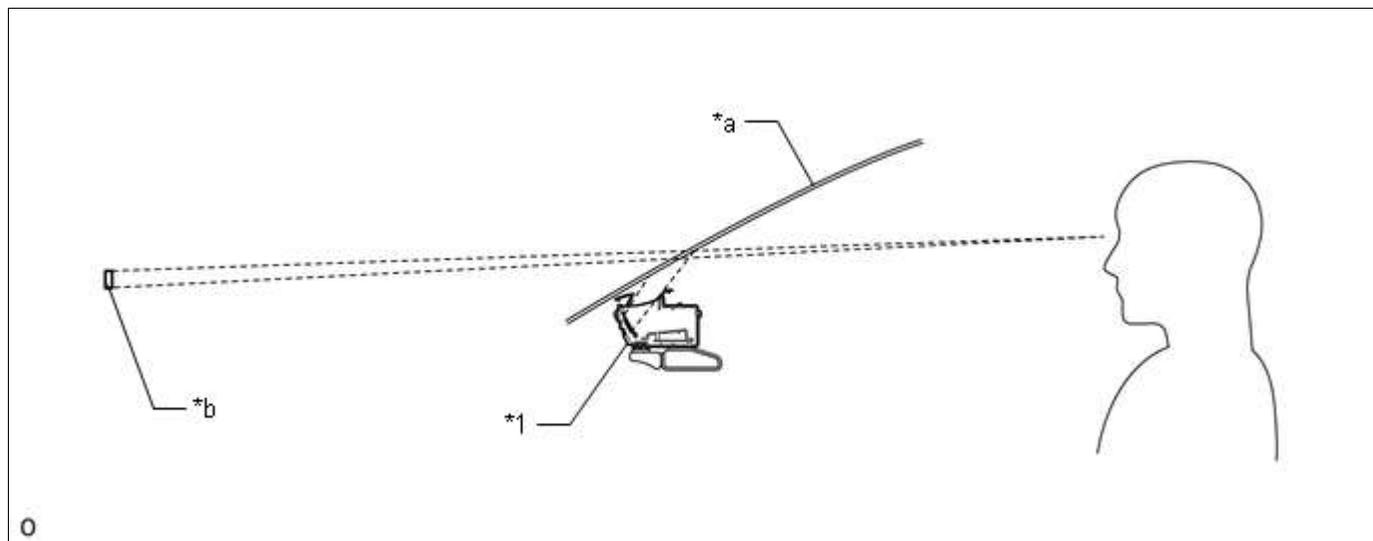


Last Modified: 09-15-2016	6.6 00	Doc ID: NM100000000RFUP
Model Year Start: 2016	Model: GS F	Prod Date Range: [10/2015 -]
Title: METER / GAUGE / DISPLAY: METER / GAUGE SYSTEM: HEADUP DISPLAY; 2016 - 2017 MY GS F [10/2015 -]		

