

SCR CONVERTER [SKYACTIV-D 2.2]

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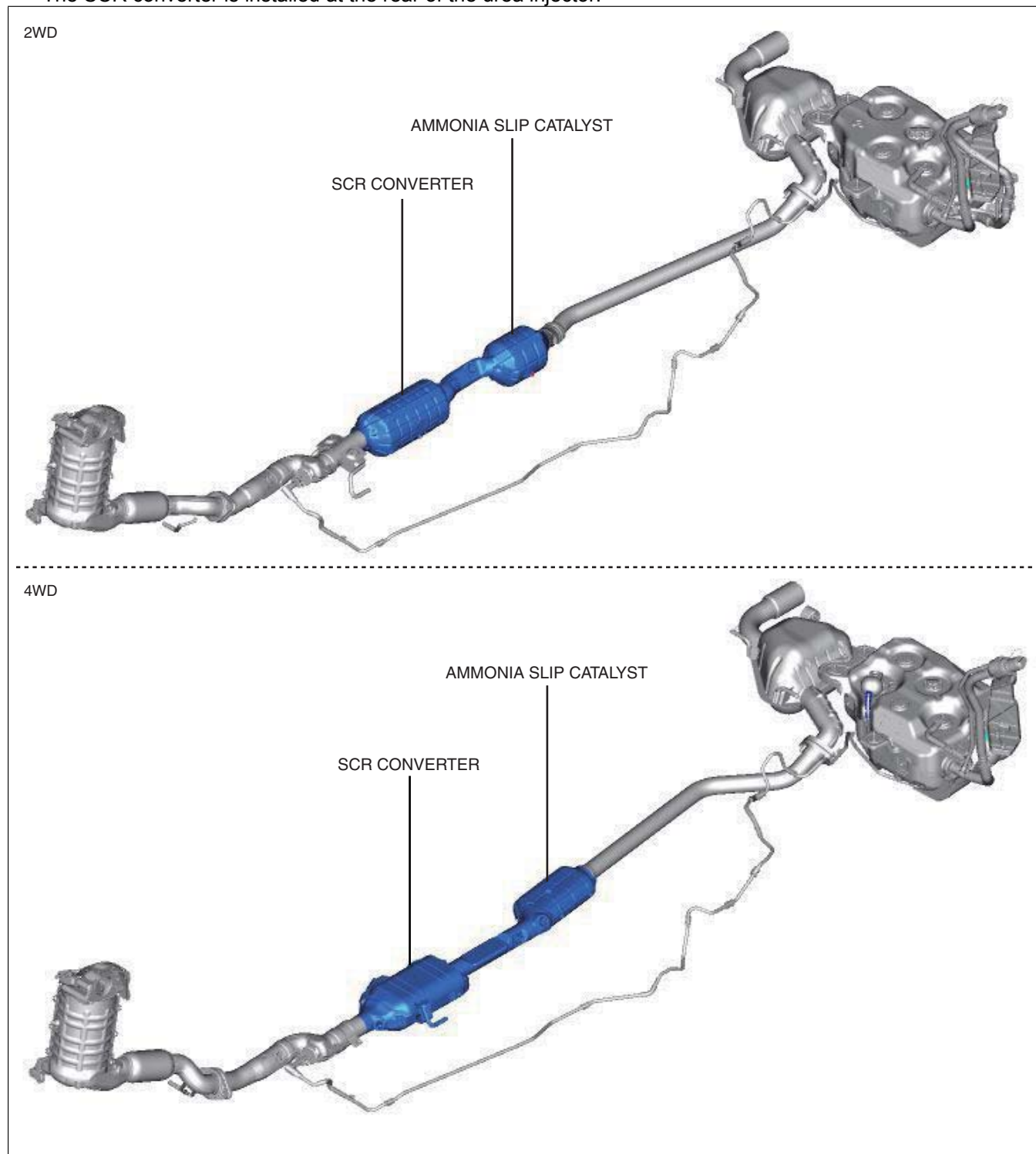
With SCR system

Purpose, Function

- The SCR converter purifies contaminants in the exhaust gas by utilizing chemical reactions.

Construction

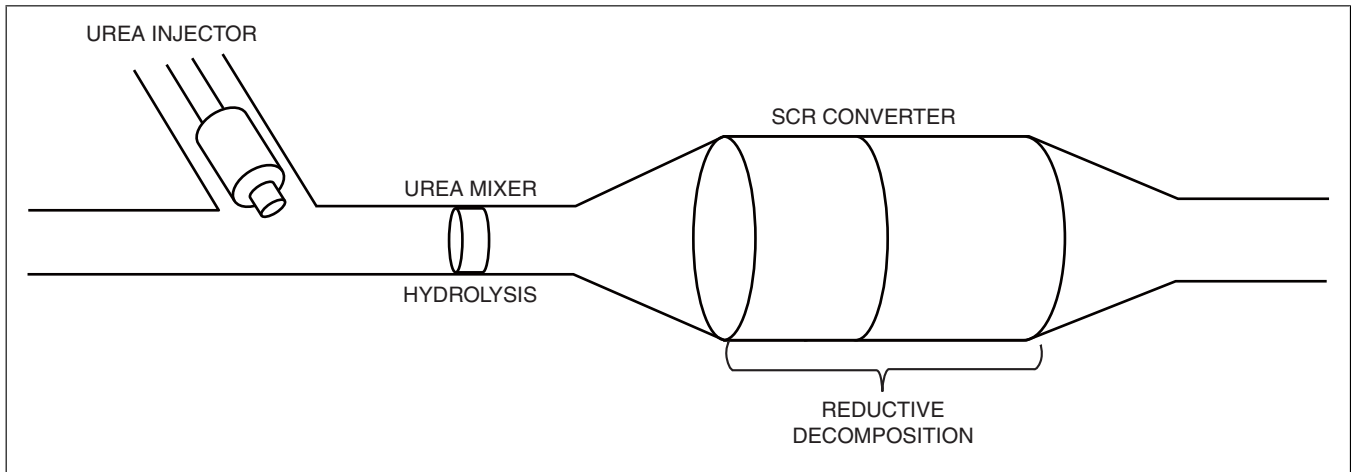
- The SCR converter is installed at the rear of the urea injector.



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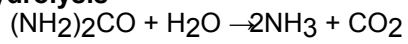
Operation

- The urea mixer mixes urea and exhaust gas and sends it to the SCR converter.
- The SCR converter stores the ammonia produced by the processes of pyrolysis and hydrolysis in the SCR catalyst. Noxious substances in the exhaust gas are converted to non-noxious nitrogen and water by utilizing the ammonia as a reducing agent.



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Hydrolysis



Reductive decomposition

