

## Study Tips

# 2022 Denver Fire Engineer Practical

Candidate preparation is a critical part to the success of any promotional process. Our goal in communicating the following study tips is to create a sense of transparency and fairness, while giving all candidates an opportunity to prepare. The practical exam is designed to test critical knowledge, skills, and abilities related to performing the job of Engineer. For the 2022 Denver Fire Engineer Practical exam, subject matter experts have identified the following study tips to help candidates prepare:

- You may be asked to operate the apparatus in reverse without backers.
- Practice driving both rigs (Engine and Aerial).
- If an unsafe condition is caused by you, the exercise will be stopped until the condition is rectified. During this time, the exercise timer will remain active and points will be deducted as appropriate.
- If you are not responsible for the unsafe condition, you will not be penalized and the timer will be stopped until the condition is resolved. There are no unsafe conditions that have been purposely incorporated in the testing process.
- Knowledge and application of DFD Driver Operator JPR for Apparatus Inspection (JPR-D01).
- When positioning the apparatus, consider the objective(s), including any ground and overhead instructions. Think real life, do not get tunneled into a 90 degree spot to your objective.
- When operating the aerial if you are comfortable doing so, it is ok to operate two functions at once showing mastery of skill and proficiency.
- During the Aerial exercise, you may step off the turntable but not the apparatus.
- Knowledge and application of aerial backup systems and emergency overrides.
- If the rater determines you will make contact with the building, it will be considered a contact with the building and will result in deduction of points.
- For Window Rescue, the closest structural component of the ladder should be **between 6 - 12 inches or less from the windowsill.**
- For Roof Operations, the position of the tip of the ladder must be **between 5 - 7 rungs above the roof.**
- For the Driving exercise, crossing over the course boundary or striking cones will result in the deduction of points.
- Proper spotting of the engine for hydrant operations.
- For the Driving exercise, you must drive in a continuous motion without stopping.
- You must maintain an appropriate driving position behind the wheel and cannot lean out the window.

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- For the Pumping exercise, allowing the pump to go into low supply and return to idle will result in a deduction of points.
- Settings for the pumping discharge should be within (+/-) 5 PSI.