

Vehicle Inspection and Maintenance

1. What are the most common hazards when driving?
 - a. How does your module manage these risks?
 - b. How do these risks differ during night operations?
2. Reference the Risk Management Process in the *NWCG Incident Response Pocket Guide (IRPG)*, PMS 461.
 - a. Discuss as a group one of the following scenarios and how you would apply the risk management process as it applies to driving:
 - i. Caravanning through a highly populated city during rush hour.
 - ii. Traversing steep, loose soil while navigating to specific drop point.
 - iii. Ingress & egress during Wildland Urban Interface (WUI) operations.
3. What preventative maintenance oversights lead to vehicle malfunctions and accidents?
 - a. Discuss what components of your vehicle must be inspected regularly (e.g., engine oil, tire pressure, windshield wiper fluid, power steering fluid).
 - b. How does your module track vehicle maintenance and inspections?
 - c. How do you check for equipment safety issues and recalls? How often?
 - d. What resources do you use answer questions about your vehicle?
4. What vehicle process should everyone on your module be familiar with (e.g., how to move specific module vehicles in an emergency, how to start the engine pump)?

- a. Determine an opportunity for crew members to practice this skill.
 - b. Compare and contrast driving hazards during fire operations and driving to the incident (e.g., high speed travel vs. low range, 2-1 rest ratio considerations, fatigue).
5. What is the specific process of engaging and disengaging four-wheel drive in the specific vehicles that you will be operating on your module?
 - a. When should you engage the four-wheel drive?
 - b. Should you take additional risks or assignments because your vehicle does have four-wheel drive (why or why not)?
6. Discuss the specific order of operations in starting and stopping the engine's water pump.
 - a. Do all crew members know how to operate the engine pump? How could you cross-train to ensure all crew members understand how to maintain the engine pump (e.g., preventative maintenance, pressure tests, winterization)?
 - b. Do adjacent resources at your district know how to operate the engine pump in case of emergency?
7. The US DOT estimates that there were 42,915 vehicle fatalities in 2021. How do you integrate facets of defensive driving and preventative maintenance into the personal vehicle you use to commute to and from work?