HEADUP DISPLAY

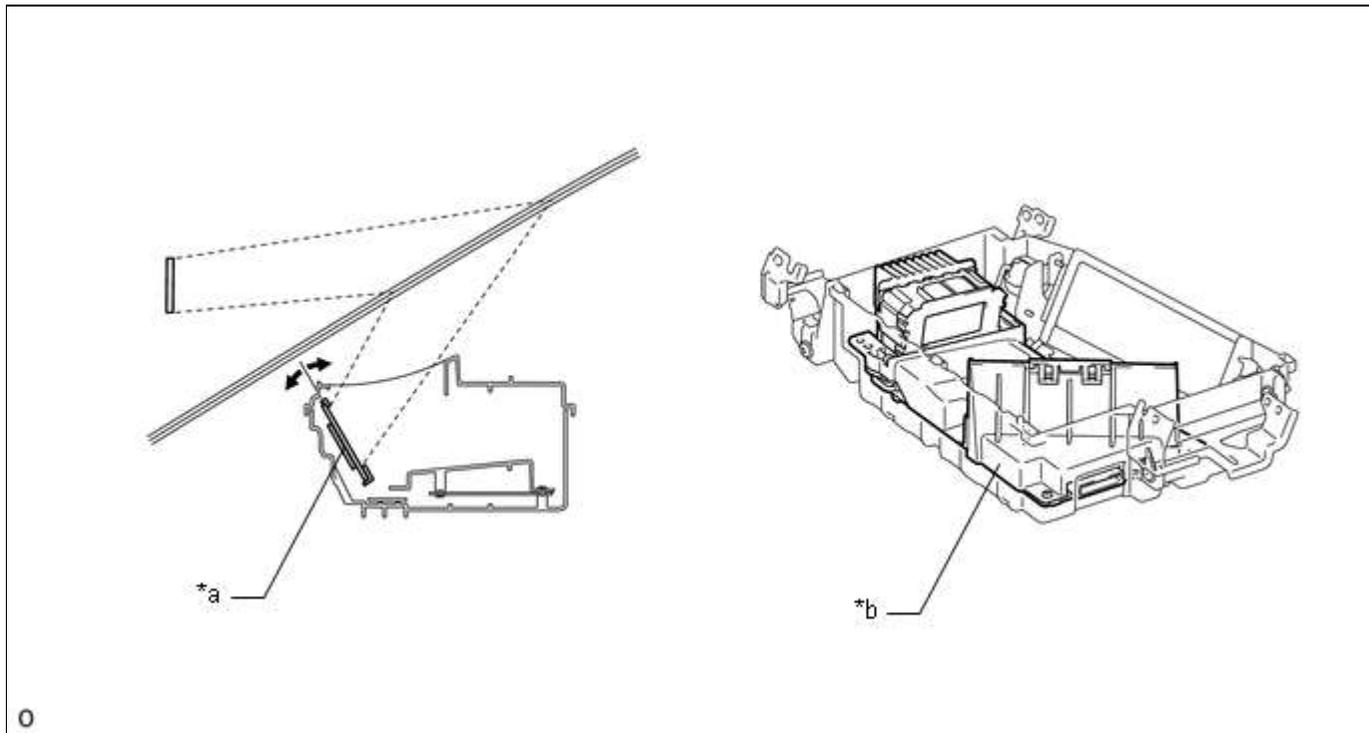
FUNCTION

- (a) The headup display shows information on the windshield glass through the combination meter mirror ECU. The headup display gives the appearance of being displayed ahead of the vehicle.



*1	Combination Meter Mirror ECU	-	-
*a	Windshield Glass	*b	Display Area

- (b) By changing the angle of the concave mirror, the position of the image displayed can be adjusted.



*a	Concave Mirror	*b	ECU
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(c) The headup display indicates as follows:

DISPLAY	OUTLINE
Vehicle Speed	The vehicle speed is displayed.
Sport Mode A	The tachometer and shift position are shown on the display.
Sport Mode B	The rev indicator and shift position are shown on the display.
Turn-by-turn Navigation*1	Turn-by-turn navigation information is displayed based on the signal from the radio receiver assembly.
Audio	<ul style="list-style-type: none"> • Audio information is displayed based on the signal from the radio receiver assembly. • The audio mode can be turned on or off by using a customization function.
Dynamic Radar Cruise Control Warning*2	Dynamic radar cruise control warning display indicates when the vehicle is nearing the vehicle ahead during the vehicle-to-vehicle control.
Pre-collision System Warning*2	The pre-collision system warning display will interrupt the current information immediately when a warning occurs.
Lane Departure Alert Warning*2	The lane departure alert system is displayed when the vehicle is out of its lane.
Speed Limit	<ul style="list-style-type: none"> • Speed limit information is displayed based on the signal from the radio receiver assembly.

