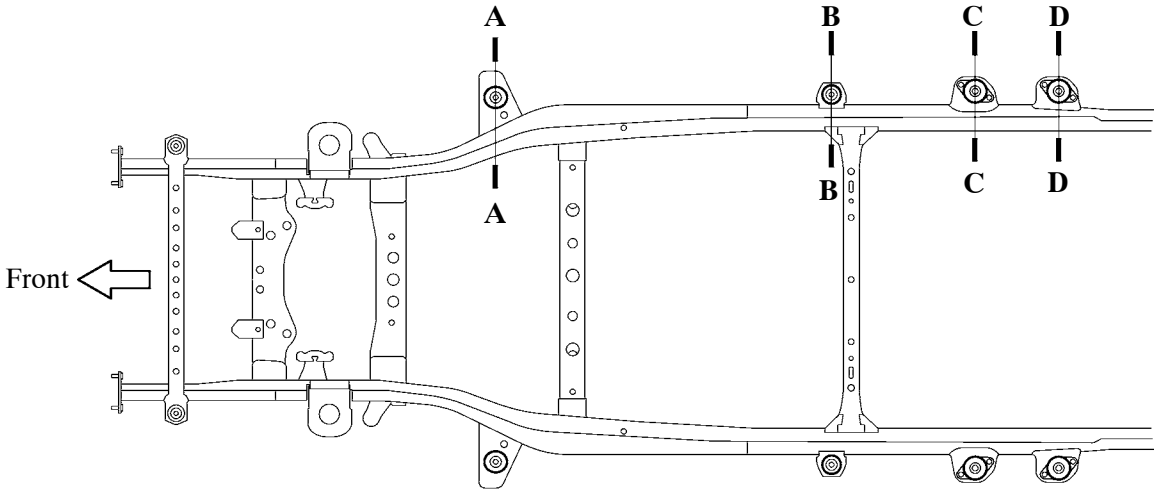
■ LOW VIBRATION AND LOW NOISE BODY

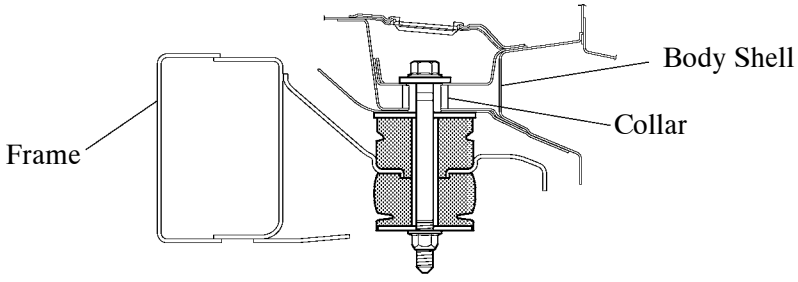
1. General

- The cab mount area uses a collar construction to improve the rigidity of its force application point and minimize the transmission of vibration to the body.
- An effective application of vibration damping and noise insulation materials reduces engine and road noise.

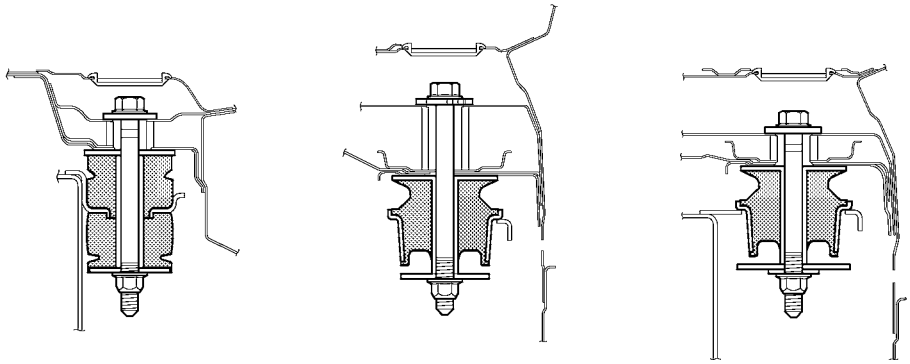
2. Cab Mount

The cab mount area uses the collar construction to improve rigidity and minimize the transmission of vibration to the body.





