



Hybrid III Weighted 6-Year-Old Conversion Kit

HIII-6CW (Model 167-0000)



The Hybrid III Weighted 6-Year-Old Child was introduced by the National Highway Traffic Safety Administration (NHTSA) in a Notice of Proposed Rulemaking (NPRM) issued May 7, 2003. The Final Rule was issued June 23, 2003. This dummy will be used to evaluate child safety seats rated for 50-65 lb maximum capacities.

The design of the Hybrid III Weighted 6-Year-Old Child is identical to the standard Hybrid III 6-Year-Old with the exception of three ballast weights that increase the weight of the dummy by 10 lbs and the height by 0.715 inches. The ballast weights are located between the lower lumbar load cell and pelvic plate and on the left and the right sides of the spine box .

The Hybrid III Weighted 6-Year-Old Child ATD is specified under Title 49 CFR, Part 572, Subpart S.

Upgrade requirements based on existing standard Hybrid III 6-Year-Old

Part Required	Qty	Description	Reference NHTSA Drawing #
167-2020	2	Spine Box Weights Attach to the left and right sides of the spine box	167-2000, Upper Torso Assembly, Item 39
9000146	4	10-32 x 1 SHCS Attaches 167-2020, Spine Box Weight to the spine box. Replaces (4) 10-32 x 1/2 SHCS	167-2000, Upper Torso Assembly, Item 38
167-3010	1	Lumbar Weight Base Mounts between 127-3005, Lumbar Adaptor (or transducer) and 127-3011 Molded Pelvis Top Plate	167-3000, Lower Torso Assembly, Item 30
9002000	4	Screw, SHCS 1/4 - 20 x 1 1/2 Attaches 167-3010, Lumbar Weight Base between the Pelvis and Lumbar Adaptor. Replaces (4) 1/4 - 20 x 7/8 SHCS	167-3000, Lower Torso Assembly, Item 19

The following is a summary of the dimensions and the segment weights that will change when the standard HIII-6C is retrofit to a HIII-6CW. All other dimensions and segment weights not listed are identical to the standard HIII-6C.

WEIGHTS:	HIII-6C Spec	HIII-6CW Spec
Upper Torso	12.25	17.33
Lower Torso	13.75	18.63
Total Weight	51.60	61.56

DIMENSIONS:	HII -6C Spec	HIII-6CW Spec
Shoulder Pivot Height	14.00	14.72
Elbow Rest Height	6.60	7.32
Stature (A-C-D+R+M)	44.90	45.62
Reference Location for Chest Circumference	13.00	13.72
Sitting Height	25.00	25.72