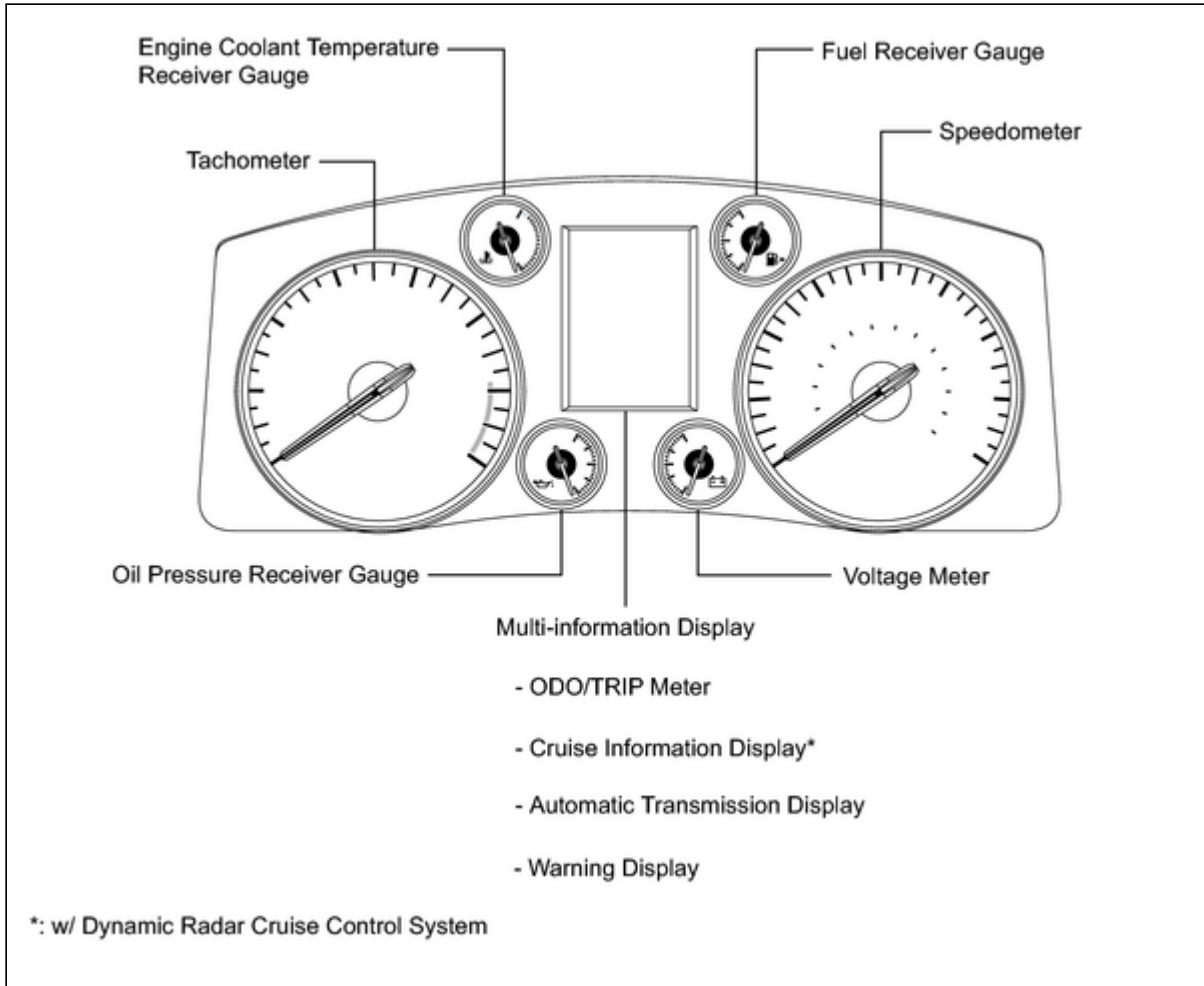


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Model Year Start: 2013	Model: LX570	Prod Date Range: [01/2012 -]
Title: METER / GAUGE / DISPLAY: METER / GAUGE SYSTEM: SYSTEM DESCRIPTION; 2013 MY LX570 [01/2012 -]		

SYSTEM DESCRIPTION

1. METER GAUGE AND WARNING/INDICATOR





















Meter/Gauge









ITEM	DETAILS
Speedometer	Based on a signal received from the wheel speed sensor, the skid control ECU calculates the vehicle speed and transmits data to the combination meter (CAN).
Tachometer	The combination meter receives an engine speed signal from the ECM and the gauge needle operates (CAN).
ODO/TRIP meter	<ul style="list-style-type: none"> The combination meter receives a vehicle speed pulse integration signal from the skid control ECU and the ODO/TRIP meter display operates (CAN). Using the ODO/TRIP switch, the ODO/TRIP meter display changes.
Fuel receiver gauge	The combination meter receives fuel amount information measured by the fuel sender gauge and the gauge needle operates (Direct line).