A – A Cross Section
No. 2 Cab Mount



B – B Cross Section
No. 3 Cab Mount
(for Single Cab Models)

C – C Cross Section
No. 3 Cab Mount
(for Extra/Smart Cab Models)

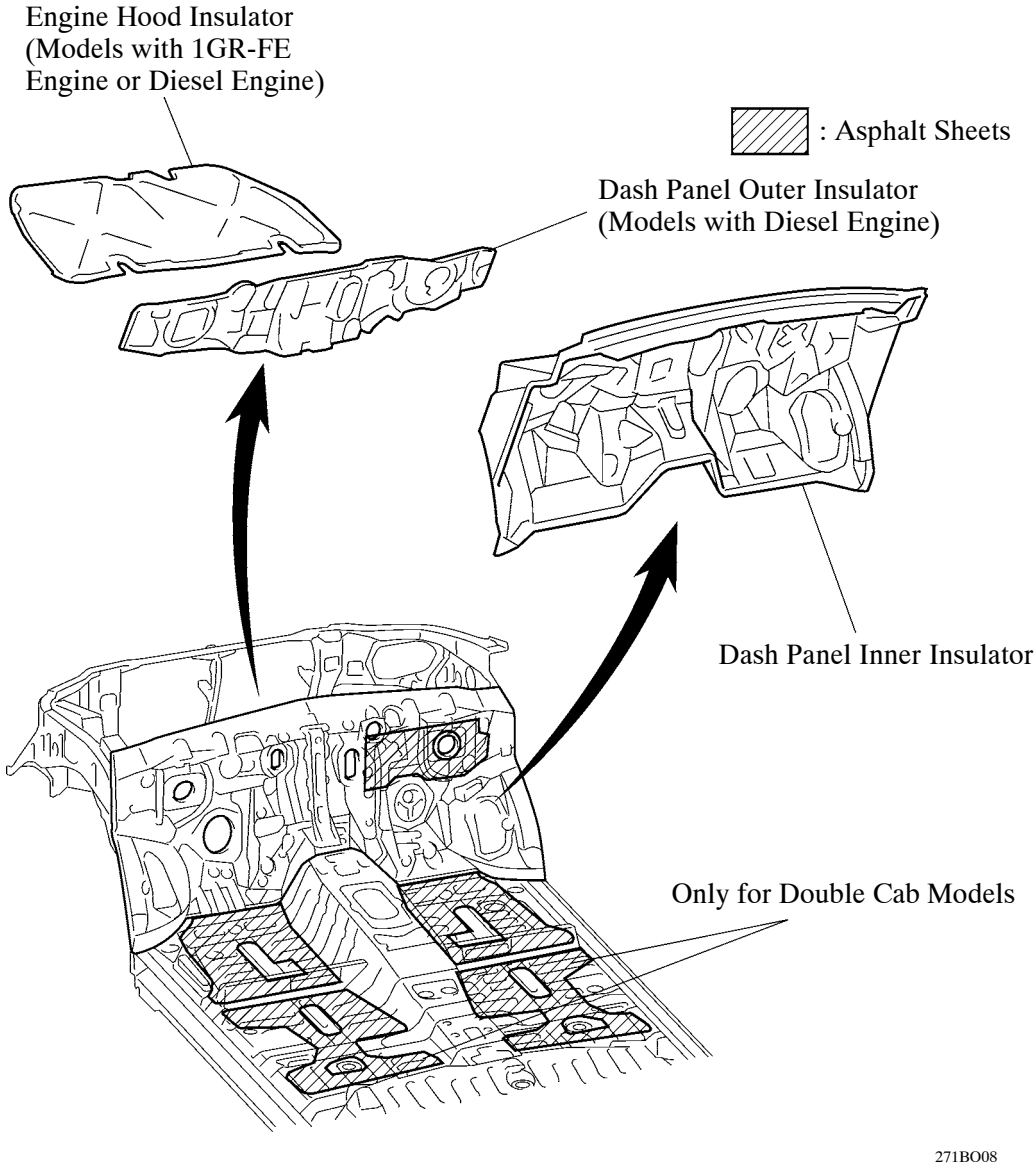
D – D Cross Section
No. 3 Cab Mount
(for Double Cab Models)

