

6. Time limits will be assigned for each task, but no bonus points will be awarded for early completion.
7. Stations and equipment to be used in the national competition will be published annually by April 15 in the SkillsUSA Championships contest updates.

Standards and Competencies: High School

AST 1.0 — Perform vehicle HVAC system diagnosis and testing to related tasks in the NATEF Automobile Program Standards — Automobile Heating and Air Conditioning Task List (ASE Test A7)

- 1.1 Diagnose and repair an inoperative HVAC system on a current model vehicle
- 1.2 Use a provided factory scan tool for current model vehicle
 - 1.2.1 Read DTC with scan tool
 - 1.2.2 Read data with scan tool
 - 1.2.3 Perform actuator test with scan tool
- 1.3 Use factory service information provided
 - 1.3.1 Identify correct test procedures
 - 1.3.2 Follow the correct test procedure
 - 1.3.3 Identify connector pin-outs
 - 1.3.4 Identify component locations
 - 1.3.5 Read and interpret wiring schematics
- 1.4 Use provided test equipment
 - 1.4.1 Use a DVOM or DMM
 - 1.4.2 Use a test light
 - 1.4.3 Use A/C service gauges
- 1.5 Use a repair order
 - 1.5.1 Verify complaint
 - 1.5.2 Repair vehicle
 - 1.5.3 Verify repair was successful
 - 1.5.4 Identify components in the system

AST 2.0 — Perform vehicle engine performance diagnosis and testing to related tasks in the NATEF Automobile Program Standards — Automobile Engine Repair Task List (ASE Test A1)

- 2.1 Diagnose and repair an engine performance issue on a current model vehicle
- 2.2 Use a provided factory scan tool for the current model vehicle
 - 2.2.1 Read DTC with scan tool
 - 2.2.2 Read data with scan tool
 - 2.2.3 Perform actuator test with scan tool
- 2.3 Use factory service information provided
 - 2.3.1 Identify correct test procedures
 - 2.3.2 Follow the correct test procedure
 - 2.3.3 Identify connector pin-outs
 - 2.3.4 Identify component locations

- 2.3.5 Use wiring schematics
- 2.4 Use provided test equipment
 - 2.4.1 Use a DVOM or DMM
 - 2.4.2 Use a test light
 - 2.4.3 Use a fuel pressure gauge
- 2.5 Use a repair order
 - 2.5.1 Verify complaint
 - 2.5.2 Repair vehicle
 - 2.5.3 Verify repair was successful
 - 2.5.4 Identify components in the system

AST 3.0 — Perform vehicle body electrical diagnosis and testing to related tasks identified in the NATEF Automobile Program Standards — Automobile Electrical/Electronic Systems Task List (ASE Test A6)

- 3.1 Diagnose and repair a body electrical issue on a current model vehicle
- 3.2 Use a provided factory scan tool for the current model vehicle
 - 3.2.1 Read DTC with scan tool
 - 3.2.2 Read data with scan tool
 - 3.2.3 Perform actuator test with scan tool
- 3.3 Use factory service information provided to
 - 3.3.1 Identify correct test procedures
 - 3.3.2 Follow the correct test procedure
 - 3.3.3 Identify connector pin-outs
 - 3.3.4 Identify component locations
 - 3.3.5 Use wiring schematics
- 3.4 Use provided test equipment
 - 3.4.1 Use a DVOM or DMM
 - 3.4.2 Use a test light
 - 3.4.3 Use a battery or charging system tester
- 3.5 Use a repair order
 - 3.5.1 Verify complaint
 - 3.5.2 Repair vehicle
 - 3.5.3 Verify repair was successful
 - 3.5.4 Identify components in the system

AST 4.0 — Demonstrate application of environment, health and safety knowledge in auto service situations to related OSHA section 1910 standards and EPA standards

- 4.1 Identify personal protective equipment
- 4.2 Explain the use of personal protective equipment
- 4.3 Recall information about related EPA and OSHA requirements
- 4.4 Identify blood borne pathogens kits
- 4.5 Explain the use of blood borne pathogens kits
- 4.6 Answer questions from a provided MSDS sheet
- 4.7 Describe proper use of a fire extinguisher

AST 5.0 — Complete a job interview for an automotive service technology related position

