

Blueprint for Instruction and Assessment

Diesel Engine Repair

43.0202.00



Domain	Related Standards	Instructional Time
Domain 1 Electrical and Electronics	STANDARD 13.0 PERFORM GENERAL ELECTRICAL/ELECTRONIC SYSTEM DIAGNOSIS AND REPAIR STANDARD 14.0 PERFORM BATTERY DIAGNOSIS AND REPAIR STANDARD 15.0 PERFORM STARTING SYSTEM DIAGNOSIS AND REPAIR STANDARD 16.0 PERFORM CHARGING SYSTEM DIAGNOSIS AND REPAIR STANDARD 17.0 PERFORM LIGHTING SYSTEM DIAGNOSIS AND REPAIR	30 - 35%
Domain 2 Inspections	STANDARD 2.0 PERFORM PRE-TRIP INSPECTION STANDARD 3.0 PERFORM LUBRICATION SYSTEM PM STANDARD 4.0 PERFORM COOLING SYSTEM PM STANDARD 5.0 PERFORM AIR INDUCTION AND EXHAUST SYSTEM PM STANDARD 6.0 PERFORM FUEL SYSTEM PM STANDARD 7.0 PERFORM DRIVE TRAIN PM STANDARD 12.0 PERFORM FRAME AND FIFTH WHEEL PM	25 - 30%
Domain 3 Brakes	STANDARD 8.0 PERFORM AIR BRAKE SYSTEM PM STANDARD 9.0 PERFORM HYDRAULIC BRAKE SYSTEM PM STANDARD 10.0 PERFORM SUSPENSION AND STEERING SYSTEMS PM STANDARD 11.0 PERFORM TIRE AND WHEEL PM	15 - 20%
Domain 4 Safety	STANDARD 1.0 PERFORM AUTOMOTIVE SHOP AND SAFETY TASKS	15 - 20%

Content domains are knowledge, skills, and abilities to be taught and assessed. They illustrate the relationship among technical standards, instructional time, and student success on the Technical Skills Assessment. This blueprint corresponds with the Technical Standards endorsed on January 24, 2024.