271BO07

BO

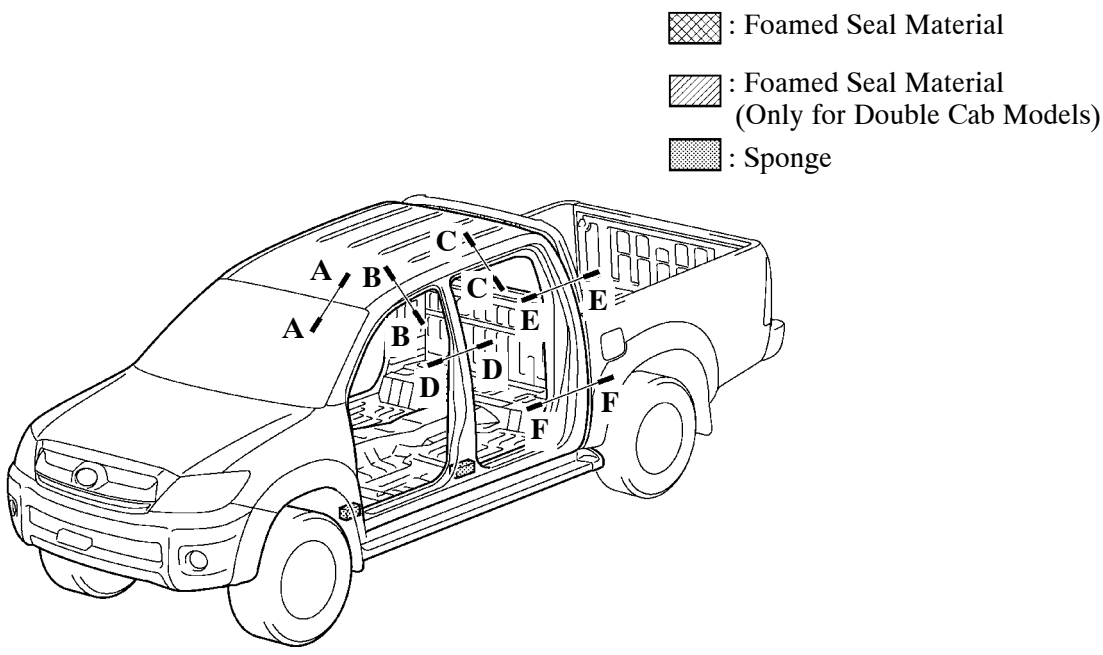
3. Sound Absorbing and Vibration Damping Materials

- An asphalt sheet is used to reduce engine and road noise.
- Use of a dash panel insulator and an engine hood insulator has reduced engine and road noise to improve the quietness in the compartment.

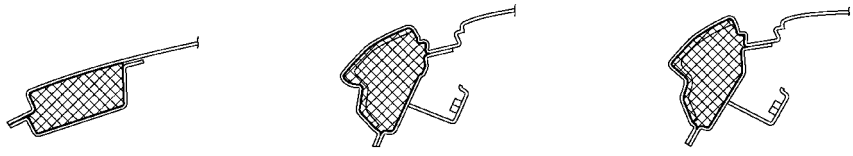


LHD Double Cab Models

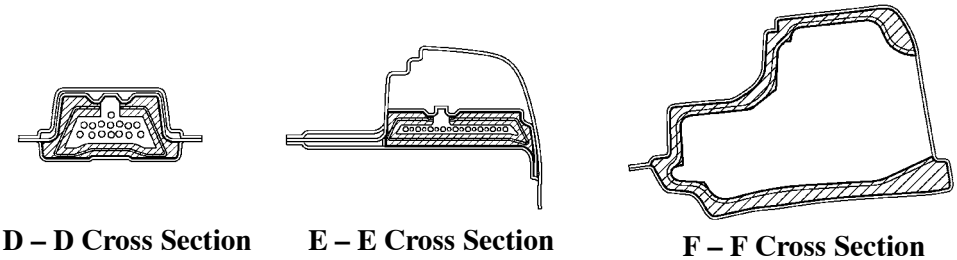
- Foamed urethane sponge and foamed seal material are applied to the roof panel and pillars to reduce wind and road noise.