- 5.1 Conduct a job interview with appropriate professional behavior
- 5.2 Communicate clearly and effectively
- 5.3 Clearly and completely fill out a job application
- 5.4 Provide a printed copy of résumé

AST 6.0 — Perform electronic circuit diagnosis, testing and wire repair to related tasks identified in the NATEF

Automobile Program Standards — Automobile Electrical/Electronic Systems Task List (ASE Test A6)

- 6.1 Construct an electrical circuit from supplied material and a wiring diagram
 - 6.1.1 Check electrical circuit operation
 - 6.1.2 Take electrical readings on the circuit with a DVOM
 - 6.1.3 Diagnose and repair the circuit
 - 6.1.4 Confirm the repair of the circuit
- 6.2 Diagnose electrical/electronic integrity of series, parallel and series-parallel circuits
 - 6.2.1 Check electrical circuits with a test light and determine necessary action
- 6.3 Repair connectors and terminal ends
 - 6.3.1 Repair wiring harness
 - 6.3.2 Perform solder repair of electrical wiring

AST 7.0 — Perform steering, suspension and wheel alignment to related tasks identified in the NATEF Automobile Program Standards — Automobile Suspension and Steering Task List (ASE Test A4)

- 7.1 Identify wheel alignment tools
- 7.2 Explain practical application of tools
- 7.3 Identify OEM alignment products
 - 7.3.1 Explain practical application or use of OEM products
 - 7.3.2 Identify aftermarket alignment products
 - 7.3.3 Explain practical application or use of aftermarket products
- 7.4 Identify steering suspension components
- 7.5 Explain alignment theory
- 7.6 Explain diagnosis of alignment conditions
- 7.7 Use reference materials provided

AST 8.0 — Perform manual drive train service, testing and diagnosis to related tasks identified in the NATEF Automobile Program Standards — Automobile Manual Drive Train and Axles Task List (ASE Test A3)

- 8.1 Identify components manual drive trains, axles, drivelines and transfer cases
- 8.2 Inspect clutch operating components for wear/damage and determine necessary action

- 8.2.1 Measure flywheel run-out and crankshaft endplay and determine necessary action
- 8.2.2 Inspect transmission/transaxle components for wear/damage and determine necessary action
- 8.2.3 Measure endplay/preloads on transmission/transaxle shafts and determine necessary action
- 8.2.4 Inspect, measure, reassemble and/or reinstall synchronizer assemblies
- 8.2.5 Inspect, measure, adjust and/or reassemble transaxle final drive assemblies
- 8.2.6 Check driveshaft phasing, measure driveshaft run-out and measure driveshaft operating angles
- 8.2.7 Measure companion flange run-out and determine necessary action
- 8.2.8 Inspect ring gear and measure run-out and determine necessary action
- 8.2.9 Measure and adjust drive pinion depth and drive pinion bearing preload
- 8.2.10 Measure and adjust side bearing preload, ring and pinion gear backlash and backlash variation
- 8.2.11 Check ring and pinion gear contact patterns and determine necessary action
- 8.2.12 Measure rotating torque on a limited slip differential and determine necessary action
- 8.2.13 Inspect and reinstall limited slip clutch components
- 8.3 Use factory service information provided to complete tasks
- 8.4 Use tools provided to complete task
- 8.5 Determine which components need replaced or repaired in a given situation

AST 9.0 — Perform brake service, testing and diagnosis to related tasks identified in the NATEF Automobile Program Standards—Automobile Brakes Task List (ASE Test A5)

- 9.1 Identify different brake components
- 9.2 Diagnose pressure concerns in the brake system using hydraulic principles
 - 9.2.1 Fabricate brake lines (double flare and ISO types)
 - 9.2.2 Inspect and measure brake drums and determine necessary action
 - 9.2.3 Remove, inspect and install brake shoes, springs, pins, clips, levers, adjusters and other brake hardware

- 9.2.4 Remove, inspect and install wheel cylinders
- 9.2.5 Pre-adjust brake shoes and parking brake before installing brake drums
- 9.2.6 Remove, inspect and install caliper, pads and related hardware and determine necessary action
- 9.2.7 Clean, inspect and measure rotor with a dial indicator and a micrometer and determine necessary action
- 9.2.8 Adjust calipers equipped with an integrated parking brake system
- 9.2.9 Inspect brake booster and determine necessary action
- 9.2.10 Remove, clean, inspect, repack and install wheel bearings; install hub and adjust wheel bearings
- 9.3 Identify and inspect ABS components and determine necessary action
 - 9.3.1 Diagnose ABS electronic controls and components
 - 9.3.2 Test, diagnose and service ABS speed sensors, toothed ring and circuits using an oscilloscope
- 9.4 Use factory service information provided to complete the above task
- 9.5 Use tools provided to complete the above task

