

Harmonized CRABI 12 Upper Arm

(921022-014L-H & 921022-014R-H)

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During harmonization it was discovered that the CRABI 12 upper arms of the FT and Denton brands have shoulder pockets with different depths.

Upper Arm Shoulder Pocket Depths

The CRABI 12 upper arms have shoulder pockets at the point of connection to the shoulder isolation dampers. These pockets vary in depth on the FT and Denton brands. The FT brand upper arm has a deeper pocket and was chosen by the harmonization group to be included in the harmonized dummy. Figure 1 compares the harmonized (FT) upper arm to the Denton version.

The difference in depth stems from an update to the drawing specification before the dummy was accepted into regulation. The dimension of



Fig. 1 - Harmonized upper arm (top) next to the Denton brand upper arm (bottom).



the shoulder pocket was deepened, but it was specified as a reference dimension only. This resulted in the two different depths.

When assembled on the CRABI 12 torso, a noticeable gap can show when using the Denton brand upper arm. The FT and harmonized upper arms fit more flush against the chest jacket. The difference has not been shown to affect dummy performance.

With the release of the harmonized version of the CRABI 12, the FT and Denton brands are now obsolete. Customers are advised to purchase matching left and right harmonized upper arms should any difference in shoulder gap be of concern.

CRABI 12 Upper Arms	
921022-014L-H	Arm, Upper Assembly, Left, (Harmonized)
921022-014R-H	Arm, Upper Assembly, Right, (Harmonized)

Fig. 2 - Harmonized upper arm flush to the CRABI torso jacket



Arm showing gap

