

TENSTAR

simulation



EXERCISES WHEEL EXCAVATOR

EXERCISE	PURPOSE	DESCRIPTION	FEATURES
EXCAVATOR INTRODUCTION			
1.1 Excavator setup	The aim of the exercise is to learn the construction of the machine and the names of the most important parts.	Specific part names will appear on screen in this exercise, when shown; click on the corresponding part of the vehicle.	
1.3 Steps before driving	The aim of the exercise is to learn what safety measures are required before driving an excavator.	The exercises involves reporting any and all flaws or abnormalites with the machine before driving.	
1.5 Steps after driving	The aim of the exercise is to learn what safety measures are required after driving an excavator.	The exercises involves doing maintainance on the machine after driving. Look for damages and grease all moving parts.	
1.7 Function of the levers	The aim of the exercise is to learn the functions of the levers.	Use this exercise to learn what stickmovment responds to what functions on the machine.	



DRIVING EXCERCISES			
2.1 Driving in mapped track between cones	The aim of the exercise is to learn to transport/move the machine with precision.	The exercise involves a timed drive along a track marked out by cones without knocking over the cones.	
2.2 Driving "backwards" between cones	The aim of the exercise is to learn to transport/move the machine with precision with the machine in backwards direction.		
2.3 Driving amongst moving obstacles	The aim of the exercise is to learn to transport/move the machine with precision, at the same time paying attention to movable obstacles.	The exercise involves a timed drive along a track marked out by cones, coping with unforeseen movable obstacles.	



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EXERCISE	PURPOSE	DESCRIPTION	FEATURES
EXCAVATION ARM EXERCISES			
3.1 Levers maneuvering	The aim of the exercise is to practise coordination in the use of the levers.	The exercise involves loading a hauler to practice basic movements for digging.	
3.2 Button functions of the levers	The aim here is to practise coordination in the use of the levers. The practice relates to the button functions for rotors, tilts and grabbers.	The exercise involves using the grabber to move cubes and place them on a plate.	
3.3 Grabber	The aim of the exercise is to practise coordination in the use of the levers. The practice relates to the button functions for the grabber.	The exercise involves using the grabber to move logs from their original position to a new position.	
3.5 Switching aggregates	The aim here is to learn to change the bucket in a smooth, secure way.	The exercise involves fitting and removing attachments and placing them in the designated place.	
3.6 Bucket precision	The aim here is to learn to follow an even plane with a clean-up bucket.	The exercise involves using a clean-up bucket to follow the bottom of three different deep boxes with as little movement as possible both vertically and laterally.	
3.7 Pallet handling	The aim of the exercise is to learn to handle pallets.	The exercise involves using pallet forks to stack a number of pallets so that the pallets lie edge to edge.	
3.8 Pallets handling and loading	The aim of the exercise is to practise pallet-handling skills.	The exercise involves driving with pallets and leaving them in various places one at a time.	
SAFETY EXERCISES WITH AFA			
4.1 Unloading a truck	The aim of the exercise is to learn to work in environments with movable and fixed obstacles and to unload a truck containing pallets and a truck containing concrete pipes and concrete rings.	The trucks must be unloaded with focus on safety throughout the exercise.	
4.2 Placing objects in shaft	The aim here is to use the excavator to lift and carry heavy objects and then place these objects with precision in an environment with authorised and unauthorised persons.	The exercise must be carried out with the focus on safety.	
4.3 Placing pallets	The aim of the exercise is to lift and position pallets in a stressful traffic situation.	Pallets with concrete plates will be placed on the pavements where the site work is going on. The focus must be on safety throughout the exercise.	
4.4 Multi-exercise in safety	The aim here is to practise working with the machine in a safe way, carrying out several work tasks in sequence and in the right order.	The exercise is a combination of safety exercise 4.1, 4.2 and 4.3.	

Developed by



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LearnVirtual Eutorpe Kft.

3200 Gyöngyös
7. Táncsics M.

HUNGARY

Tel.: +36-20/929-2026
e-mail: info@learnvirtual.eu
web: www.learnvirtual.eu