AST 10.0 — Perform automatic transmission service, testing and diagnosis to related tasks identified in the NATEF Automobile Program Standards — Automobile Automatic Transmission/Transaxle Task List (ASE Test A2)

- 10.1 Identify components on a transmission
- 10.2 Diagnose and inspect a transmission
 - 10.2.1 Check input or output shaft endplay
 - 10.2.2 Check clutch clearances
 - 10.2.3 Perform air checks on the clutches
 - 10.2.4 Measure pump clearances
 - 10.2.5 Diagnose electrical components on a transmission
- 10.3 Perform adjustments on a transmission
 - 10.3.1 Perform valve body adjustments
 - 10.3.2 Perform input or output shaft adjustments
 - 10.3.3 Perform clutch pack adjustments
 - 10.3.4 Perform range sensor adjustments
- 10.4 Disassemble and assemble components of a transmission
 - 10.4.1 Disassemble and assemble the planetary gear train
 - 10.4.2 Disassemble and assemble the front pump
 - 10.4.3 Disassemble and assemble the valve body

- 10.4.4 Disassemble and assemble clutch packs
- 10.5 Use factory service information provided to complete tasks
- 10.6 Use tools provided to complete tasks

AST 11.0 — Perform engine measuring, inspecting, service and diagnosis on the head or block of an engine to related tasks identified in the NATEF Automobile Program Standards — Automobile Engine Repair Task List (ASE Test A1)

- 11.1 Measure and inspect the pistons and connecting rods
- 11.2 Measure and inspect cylinder diameter
- 11.3 Measure and inspect cylinder taper and bore with a dial bore gauge
- 11.4 Measure and inspect the cylinder head
- 11.5 Measure and inspect valve guides
- 11.6 Measure and inspect the valves
- 11.7 Measure and inspect valve stem to guide clearance
- 11.8 Measure and inspect the camshaft or crankshaft
- 11.9 Measure and inspect the valve springs
- 11.10 Measure and inspect valve or ignition timing
- 11.11 Measure and inspect the timing chain
- 11.12 Identify the clearance specifications for any item requiring measuring and inspecting
- 11.13 Use the factory service information provided
- 11.14 Determine which components need to be replaced or repaired on a given engine head or block
- 11.15 Use the precision engine measurement tools required for measuring or inspecting

AST 12.0 — Use electrical service information resources

- 12.1 Locate specifications and other service information using electronic service information resources

**Standards and Competencies:
College/Postsecondary Standards**

AST 1.0 — Perform vehicle HVAC system diagnosis and testing to related tasks in the NATEF Automobile Program Standards — Automobile Heating and Air Conditioning Task List (ASE Test A7)

- 1.1 Diagnose and repair an inoperative HVAC system on a current model vehicle
- 1.2 Use a provided factory scan tool for current model vehicle
 - 1.2.1 Read DTC with scan tool
 - 1.2.2 Read data with scan tool

- 1.2.3 Perform an actuator test with scan tool
- 1.3 Use factory service information provided
 - 1.3.1 Identify correct test procedures
 - 1.3.2 Follow the correct test procedure
 - 1.3.3 Identify connector pin-outs
 - 1.3.4 Identify component locations
 - 1.3.5 Use wiring schematics
- 1.4 Use provided test equipment correctly
 - 1.4.1 Use a DVOM or DMM
 - 1.4.2 Use a test light
 - 1.4.3 Use A/C service gauges
- 1.5 Use a repair order
 - 1.5.1 Verify complaint
 - 1.5.2 Repair vehicle
 - 1.5.3 Verify repair was successful

AST 2.0 — Perform vehicle engine performance diagnosis and testing on a current model vehicle to related tasks in the NATEF Automobile Program Standards — Automobile Engine Performance Task List (ASE Test A8)

