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File Dependencies:

Model\_Config v1.2.0  
Nexteer\_Uilities v4.3.1  
Data\_Management v2.14.0

Requirements Baseline: NA

Change Log:

v1.0.0

Date: 25-Jun-2015

Change Control #: EA4#889

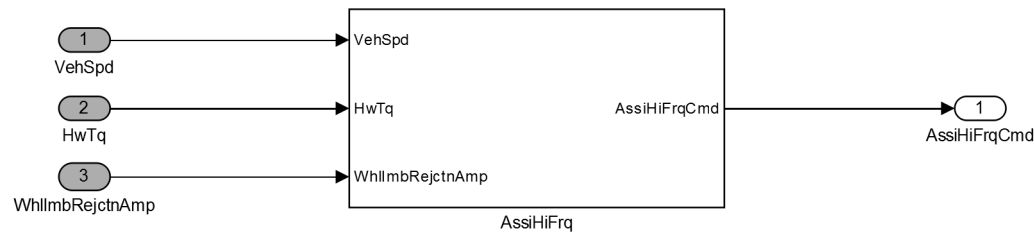
DRW: Shrenik Shah

Description:

- Initial Release, this model is not based on the latest 2015 standards.  
This is a modified 2012 model compatible with 2015 Data Dictionary  
Coder can use his/her discretion

SF028A : AssiHiFrq : High Frequency Assist  
v1.0.0  
Date: 25-Jun-2015

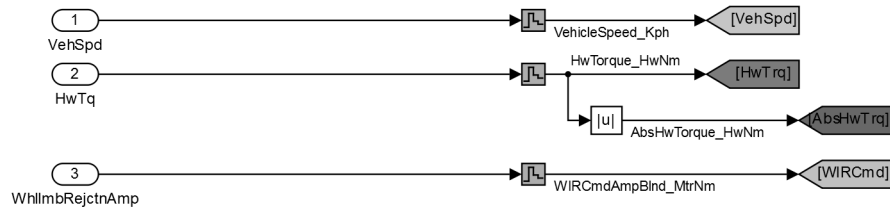
This function provides a means of compensating for system inertia and road feedback. It is tunable over both vehicle speed and handwheel torque to obtain the desired level of disturbance rejection under various operating conditions. It passes handwheel torque through a high-pass filter and multiplies the resulting signal by a tunable gain factor. The output is known as high-frequency assist and is simply added to the usual assist calculated elsewhere.



dAssiHiFrqGainBlnd

dAssiHiFrqGain

dAssiHiFrqGainWhlImbRejctnZero



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High Pass filter cutoff frequency is not tune on the fly  
so the frequency table can be converted from Hz to appriate units  
during initilisation of the function

