Frame Straightening for Damaged Cars by James Blee

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Frame damage is a fairly common occurrence if the car or truck has been involved in an accident. It is important to recognize the frame damage so that the appropriate damage can be included in the repair estimate and then performed. To do the repair job most craftsmen should have experience in straightening bent, mangled, torn, creased and folded metal on all types of metal.

Why Frame Straightening?

Straightening of a frame is a critical element of a collision repair job. If the frame is not straightened properly all other repairs will be compromised. An improperly repaired frame will lead to alignment problems, increased tyre wear, body panel alignment issues and even vehicle safety issues.

Tools and Experience Required:

It is absolutely vital to have proper tools and for frame straightening and repair. The most common and important tool is the frame straightener or frame rack or a frame jig. This vital tool provides the proper anchor points and direction hydraulic force required to repair a damaged automotive frame. In addition experienced personnel are vital to a proper repair job. The tolerances for a correctly straightened frame are 1to 3 millimeters. Achieving that level of precision requires years of experience.

Body shop versus Frame Straightening Specialist:

After an accident, often cars are repaired in a body shop .In spite of this the car might have problems. Many cars in accidents have bent frames that were undetected or improperly repaired at the body shop. The car might not drive straight, feel crocked or pull to one side or another. This is evident in freeways, long straight roadways and roads with curves at the centre that drop off on both sides .That is because most body shops are not experts at frame straightening. They just remove and replace parts in the bent frame which causes problems at a later stage.

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