- 2.1 Use a provided factory scan tool for current model vehicle
 - 2.1.1 Read DTC with scan tool
 - 2.1.2 Read data with scan tool
 - 2.1.3 Perform an actuator test with scan tool
- 2.2 Use factory service information provided
 - 2.2.1 Identify correct test procedures
 - 2.2.2 Follow the correct test procedure
 - 2.2.3 Identify connector pin-outs
 - 2.2.4 Identify component locations
 - 2.2.5 Use wiring schematics
- 2.6 Use provided test equipment correctly
 - 2.6.1 Use a DVOM or DMM
 - 2.6.2 Use a test light
 - 2.6.3 Use a fuel pressure gauge
- 2.7 Use a repair order
 - 2.7.1 Verify complaint
 - 2.7.2 Repair vehicle
 - 2.7.3 Verify repair was successful

AST 3.0 — Perform steering, suspension and wheel alignment to related tasks identified in the NATEF Automobile Program Standards — Automobile Suspension and Steering Task List (ASE Test A4)

- 3.1 Prepare to complete a wheel alignment
 - 3.1.1 Read and interpret a repair order
 - 3.1.2 Perform complete pre-alignment inspection
 - 3.1.3 Evaluate vehicle condition and readiness for alignment
- 3.2 Identify vehicle suspensions system and components
- 3.3 Identify vehicle steering system and components
- 3.4 Identify alignment procedure required

- 3.5 Take alignment measurements using alignment system provided
- 3.6 Record alignment measurements
- 3.7 Recall and record vehicle alignment specifications
- 3.8 Evaluate vehicle alignment condition
- 3.9 Explain vehicle alignment adjustment procedures
- 3.10 Explain advanced alignment diagnostic procedures
- 3.11 Explain use of aftermarket alignment products

AST 4.0 — Demonstrate application of environment, health and safety knowledge in auto service situations to related OSHA section 1910 standards and EPA standards

- 4.1 Identify personal protective equipment
- 4.2 Explain the use of personal protective equipment
- 4.3 Recall information about related EPA and OSHA requirements
- 4.4 Identify blood borne pathogens kits
- 4.5 Explain the use of blood borne pathogens kits
- 4.6 Answer questions from a provided MSDS sheet
- 4.7 Describe proper use of a fire extinguisher

AST 5.0 — Demonstrate customer service skills to commonly accepted standards of performance

- 5.1 Answer questions posed by a customer
- 5.2 Use appropriate and professional manner in customer meeting
- 5.3 Clearly and effectively communicate with the customer information on the diagnosis and repair of the vehicle

AST 6.0 — Perform electronic circuit diagnosis, testing and wire repair to related tasks identified in ASE Catalog of Automobile Tests – Automobile Test A6 (Electrical/Electronic Systems)

- 6.1 Construct an electrical circuit from supplied material and a wiring diagram
- 6.2 Check electrical circuit operation
- 6.3 Take electrical readings on the circuit with a DVOM
- 6.4 Diagnose and repair the circuit
- 6.5 Confirm the repair of the circuit

AST 7.0 — Perform electronic circuit diagnosis, testing and wire repair to related tasks identified in the NATEF Automobile Program Standards — Automobile Electrical/Electronic Systems Task List (ASE Test A6)

- 7.1 Electrical circuit diagnosis through oscilloscope pattern interpretation
 - 7.1.1 Use a provided oscilloscope

- 7.1.2 Answer questions based on oscilloscope readings
- 7.1.3 Explain basic oscilloscope operation

AST 8.0 — Perform service, testing and diagnosis of manual drive trains, axles, drive trains and transfer cases to related tasks identified in the NATEF Automobile Program Standards — Automobile Manual Drive Train and Axles Task List (ASE Test A3)

- 8.1 Identify components of manual drive trains, axles, drive trains and transfer cases
- 8.2 Inspect clutch operating components for wear/damage and determine necessary action
 - 8.2.1 Measure flywheel run-out and crankshaft endplay and determine necessary action
 - 8.2.2 Inspect transmission/transaxle components for wear/damage and determine necessary action
 - 8.2.3 Measure endplay/preloads on transmission/transaxle shafts and determine necessary action
 - 8.2.4 Inspect, measure, reassemble and/or reinstall synchronizer assemblies
 - 8.2.5 Inspect, measure, adjust and/or reassemble transaxle final drive assemblies
 - 8.2.6 Check driveshaft phasing, measure driveshaft run out and measure driveshaft operating angles
 - 8.2.7 Measure companion flange run-out and determine necessary action
 - 8.2.8 Inspect ring gear and measure run-out and determine necessary action
 - 8.2.9 Measure and adjust drive pinion depth and drive pinion bearing preload
 - 8.2.10 Measure and adjust side bearing preload, ring and pinion gear backlash and backlash variation
 - 8.2.11 Check ring and pinion gear contact patterns and determine necessary action
 - 8.2.12 Measure rotating torque on a limited slip differential and determine necessary action
 - 8.2.13 Inspect and reinstall limited slip clutch components
- 8.3 Use factory service information provided to complete tasks
- 8.4 Use tools provided to complete tasks
- 8.5 Determine which components need to be replaced or repaired in a given situation

