

## DEVELOPMENT OF PROCEDURE FOR DETERMINING STIFFNES OF SIDE DOOR AND INFLUENCE OF STRENGTH OF DOOR TO STIFFNES

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Side door, one of the basic elements of car body, has to satisfy demands of reliability and safety, which becomes stricter every day. In "Zastava automobili" factory is made the conclusion that the increasing of stiffness of side door is necessary to satisfy the demands mentioned above. Before any intervention on door's design was made, the testing methods, testing equipment and some examinations on existing side doors were made.

*Key words: examinations, side door, stiffness*

## RAZVOJ POSTUPKA ZA ODREĐIVANJE KRUTOSTI BOČNIH VRATA I UTICAJ OJAČANJA VRATA NA KRUTOST

Bočna vrata, kao jedan od osnovnih elemenata karoserije putničkih automobila, treba da zadovolje sve strožije zahteve funkcionalnosti, pouzdanosti i bezbednosti. U Zastava automobili d.d. se došlo do zaključka da je radi zadovoljenja gore navedenih zahteva potrebno povećati krutost bočnih vrata. Pre konkretnih intervencija na vratima se pristupilo realizaciji opreme za ispitivanje, metodologije i ispitivanju postojećeg rešenja bočnih vrata.

*Ključne reči: ispitivanje, bočna vrata, krutost*