ITEM	DETAILS
Engine coolant temperature receiver gauge	The combination meter receives an engine coolant temperature signal from the ECM and the gauge needle operates (CAN).
Oil pressure receiver gauge	The combination meter receives an engine speed signal from the ECM (CAN) and receives an oil pressure sender signal from the oil pressure sender (Direct line). Then the meter measures signals and the gauge needle operates.
Voltage meter	Monitors IG voltage and the gauge needle operates (Direct line).

Warning/Indicator

ITEM	DETAILS
BEAM indicator light 	Receives signals from the main body ECU (CAN).
FRONT FOG indicator light 	The indicator turns on when a FRONT FOG illumination command signal is received (CAN).
A/T P warning light 	Receives a shift position P signal and transfer neutral signal, and activates the warning light (CAN).
SRS warning light 	Receives malfunction signals from the center airbag sensor (CAN).
DOOR indicator light 	The open door indicator comes on when a signal is received from the main body ECU (CAN).
Driver side seat belt warning light 	Receives driver seat belt signals (unfastened) from the main body ECU (CAN).
Brake warning light*1 	<ul style="list-style-type: none"> Comes on when the parking brake switch is on (CAN). Comes on when the brake fluid level warning switch is on (Direct line). Comes on when the vehicle stability control system is malfunctioning.
Brake warning light*2 	
CHARGE warning light 	Receives malfunction signals from the generator (Direct line).

ITEM	DETAILS
4LO indicator light 4LO	Receives 4LO indicator light signals from the four wheel drive control ECU (CAN).
ABS warning light*1 ABS	Receives malfunction signals from the skid control ECU (CAN).
ABS warning light*2 	
MIL*1 	Receives malfunction signals from the ECM (Direct line).
MIL*2 	
Security warning light 	Receives security warning light signals from the certification ECU (smart key ECU assembly) (Direct line).
CLEARANCE SONAR indicator light*3 	Receives CLEARANCE SONAR indicator signals from the parking assist ECU (CAN).
ACCESS MODE indicator light 	Receives ACCESS MODE indicator signals from the suspension control ECU (CAN).
AFS OFF indicator light AFS OFF	Receives AFS OFF indicator signals from the headlight swivel ECU assembly (CAN).
FUEL warning light 	Receives fuel empty signals from the fuel sender gauge (Direct line).
SLIP indicator light 	Receives malfunction signals from the skid control ECU (CAN).
Cruise control indicator light 	Receives a cruise control on signal or malfunction signal from the ECM (CAN).

ITEM	DETAILS
HEAD indicator light*1 	Receives a taillight or headlight signal from the main body ECU (CAN)
TAIL indicator light*2 	Receives a taillight or headlight signal from the main body ECU (CAN).
Turn signal indicator light (LH/RH) 	Receives a turn signal from the FLASHER relay (Direct line).
RSCA OFF indicator light RSCA OFF	Receives an RSCA OFF signal from the center airbag sensor (Direct line).
Tire pressure warning light 	Receives a low tire pressure signal from the tire pressure warning ECU (CAN).
Master warning light 	Receives warning signals from sensors and ECUs (Direct line and CAN).
CRAWL indicator light 	Receives a CRAWL switch ON signal from the skid control ECU (CAN).
ECT PWR indicator light ECT PWR	Receives an ECT PWR switch ON signal from the ECM (CAN).
2nd START indicator light 2nd STRT	Receives a 2nd START switch ON signal from the ECM (CAN).
Center differential lock indicator light 	Receives a center differential lock switch ON signal from the four wheel drive control ECU (CAN).
PCS indicator light*4 PCS	Receives a PCS indicator light signal from the seat belt control ECU (CAN).
VSC OFF indicator light 	Receives VSC control off signal or VSC system fail-safe control signal from skid control ECU (CAN).

ITEM	DETAILS
Automatic high beam indicator light*5 	Receives automatic high beam indicator signals from the main body ECU (CAN).
Multi-terrain select indicator light 	Receives a multi-terrain select indicator light signal from the skid control ECU (CAN).
Turn assist indicator light 	Receives a turn assist indicator light signal from the skid control ECU (CAN).
SET indicator light 	The indicator turns on when a SET indicator signal is received (CAN).
Radar cruise control indicator light*6 	The indicator turns on when a radar cruise control indicator signal is received (CAN).
Eco driving indicator light 	Receives the signals necessary for operation from the ECM and the skid control ECU (CAN).
A/T P shift position indicator	Receives a P signal from the ECM (CAN).
A/T R shift position indicator	Receives an R signal from the ECM (CAN).
A/T N shift position indicator	Receives an N signal from the ECM (CAN).
A/T D shift position indicator	Receives a D signal from the ECM (CAN).
A/T S (1 to 6) shift position indicator	Receives a signal (1 to 6) from the ECM (CAN).

