow, or amber).</li> <li>• Get in vehicle. <ul style="list-style-type: none"> <li>○ Turn-off lights not needed for driving.</li> <li>○ Check for all required papers, trip manifests, permits, etc.</li> <li>○ Secure all loose articles in cab (they might interfere with operation of the controls or hit the operator in a crash).</li> <li>○ Start the engine.</li> </ul> </li> </ul>
<p>7. Start the Engine and Check Test for Hydraulic Leaks</p>	<ul style="list-style-type: none"> <li>• Test for hydraulic leaks. <ul style="list-style-type: none"> <li>○ If the vehicle has hydraulic brakes, pump the brake pedal three times.</li> <li>○ Then apply firm pressure to the pedal and hold for five seconds.</li> <li>○ The pedal should not move. If it does, there may be a leak or other problem.</li> </ul> </li> <li>• Brake system.</li> <li>• Test parking brake. <ul style="list-style-type: none"> <li>○ Fasten safety belt.</li> <li>○ Set parking brake (power unit only). Release trailer parking brake (if applicable). Place vehicle into a low gear.</li> <li>○ Gently pull forward against parking brake to make sure the parking brake holds.</li> <li>○ Repeat the same steps for the trailer with trailer parking brake set and power unit parking brakes released (if applicable).</li> <li>○ If it doesn't hold vehicle, it is faulty; get it fixed.</li> </ul> </li> </ul>



- Test service brake stopping action.
  - Go about 5 miles per hour.
  - Push brake pedal firmly.
  - "Pulling" to one side or the other can mean brake trouble.
  - Any unusual brake pedal "feel" or delayed stopping action can mean trouble.
  - If the trainee finds anything unsafe during the Vehicle inspection, get it fixed. Federal and state laws forbid operating an unsafe vehicle.
- Check vehicle operation regularly:
  - Instruments.
  - Air pressure gauge (if the vehicle has air brakes). Temperature gauges.
  - Pressure gauges. Ammeter/voltmeter.
  - Mirrors.
  - Tires.
  - Cargo, cargo covers. Lights, etc.
  - If the trainee sees, hears, smells, or feels anything that might mean trouble, he/she should check it out.
- Safety inspection.
  - Drivers of trucks and truck tractors when transporting cargo must inspect the securement of the cargo within the first 50 miles of a trip and every 150 miles or every 3 hours (whichever comes first) after.
- Document any discrepancy on AF Form 1800. Sign-off AF Form 1800 to signify accomplishment of inspection.