INITIALIZATION

1. AFS ECU INITIALIZATION NOTICE:

Steering neutral point automatic correction (AFS ECU INITIALIZATION) is necessary under the following condition.

- Disconnecting the battery.
- Replacing the steering sensor or AFS ECU.
- (a) Run the vehicle on the place where few curve or traffic congestion exist at least 100 m at the speed between 20 km/h (12 mph) and 80 km/h (48 mph). HINT:
 - Steering neutral point correction begins automatically when starting the engine immediately after installing the battery.
 - Steering neutral point correction is automatically performed by vehicle running. AFS operation is prohibited when steering neutral point automatic correction is not performed or during automatic correction.
 - AFS operation restarts when steering neutral point automatic correction is completed normally.
- 2. AFS ECU RE-INITIALIZATION (WHEN NOT USING INTELLIGENT TESTER)

NOTICE:

This operation manually initializes the steering sensor when AFS operation is not normal due to abnormal automatic correction after completion of AFS INITIALIZATION.

HINT:

- If it is necessary to initialize the steering sensor when not disconnecting the battery, it is also possible to re-set the signal from the steering sensor.
- When the centering point memorized in the steering sensor differs from the normal point, the AFS ECU malfunctions. In the case, re-initialize it.
- If the operation does not finish within a specified time period, the system goes off the AFS indicator light and starts steering neutral point automatic correction.

1 SHIFT TO INITIALIZATION

- (a) Engine is running and shift range is in the P position.
- (b) Press the AFS OFF switch eight times at approximately one-second interval (once for ON and once more for OFF, i.e. 4 times ON and 4 times OFF). HINT:
 - The AFS OFF indicator light starts to blink twice per second.
 - Initialization can be started when the AFS OFF switch is either in the "ON" or "OFF" position.
 - When the AFS OFF switch is pressed eight times, it will return to its original state.

2	INITIALIZATION OF AFS ECU		
	(a)		n the steering wheel to adjust the tires so that they nt straight ahead.
	(b)	Do AF HIN	not change the steering wheel position. Press the S OFF switch twice (once ON and once OFF). IT: The AFS OFF indicator light stays lit for two seconds
			When the AFS OFF switch is pressed twice, it will return to its original state.
	(c)	Do AF HIN	not change the steering wheel position and press the S OFF switch twice within 3 to 10 seconds. IT:
		•	The AFS OFF indicator light stays lit for two seconds When the AFS OFF switch is pressed twice, it will return to its original state.
	(d)		not change the steering wheel position and press the S OFF switch twice again within 3 to 10 seconds.
NEX			
3	3 CHECK COMPLETION OF AFS ECU INITIALIZATION		
	(a)	cor off,	en the initialization of the steering sensor signal is npleted normally, the AFS OFF indicator light goes comes on, or blinks depending on the specific idition 3 second after the indicator light goes off.
Result	Proveda		Denti
	Proceed to		Result Goes off: Initialization is started with the AFS OFF switch OFF

Α	Goes off: Initialization is started with the AFS OFF switch OFF (not pressed) Comes on: Initialization is started with the AFS OFF switch ON (pressed)
В	Blinks: Blinks twice per second
HIN	T:

- Failure to complete initialization. Proceed to step 2 within 10 seconds.
- If 10 seconds elapse, the system starts steering neutral point automatic correction.

A

END

3. AFS ECU RE-INITIALIZATION (WHEN USING INTELLIGENT TESTER) NOTICE:

This operation manually initializes the steering sensor when AFS operation is not normal due to abnormal automatic correction after completion of AFS INITIALIZATION.

HINT:

- If it is necessary to initialize the steering sensor when not disconnecting the battery, it is also possible to reset the signal from the steering sensor.
- When the centering point memorized in the steering sensor differs from the normal point, the AFS ECU malfunctions. In the case, re-initialize it.
- If the operation does not finish within a specified time period, the system goes off the AFS indicator light and starts steering neutral point automatic correction.
- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch to the ON position and press the intelligent tester main switch ON.
- (c) Select "STEER SENS INIT" on "DIAGNOSTICS MENU AFS" display.
- (d) Turn the steering wheel with the engine starting until the tires face straight ahead, and press "ENTER".
- (e) Check "CONFIRM" display and press "YES". NOTICE:

Do not turn the steering wheel while initializing and keep the tires facing straight ahead.

(f) Check the display for completion of the operation. HINT:

If the operation above cannot be completed after several attempts, a malfunction in the steering sensor circuit is suspected.