

Figure 3: Excitation of Damped Upper Baffle (Longitudinal)

When a damped Upper Baffle panel is excited directly, a resonance appears near 40 Hz. Structure excitations do not excite this. Not shown: direct excitation of Lower Baffle panel does not excite a 40 Hz resonance.

Both traces include a damped mounted Upper Baffle panel with D1700232 prototypes, bolts tightened 1/2 turn past hand tight (< 10% compressed). Accel mounted to cage.

Measurement 28 was excited at the top of the structure in the Z direction (longitudinal)

Measurement 30 was excited at center of the Upper Baffle panel in the Z direction (longitudinal)

