

Vehicle information:

License.no.	ABC 123
Vehicle make	Toyota
Model	Avensis
Year (model)	2004
Section	Left B-pillar
Analyser test value	29,3

Tested Material information:

EHS steel:

These steels obtain their increased strength by heat-treatment during manufacture, so that a dual-phase structure of ferrite and martensite is formed. In TRIP steel there is also retained austenite, which is converted to martensite during deformation. Both steels are very sensitive to heat, even at low temperatures and for short periods, so restrictions on heating and welding apply.

Welding and straightening:

There are special restrictions on welding because the material's strength is affected even at low temperatures. None of these materials should be warm-worked because of adverse structural effects. Cold-straightening can however be carried out without affecting the material, but it is limited because of the high elastic limit and hardness. The harder materials require special titanium bits for drilling.

More information:

For more information see the manufacturers website at : www.techinfo.toyota.com



Warning regarding tested material:

CHECK AND FOLLOW THE MANUFACTURERS RECOMMENDED REPAIR METHOD TO INSURE SAFE AND CORRECT REPAIR