AST 9.0 — Perform brake service, testing and diagnosis on a brake system on a bench to related tasks identified in the NATEF Automobile Program Standards — Automobile Brakes Task List (ASE Test A5)

- 9.1 Identify brake components
- 9.2 Diagnose pressure concerns in the brake system using hydraulic principles
 - 9.2.1 Fabricate brake lines (double flare and ISO types)
 - 9.2.2 Inspect and measure brake drums and determine necessary action
 - 9.2.3 Remove, inspect and install brake shoes, springs, pins, clips, levers, adjusters and other brake hardware
 - 9.2.4 Remove, inspect and install wheel cylinders
 - 9.2.5 Re-adjust brake shoes and parking brake before install brake drums
 - 9.2.6 Remove, inspect, install caliper, pads and related hardware and determine necessary action
 - 9.2.7 Clean, inspect and measure rotor with a dial indicator and a micrometer and determine necessary action
 - 9.2.8 Adjust calipers equipped with an integrated parking brake system
 - 9.2.9 Inspect brake booster and determine necessary action
 - 9.2.10 Remove, clean, inspect, repack and install wheel bearings; install hub and adjust wheel bearings
- 9.3 Identify and inspect ABS components and determine necessary action
 - 9.3.1 Diagnose ABS electronic controls and components
 - 9.3.2 Test, diagnose and service ABS speed sensors, toothed rings and circuits using an oscilloscope or DVOM
- 9.4 Use factory service information provided to complete the above task
- 9.5 Use tools provided to complete the above task

AST 10.0 — Perform automatic transmission service, testing and diagnosis to related tasks identified in the NATEF Automobile Program Standards — Automobile Automatic Transmission/Transaxle Task List (ASE Test A2)

- 10.1 Identify different components on the transmission
- 10.2 Diagnose and inspect a transmission on a bench
 - 10.2.1 Check input or output shaft endplay and determine necessary action

- 10.2.2 Check clutch clearances and determine necessary action
- 10.2.3 Perform air checks on the clutches and determine necessary action
- 10.2.4 Measure pump clearances and determine necessary action
- 10.3 Diagnose electrical components on the transmission and determine necessary action
- 10.4 Adjust components of an automatic transmission
 - 10.4.1 Perform valve body adjustments
 - 10.4.2 Perform input or output shaft adjustments
 - 10.4.3 Perform clutch pack adjustments
 - 10.4.4 Perform range sensor adjustments
- 10.5 Disassemble and assemble components of an automatic transmission
 - 10.5.1 Disassemble, assemble and inspect the planetary gear train and determine necessary action
 - 10.5.2 Disassemble, assemble and inspect the front pump and determine necessary action
 - 10.5.3 Disassemble, assemble and inspect the valve body and determine necessary action
 - 10.5.4 Disassemble, assemble and inspect clutch packs and determine necessary action
- 10.6 Use factory service information provided to complete tasks
- 10.7 Use tools provided to complete tasks

AST 11.0 — Perform engine measuring, inspecting, service and diagnosis on the head or block of an engine to related tasks in the NATEF Automobile Program Standards — Automobile Engine Repair Task List (ASE Test A1)

- 11.1 Measure and inspect the pistons and connecting rods and determine necessary action
- 11.2 Measure and inspect cylinder diameter and determine necessary action
- 11.3 Measure and inspect cylinder taper and bore with a dial bore gauge and determine necessary action
- 11.4 Measure and inspect the cylinder head and determine necessary action
- 11.5 Measure and inspect valve guides and determine necessary action
- 11.6 Measure and inspect the valves and determine necessary action
- 11.7 Measure and inspect valve stem to guide clearance and determine necessary action
- 11.8 Measure and inspect the camshaft of crankshaft and determine necessary action
- 11.9 Measure and inspect the valve springs and determine necessary action

