ALIGNING BODY AND FRAME
Pierce County Careers Connection
Dual Credit Articulation Agreement

Upon completion of high school courses or equivalent to the following competencies:

☐ Frame-Type and Unitized-Body Construction
  • Describe the difference between frame-type construction and unitized-body construction with 100% accuracy.

☐ Identify Unitized-body Measurement of Damaged Vehicle
  Given a damaged vehicle requiring unitized-body inspection, which has been set up on a dedicated or universal bench:
  • List the damage
  • Record by each damaged measurement the vehicle’s true alignment according to the manufacturer’s specifications.

☐ Realign a Unitized Body
  Given a vehicle with unitized-body damage:
  • Realign the vehicle to the original dimensions according to the manufacturer’s specifications.

Demonstrate appropriate use of the following tools:
  • Universal measuring system
  • Self centering gauges
  • Tape measurement
  • Laser system
  • Frame manual

☐ Inspect Body and Frame and Measure Alignment
  Given a damaged vehicle requiring body and frame inspection:
  • Set up the necessary frame gauge equipment.
  • Inspect the body and frame.
  • Tram to determine if the body openings and the frame are bent or misaligned.
  • List the damage
  • Record, by each damaged measurement, the vehicle’s true alignment specifications according to the manufacturer’s manual or blueprint findings.

Demonstrate appropriate use of the following tools:
  • Self-centering gauge
  • Tram gauge
  • Tape measure
  • Frame manual

☐ Straighten, Repair, and Align Body and Frame Vehicle
  Given a vehicle with body damage (i.e., sideway, sag, mash, diamond, and twist):
  • Straighten body and frame
  • Align body and frame
  • Repair to original dimensions according to crash book or other shop manual with manufacturer’s specifications.

Demonstrate appropriate use of the following tools:
  • Power post
  • Floor pots
  • Damage dozer
  • Universal frame rack

A student earning a “B” grade or better may earn college credit at the following college:

<table>
<thead>
<tr>
<th>College</th>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Bates Technical College</td>
<td>AUTOB 204</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>AUTOB 205</td>
<td>4</td>
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Reviewed: 1/2017