



## Occupant Model Checklist

Honda Accord

Dec 2013

### **Checklist for Running the Honda Accord Occupant Model**

1. Determine the firing time using the “5-30” rule.
  - a. Double integrate the crash pulse to get the displacement time history.
  - b. Identify the time corresponding to 5 inches of displacement.
  - c. Subtract 30 ms from that time to get the firing time.
2. Change the value of the following variables under CONTROL\_ANALYSIS.TIME.
  - a. Set DAB\_TTF to the firing time.
  - b. Set Anchoragepretensioner\_TTF to 0.003 seconds less than the firing time.
  - c. Set Anchoragebuckleframe\_TTF to the firing time.
  - d. Set Ret\_stroke\_ttf to 0.004 seconds less than the firing time.
3. Change the INITIAL\_JOINT\_VEL for Motion\_jnt (under the DS3\_Interiors system) to correspond to the desired initial velocity.
4. Change the crash pulse using the following functions, which are called in MOTION\_JOINT\_ACC for Motion\_jnt (under the DS3\_Interiors system).
  - a. For full frontal
    - i. /DS3\_Interiors/vehicle\_acc
  - b. For offset or centerline pole
    - i. /DS3\_Interiors/vehicle\_accX
    - ii. /DS3\_Interiors/vehicle\_accY
    - iii. /DS3\_Interiors/vehicle\_accZ
5. If PSM is enabled in the model, update the PSM file under /S1\_InertialSpace/FeModel\_1/MOTION.STRUCT\_DISP