

U.S. Department of Labor Employment and Training Administration Office of Apprenticeship Training, Employer and Labor Services (OATELS) Washington, D.C. 20210	<u>Distribution:</u> A-541 Headquarters A-544 All Field Tech A-547 SD+RD+SAC+; Lab.Com	<u>Subject:</u> New Apprenticeable Occupation --Undercar Specialist <u>Code:</u> 200
Symbols: DNIP/FK		Action: Immediate

PURPOSE: To inform Office of Apprenticeship Training, Employer and Labor Services (OATELS), Bureau of Apprenticeship and Training (BAT) Staff of a new apprenticeable occupation:

Undercar Specialist
O*NET Code: 49-3023.02
RAIS Code: 1034
Training Term: 2 years (4000 hours)
Type of Training: Time - based

BACKGROUND: Cindy Durant a SAC LET Specialist submitted this occupation through BAT State Director, George Belcher, on behalf of the Pinellas County Automobile Technicians GNJ Program, FL#0075056.

The undercar specialist performs oil change, lubrications and vehicle inspections. Repairs, replaces or adjust: brakes, exhaust, air conditioning, drive axle, starting, charging steering and suspension systems components to maintain proper operation of a car.

A suggested work process schedule and outline of related instruction are attached for your information.

Attachment

NOTE: This Bulletin is being sent via Electronic-Mail (E-Mail). Bureau State Directors should provide copies to their SAC partners as appropriate.

**WORK PROCESSES SCHEDULE
UNDERCAR SPECIALIST**

O*NET Code: 49-3023.02 RAIS Code: 1034

In order that the apprentice may acquire the necessary skills of the trade in its various categories, they shall, as near as possible, be provided employment in the following categories and amounts.

ON THE JOB TRAINING SCHEUDULE	Approximate Hours
Safety, First Aid and Hazardous Waste Disposal	100
Perform Routine Vehicle Maintenance and Safety Inspections	600
Rotate, Balance, Mount and Repair Tires	600
Remove, Service and Replace Brake System Components	600
Operate Acetylene Torch to Heat and Cut Metal	100
Perform Basic Electrical System Tests and Repairs	400
Perform Basic A/C System Tests and Repairs	400
Service and Repair Steering/Suspension Components	300
Service and Repair Front Drive Axle/CV Joints	200
Remove and Replace Exhaust System Components	100
Perform Complete Alignment Service	300
Service and Repair Rear Drive Axle	200
Remove and Replace Exhaust System Components	100
Total	4,000

**RELATED INSTRUCTION
UNDERCAR SPECIALIST**
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<u>First Year</u>	<u>Approximate Hours</u>
<u>Shop, Safety, First Aid and Hazardous Waste Disposal</u>	8
Perform appropriate safety procedures while in shop Know and understand basic first aid Right Training Understand proper hazardous waste disposal	
<u>Routine Maintenance and Safety Inspection</u>	8
Remove and replace correct quantity of oil Remove and replace oil filter Inspect for leaks Identify and lubricate chassis components Perform safety inspection	
<u>Tire Service</u>	4
Remove and rotate tires in correct sequence Mount and balance tires Repair tires	
<u>Basic Brakes</u>	24
Identify brake system components Know and understand hydraulic circuit in brake system Demonstrate ability to service disc and drum brake systems	
<u>Basic Acetylene Torch Operation</u>	4
Understand proper operation of equipment Demonstrate ability cut and heat metal	
<u>Basic Auto Electrical Circuits</u>	24
Understand basic electricity Identify components in an electrical circuit Demonstrate ability to use test equipment	
<u>Basic A/C System Operation and Service</u>	24
Identify components in an air conditioning system Understand refrigerant flow in an air-conditioning system	

<u>Steering and Suspension Service</u>	24
Identify steering and suspension components	
Understand the function of each steering and suspension component	
Demonstrate ability to diagnosis system components	
Demonstrate ability to service system components	
<u>Front Drive Axle and CV Service</u>	20
Identify drive axle components	
Diagnose and service drive axle components	
<u>Exhaust Construction and Service</u>	4
Identify exhaust system components	
Demonstrate ability to properly service and exhaust system	
Total Hours	144

<u>Second Year</u>	<u>Approximate Hours</u>
<u>Advanced Brakes</u>	32
Vacuum and electric assist power units	
Diagnosis and trouble shoot brake problems	
Demonstrate ability to service 4-wheel disc systems	
<u>ABS Brakes</u>	24
Identify components in an ABS system	
Diagnosis and trouble shoot ABS brake problems	
Demonstrate ability to service ABS systems	
<u>Electrical System Diagnosis</u>	32
Emphasis on electronic	
Demonstrate ability to diagnose electronic circuits	
<u>Auto A/C and Heating Systems</u>	24
Identify components in an electronic climate control system	
Diagnose and trouble shoot electronic climate control systems	
Service and repair electronic climate control systems	
<u>Wheel Alignment Service</u>	24
Identify vehicles with thrust or complete alignment capabilities	
Demonstrate ability to perform thrust alignment	
Demonstrate ability to perform complete 4-wheel alignments	
<u>Rear Axle Service</u>	8
Identify components in the axle assemblies	
Diagnose and service axle assemblies	
Total Hours	144