Double Cab



A – A Cross Section **B – B Cross Section (Except Single Cab Models)** **C – C Cross Section**

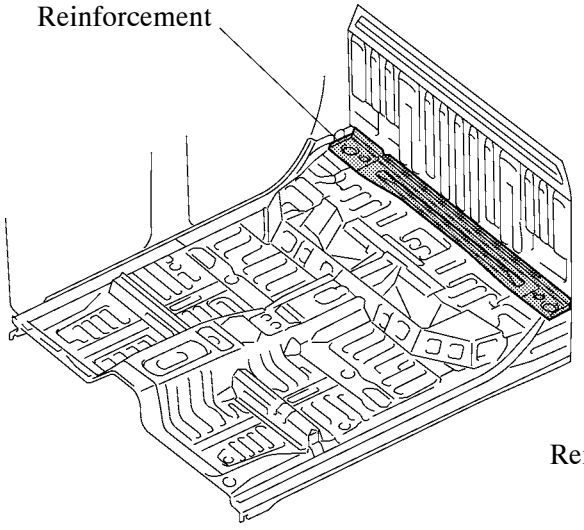


D – D Cross Section **E – E Cross Section** **F – F Cross Section**

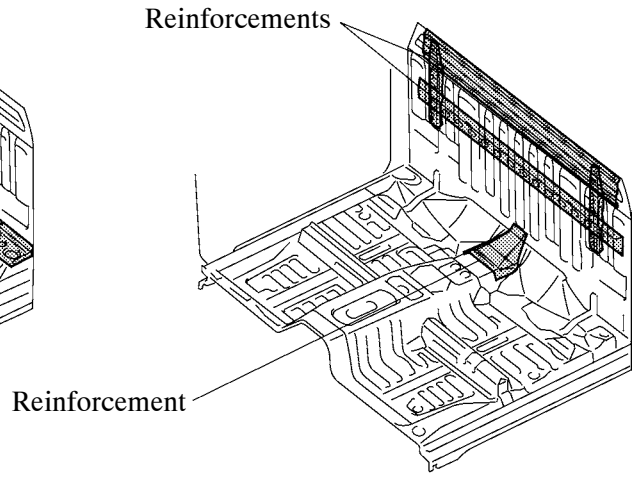
00LBO004Y

BO

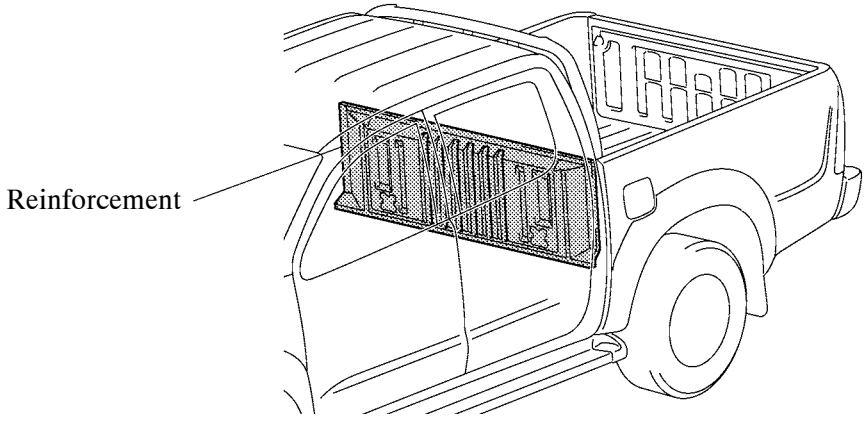
- Reinforcements have been optimally allocated to the back panel area of the single cab and double cab models to minimize droning noise. On all models, a stamped shape has been added to the deck panel on the cabin side to prevent it from resonating with the back panel and minimize droning noise.



