

Technical Newsflash

This TNF supersedes the following TNFs

- TNF 03/08 issued 11/01/08
- TNF 81/08 issued 28/11/08

Ref No.: TNF 33/09

Date: 01/05/09

Model: Land Cruiser VDJ200

Subject: AB60F 6-Speed Automatic Transmission – Shift Control

Background

This TNF provides field fix information and production improvement schedule for field complaints involving Land Cruiser VDJ200 fitted with the AB60F automatic transmission concerning the engagement and disengagement speeds for 6th gear.

The design intent of the Land Cruiser VDJ200, AB60F automatic transmission operation is to achieve an optimal balance between the vehicle's driveability, emissions and economy.

For owners who require to have 6th gear engagement earlier, a revised automatic transmission shift pattern has been developed that can be manually selected by the owner.

Automatic Transmission Shift Mapping Improvement

when "S" mode 6th gear is selected, the AB60F automatic transmission shift mapping has been revised.

- Improved 6th gear engagement at speeds from low to mid 90 km/h and;
- 6th gear maintained with increased throttle opening angle before downshift occurs.

Production Improvement

The engine ECU will be re-programmed to enable 6th gear to be selected at the lowest speed possible when "S" mode is selected.

Note

The actual speed that 6th gear will engage when "S" mode is selected will be vary depending on indicated speed accuracy between each vehicle.

- Up Shift - 5th to 6th gear engagement speed has now been reduced by 5km/h.
- Down Shift - 6th to 5th gear engagement speed has now been reduced by 8km/h.

Production Effective: (For Reference Only)

Model Code	VIN (Reference only)	Date
VDJ200	TBA	Target: The beginning of June 2009

Production breakpoints will be advised on implementation.