

Training type: **10ZŠ**

Subject: **Basic training**

Training period: **10 days**

- Day 1: Introduction.
General information, TATRA truck ranges.
Basic technical data, service documentation,
Practical demonstration of vehicle.
- Day 2: **Engine - theory**
Technical data, engine types, configuration and number of cylinders, pistons, connecting piston rods, crankshaft, engine block.
- Day 3: **Engine – theory**
Camshaft, injection pump, injectors, fuel supply system, cooling system, lubrication system, MT30 control unit diagnostics, SCR diagnostics.
- Day 4: **Engine – practice**
Engine disassembly and assembly, demonstration of engine adjustment operations (valve clearance adjustment, injection pump adjustment, etc.), MT30 control unit diagnostics carried out by INTEST 01 tester.
- Day 5: **Clutch, transmission shaft, transmission, drop box - theory**
Clutch design, adjustment method, and maintenance.
Transmission shaft design and maintenance.
Transmission design, proper assembly and adjustment methods.
Transfer case variants, adjustment and maintenance.
PTO types, design, use, and maintenance.
Differentials.
- Day 6: **Clutch, transmission, drop box, differentials – practice**
Disassembly, assembly and adjustment of clutch, transmission, drop box and differentials. Practical adjusting.
- Day 7: **Axles, suspension, steering – theory**
Axle design, assembly and adjustment methods.
Suspension, design and adjustment; tires, discs.
Steering, steering geometry, steering design, adjustment and maintenance.
- Day 8: **Axles, suspension, steering - practice**
Disassembly and assembly, adjustment data.
Tilting mechanism – theory, design, description.
- Day 9: **Vehicle brake systems – theory, practice**

Design solution, technical data, efficiency.

Day 10:

Electric equipment - theory, practice

Starters, alternators, electro-pneumatic valves,
Dashboard, heating, air conditioning, ABS.