Double Cab Models



Single Cab Models



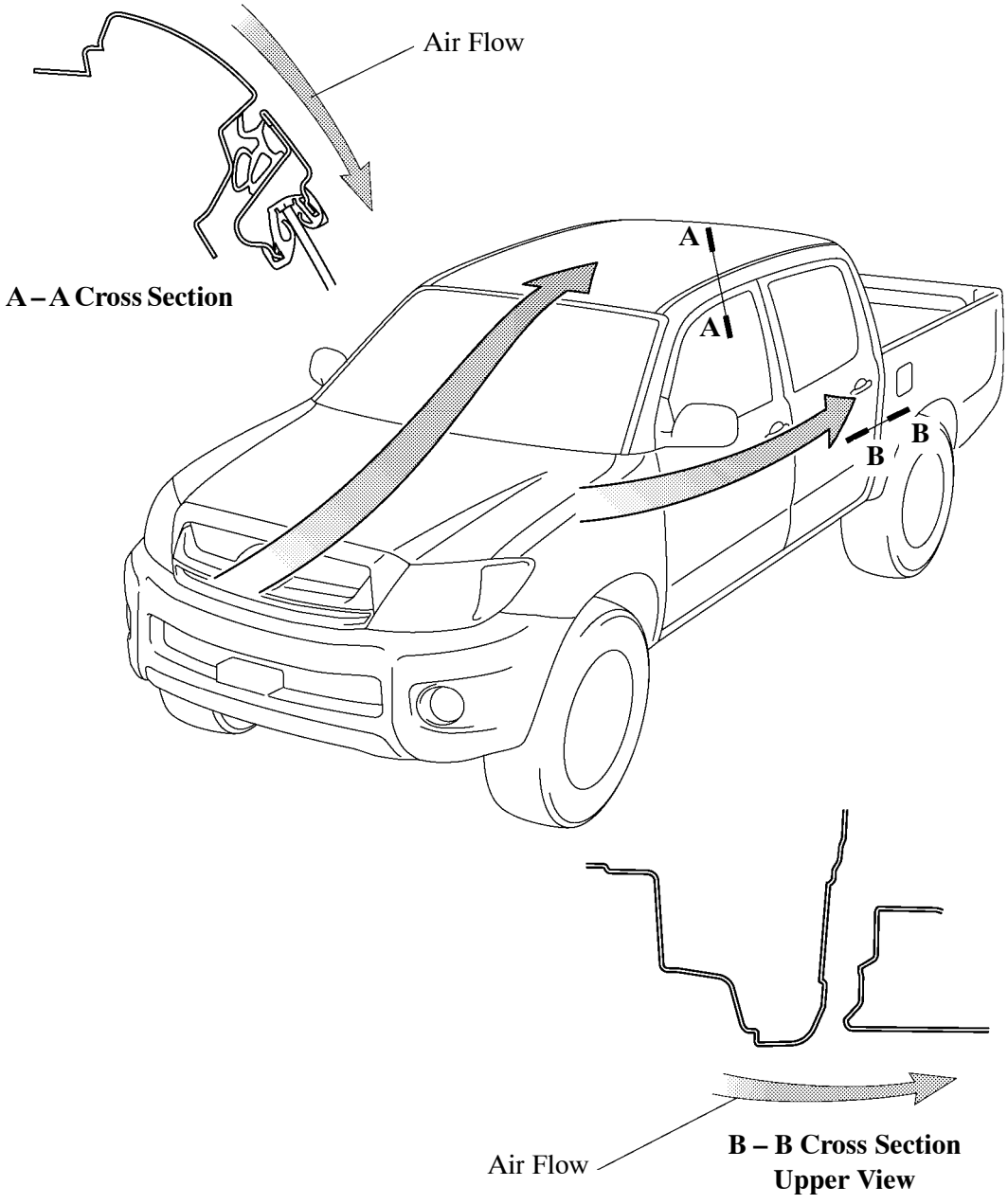
Deck Panel Models

271BO10

4. Reducing Wind Noise

Wind noise has been reduced through the use of the following constructions:

- The installation angle of the front windshield has been optimized to ensure the smooth airflow.
- The clearances between the door sash and the roof and the clearance between the rear door and the deck have been reduced from the conventional model.
- The outside rear view mirror has been optimally shaped.



Double Cab Models

00LBO005Y