Subject: dash tweeters sibilance
Posted by Jim Snyder on Sun, 06 Aug 2006 16:31:18 GMT
View Forum Message <> Reply to Message

Hi,I have Infinity Reference 1011t tweeters in the dash of my Jeep Liberty. I have calculated that a 3 ohm resistor in series will provide the aproximate level of attenuaton that I require. I have full range Boston Acoustics speakers in the doors that normally sound great on their own. I'm getting sibilance I'm guessing is somewhere between 2.5 and 4.5 dB and 3.5 kHz and 8 kHz. The 4 ohm silk dome tweeters have a 2500-21k frequency response and use a Passive 12dB/octave Crossover at 3.5 kHz. Maybe the highs reflecting off the glass is contributing to the sibilance. My 2 questions are; 1) Will simply puting a 3 ohm resistor in series lower the crossover frequency? 2.) Would raising the crossover frequency be a better approach to curing the sibilance? Led Zeppelin sounds too harsh. My test for overall balance is the local oldies FM station with a switch to the country station just to make sure the bass isn't too much. LOLI simply want to have a balance sound without the sibilance. My Pioneer head unit with Automatic EQ and time alignment which uses high frequencies for its calculations cuts the outputs to the front channels by 6 dB in relation to the rear doors. Front channel powers both the doors and dash tweeters. Help!