

Independent Private Commercial Auto Body Collision Restoration Full Service Center and Training Center

Every one of these assemblages of independent private businesses will be housed, either attached together or located next door to each other. The trade school will be in the center of the assemblage of businesses so interns/apprentices can just walk next door to go to work, walk next door to eat or purchase their necessities. Each and every business in the assemblage will be training centers for the trade school and will offer full and part time jobs to the community. Each independent private commercial business will work in cooperation with Tech Craftsman Career Center and the trade school to supply part time trade school interns/apprentices to be paid employees working part time to gain real life experiences.

Open to the public and the business will also contract with insurance companies and car rental companies to repair or recondition their vehicles. Interns/apprentices will be learning a career in Auto Body Collision; this course is complete engine, transmission and body factory remanufacturing. The vehicle will be like a new car when driven off the property. Auto Body Collision Restoration Service Center is housed at the Assemblage of Auto Related Services Location.

After first 12 month of 8 hour, 5 day weeks of hands-on-instruction, interns/apprentices will move to a part time position in auto body repair.

Auto Body Collision Restoration Service Center will always offer genuine automakers parts, in genuine parts are no longer available then (OEM) Original Equipment Manufacturer parts must be used. If under warranty then all broken parts must be replaced with only auto manufactures replacement parts.

Employees will:

- Review damage reports, prepare cost estimates, and plan work
- Remove damaged body parts, including bumpers, fenders, hoods, grilles, and trim
- Realign car frames and chassis to repair structural damage

- Hammer out or patch dents, dimples, and other minor body damage
- Fit, attach, and weld replacement parts into place
- Install and weatherproof windows and windshields
- Grind, sand, buff, and prime refurbished and repaired surfaces
- Apply new finish to restored body parts

Our technicians and interns/apprentices will be trained to make not only repairs on damage from everyday vehicle collisions and make vehicles look and drive like new. Damage may be minor, such as replacing a cracked windshield, or major, such as replacing an entire door panel. Repair technicians with interns/apprentices will use many tools for their work. To remove damaged parts, such as bumpers and door panels, they use pneumatic tools, metal-cutting guns, and plasma cutters. For major structural repairs, such as aligning the body, they often use heavy-duty hydraulic jacks and hammers. For some work, they use common hand tools, such as metal files, pliers, wrenches, hammers, and screwdrivers.

In some cases, repair technicians do an entire job by themselves. In other cases, we may use interns/apprentices in an assembly line approach in which they work as a team with each repair technician specializing in certain repairs. Although repair technicians sometimes prime and paint repaired parts, that will be when our automotive painters which generally perform these tasks are over whelmed.

Auto body and related repairers, or collision repair technicians, straighten metal panels, remove dents, and replace parts metal parts that cannot be fixed.

Our technicians and interns/apprentices working as automotive glass installers and repairers remove and replace broken, cracked, or pitted windshields and window glass. They will also weatherproof newly installed windows and windshields with chemical treatments.

Naturally there many more duties in auto repair, such as making modifications on older cars such as to put a larger engine in the car, where axels need to be changed including the complete front end of the vehicle. Taking the body off the frame and sandblasting all rust off and replace old line such as new brake and fuel lines, painting the frame like

new. While the auto body is off the frame, add all four brakes drums with total disc brakes.

Remove fuel tank, take up old metal in the trunk weld in new metal in place doing the same to the inside of the car, adding a new roof interior, reupholster all the seats, put in new carpets. Replace the body on top of the frame.

In other word completely restoration the entire car, when our interns/apprentices finish their 24 month program they will be able to take over any position in any auto body shop.