*1: for U.S.A.

*2: except U.S.A.

*3: w/ Intuitive Parking Assist System

*4: w/ Pre-collision System

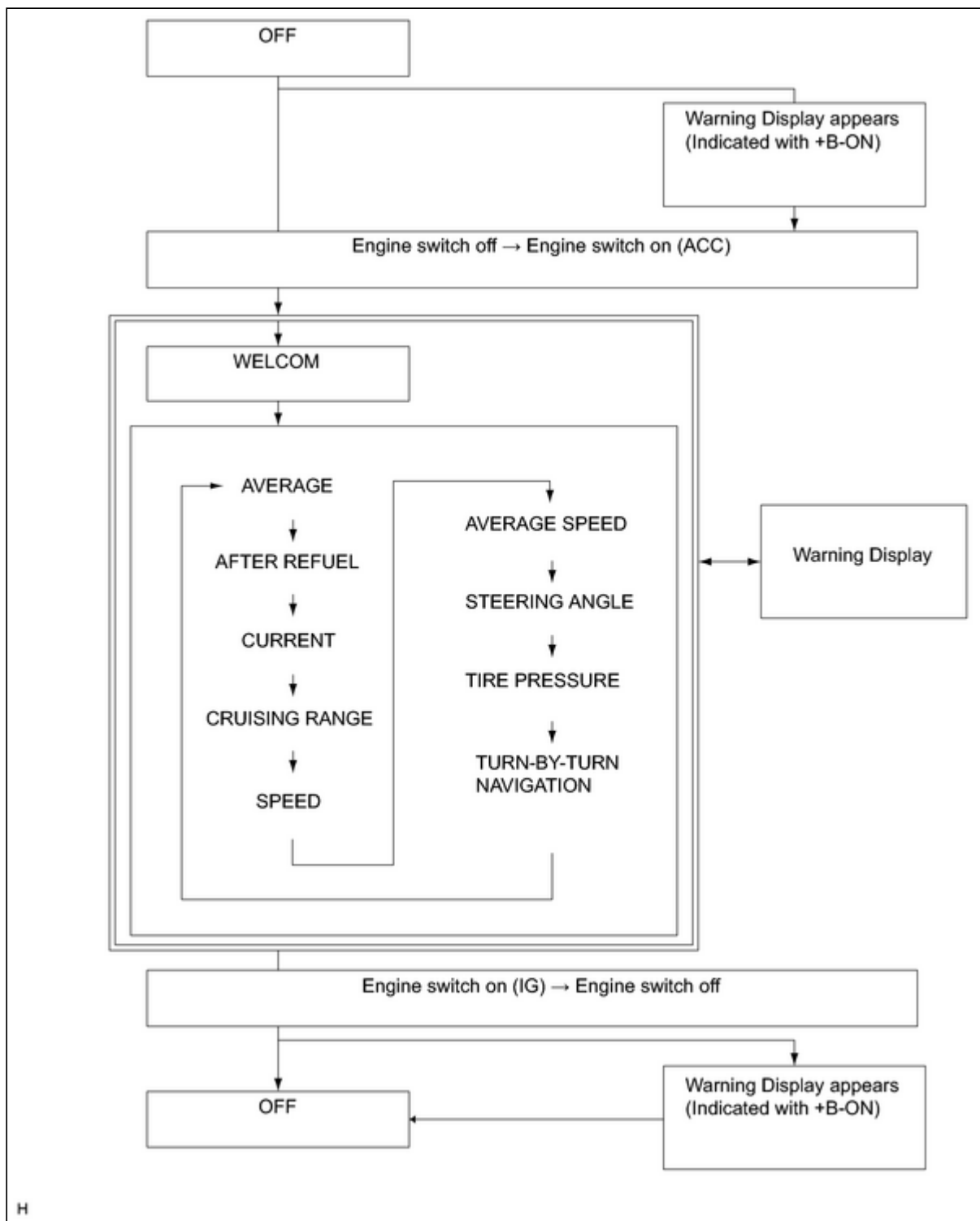
*5: w/ Automatic High Beam System

*6: w/ Dynamic Radar Cruise Control System

2. MULTI-INFORMATION DISPLAY

When the DISP switch is pressed, the multi-information display is changed between the following: cruise information display and warning display.

(a) Basic Flowchart.



3. ECO DRIVING INDICATOR LIGHT SETTING

HINT:

- The eco driving indicator light can be deactivated by changing the setting.
- When the eco driving indicator light is deactivated, the indicator and warning light check is not performed.

(a) Setting eco driving indicator light.

(1) Display the odometer screen.

(2) Press and hold the ODO/TRIP switch for five seconds or more to display the settings screen.

- (3) After selecting "ON" or "OFF", press and hold the ODO/TRIP switch for 2 seconds or more to exit the settings screen.