- 11.10 Measure and inspect valve or ignition timing and determine necessary action
- 11.11 Measure and inspect the timing chain and determine necessary action
- 11.12 Identify the clearance specifications for any item requiring measuring and inspecting
- 11.13 Use the factory service information provided
- 11.14 Determine which components need to be replaced or repaired in a given situation
- 11.15 Use the precision engine measurement tools required for measuring or inspecting

AST 12.0 — Use electrical service information resources

- 12.1 Locate specifications and other service information using electronic service information resources

Committee Identified Academic Skills

The technical committee has identified that the following academic skills are embedded in this contest.

Math Skills

- Use fractions to solve practical problems
- Use proportions and ratios to solve practical problems
- Use scientific notation
- Solve practical problems involving percents
- Measure angles
- Find surface area and perimeter of two-dimensional objects
- Find volume and surface area of three-dimensional objects
- Apply transformations (rotate or turn, reflect or flip, translate or slide and dilate or scale) to geometric figures
- Solve problems using proportions, formulas and functions
- Use laws of exponents to perform operations

Science Skills

- Use the knowledge of potential and kinetic energy
- Use the knowledge of mechanical, chemical and electrical energy
- Use the knowledge of temperature scales, heat and heat transfer
- Use the knowledge of principles of electricity and magnetism
- Use the knowledge of static electricity, current electricity and circuits
- Use the knowledge of magnetic fields and electromagnets
- Use the knowledge of motors and generators

Language Arts Skills

None Identified

Connections to National Standards

State-level academic curriculum specialists identified the following connections to national academic standards.

Math standards

- Numbers and Operations
- Algebra
- Geometry
- Measurement
- Data Analysis and Probability
- Problem Solving
- Communication
- Connections
- Representation

Source: NCTM Principles and Standards for School Mathematics.

To view high school standards, visit:

standards.nctm.org/document/chapter7/index.htm.

Select “Standards” from menu.

Science Standards

- Understands the structure and properties of matter
- Understands the sources and properties of energy
- Understands forces and motion
- Understands the nature of scientific inquiry
- Understands the scientific enterprise

Source: McREL compendium of national science standards. To

view and search the compendium, visit:

www.mcrel.org/standards-benchmarks/

Language Arts Standards

- Students read a wide range of print and nonprint texts to build an understanding of texts, of themselves and of the cultures of the United States and the world; to acquire new information; to respond to the needs and demands of society and the workplace; and for personal fulfillment. Among these texts are fiction and nonfiction, classic and contemporary works
- Students apply a wide range of strategies to comprehend, interpret, evaluate and appreciate texts. They draw on their prior experience, their interactions with other readers and writers, their knowledge of word meaning and of other texts, their word identification strategies, and their understanding of textual features (e.g., sound-letter correspondence, sentence structure, context, graphics)

- Students adjust their use of spoken, written and visual language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes
- Students employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for a variety of purposes
- Students apply knowledge of language structure, language conventions (e.g., spelling and punctuation), media techniques, figurative language and genre to create, critique and discuss print and nonprint texts
- Students conduct research on issues and interests by generating ideas and questions and by posing problems. They gather, evaluate and synthesize data from a variety of sources (e.g., print and nonprint texts, artifacts and people) to communicate their discoveries in ways that suit their purpose and audience
- Students use a variety of technological and information resources (e.g., libraries, databases, computer networks, video) to gather and synthesize information and to create and communicate knowledge
- Students use spoken, written and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion, and the exchange of information)

Source: IRA/NCTE Standards for the English Language Arts. To view the standards, visit:

www.readwritethink.org/standards/index.html.

CONTEST SCORECARD

Items Evaluated	Possible Points
AC System Diagnosis	75
Engine Performance.....	75
Alignment.....	75
Environment, Health and Safety	75
Customer Service	75
Electrical Circuit Testing	75
Electric Diagnosis.....	75
Drive Train.....	75
ASB Brakes.....	75
Automatic Transmission Service	75
Engine Mechanical.....	75
Electronic Service Information.....	75
Written Test.....	100

Sub Total	1,000
Résumé Penalty	_____
Clothing Penalty	_____
TOTAL	_____