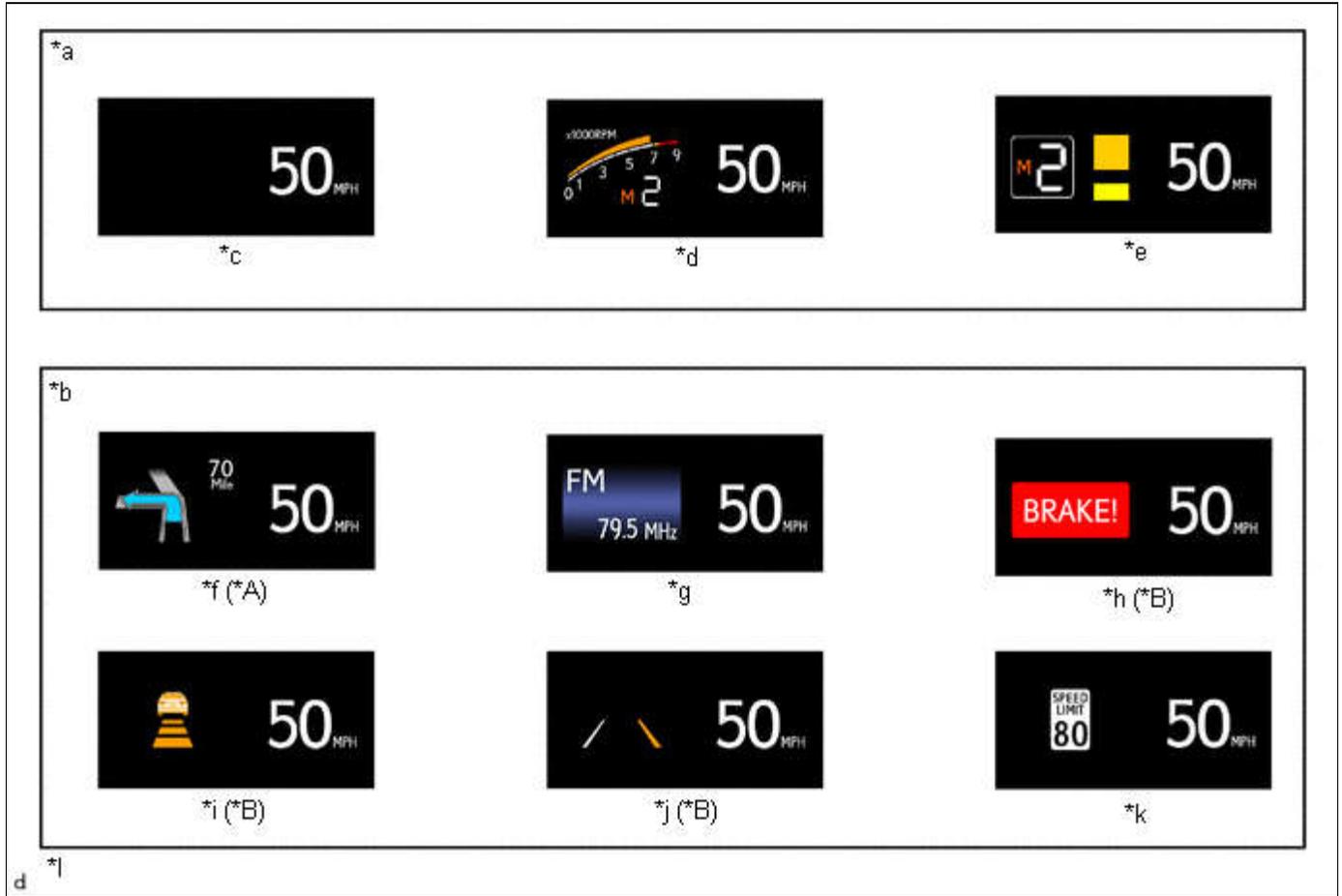
*1: Models with navigation system

*2: Models with lexus safety system +

DISPLAY	OUTLINE
	<ul style="list-style-type: none"> The speed limit information can be turned on or off by using a customization function.

