T-shore Education

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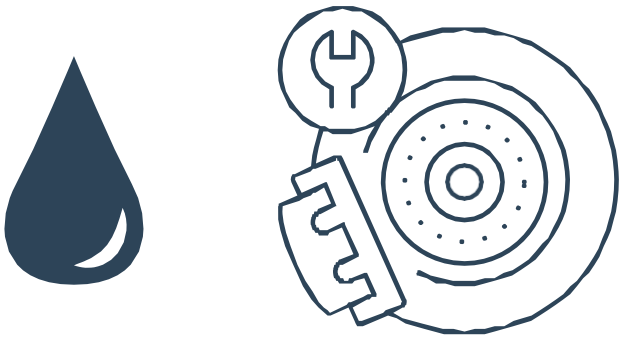
Learning Scenario Manual



Module:
Hydraulic Brake System
Learning scenario:
Brake Disc Check

Co-funded by the European Union

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Note This is a fictive generic equipment checklist intended for training purposes and therefore may vary from the equipment checklist provided by a company. It is important that a technician always read and fill checklist carefully prior to any task.

Table of Contents

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1 List of equipment

Table 1. List of equipment

Tool name	Model / Version	Quantity
Inspection report	V01	1
Gloves (resistant to hydraulic fluids)	-	1
Safety shoes	-	1
Safety goggles	-	1
Suitable working clothing	-	1
Nacelle	-	1
Lockout device	-	1
padlock	-	1
tag	-	1
Measuring cup	-	1
Clear plastic tubing	-	1
1/4” wrench	-	1

2 Instruction

2.1 Inspection preparation

Step 1: Documentation

- Fill out Table 1. Documentation overview and Table 2. Report overview in **Hydraulic brake pad inspection**

Step 2: Safety procedures

- Before using the training system, complete the following checklist:

  a) You wear safety glasses, safety shoes, and gloves.

  b) You are not wearing anything that might get caught such as tie, jewelry, or loose clothes.

  c) If your hair is long, tie it out of the way.

d) The working area is clean and free of oil or water.

- Fill out *Table 3. Safety procedures* in **Hydraulic brake pad inspection**

2.2 Visual inspection of the brake system

Record all observations accurately in the inspection checklist – *Table 4. List of inspection points* in **Hydraulic brake pad report**

Step 1: Preparation questions (For the following questions, you need to refer to hydraulic schematics)

- See manual of the Festo Nacelle – operation and maintenance

Step 2: Setting up the Nacelle

- See instructions in the manual of the Festo Nacelle – operation and maintenance

Step 3: Starting the instructor

- Follow the instructions in the manual

Step 4: Playing with valves

- Follow the instructions in the manual

Step 5: Troubleshooting

- Follow the instructions in the manual

Step 6: Lockout/tagout

For the operations to follow, the nacelle needs to be secured first.

- Follow the instructions in the manual

Step 7: Evaluate rotor brake thickness

- Follow the instructions in the manual

Step 8: Bleeding the rotor brake

- Follow the instructions in the manual

Step 9: End of inspection

- Follow the instructions in the manual

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