WorldSID 50\textsuperscript{th} and 5\textsuperscript{th} Update

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WorldSID Additional Tests

- Autoliv Side Impact Test Programs
- Test Configurations
  - Car to car crash tests.
  - WorldSID 50th driver, WorldSID 5th rear seat passenger, THOR front seat passenger (far side).
  - 55 KPH, 70 KPH and 80 KPH Speed.
- Instrumentation
  - 2D IR-TRACCs were instrumented for both WSID 50th and 5th.
  - 2D IRTRACCs were installed on both sides of the rib cages.
- Observations
  - Instrumentation from both sides provide good information for side impact analysis.
  - Injury criteria with 2D IRTRACC needs to be developed.
- Data will be presented by Autoliv when analysis is completed.
Ballast rib clamp 2D IR-TRACC kit

Rib ballast clamp, plated steel
0.28 kg replaces non struck side IRTRACC
WSID 5th Lower Leg Update

- Scaled down from the WorldSID 50th design
- Machining parts are fabricated.
- Foot mold is due Feb 5th for validation.
- Lower leg mold is in the process of fabrication.
- Phase II legs will be delivered with the 1st NHTSA dummy. Replacement legs will be delivered with the 2nd NHTSA dummy.
WorldSID 5th NHTSA Dummy Delivery

- First Dummy will be delivered on Feb 15th.
- Second Dummy tentative delivery date April 23rd.