*1: Models with navigation system

*2: Models with lexus safety system +

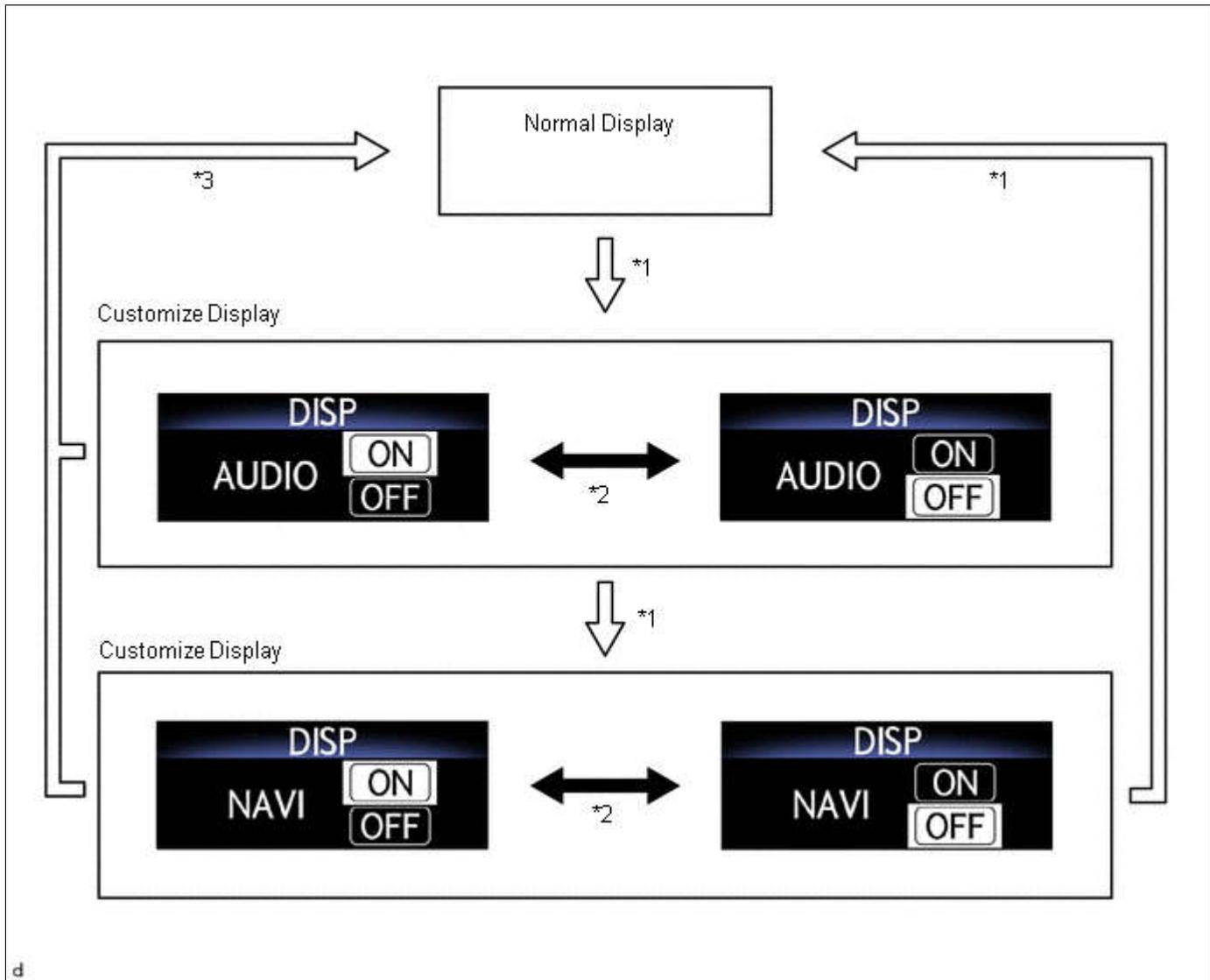


*A	Models with Navigation System	*B	Models with Lexus Safety System +
*a	Normal Condition	*b	Interrupt Condition or Warning Condition
*c	Vehicle Speed Display	*d	Sport Mode A
*e	Sport Mode B	*f	Turn-by-turn Navigation Display
*g	Audio Display	*h	Pre-collision System Warning Display
*i	Dynamic Radar Cruise Control Warning Display	*j	Lane Departure Alert Warning Display
*k	Speed Limit Display	*l	The illustrations shown are examples only. The illustrations may differ from the actual vehicle screen.

(d) Customize Display

- (1) By pressing and holding the DISP switch (headup display main switch assembly) for 1.5 minutes or more, the headup display will be changed from normal mode to customization function mode. The

following transitions will occur after entering customization function mode:



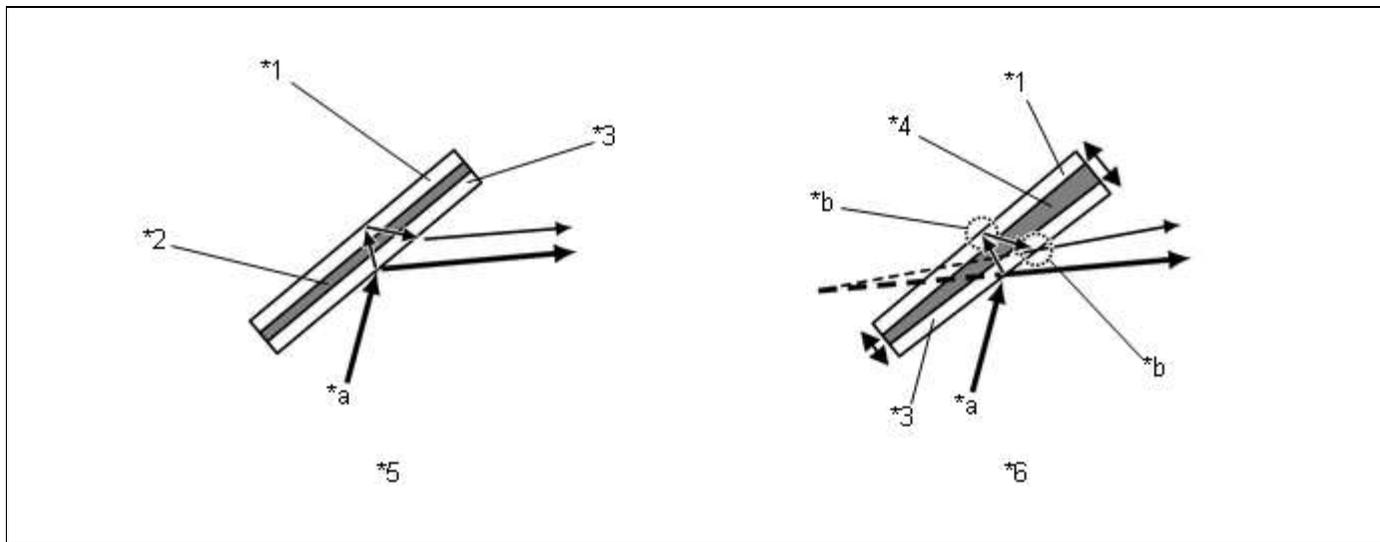
NO.	CONDITION
*1	The DISP switch (headup display main switch assembly) is pressed for 1.5 seconds or more when the vehicle speed is 8 km/h (5 MPH) or less.
*2	The DISP switch (headup display main switch assembly) is pressed for less than 1.5 seconds when the vehicle speed is 8 km/h (5 MPH) or less.
*3	The vehicle speed is 8 km/h (5 MPH) or more, or the headup display has not been operated for 3 seconds.

(e) Windshield Glass for Headup Display

- (1) Windshield glass without a combiner treatment is used for the headup display.
- (2) This glass has a wedge-shaped inner PVC film. This film, with its varying thickness, is located between the outer and inner layers of glass.
- (3) The light that strikes the glass is reflected by the inner surface of the inner glass, and also by the inner side of the outer surface of outer layer of glass. With a conventional windshield, the light reflected from these 2 surfaces diverges due to the thickness of the glass, resulting in a double image.
- (4) The PVC film uses its wedge shape to eliminate the reflection angle difference between the outer glass

and inner glass. As a result, the reflected light is displaced to reduce double images.

(5) Thus, the reflected light from the headup display unit is recognized by the driver as a single display image.



*1	Outer Glass	*2	PVC Film
*3	Inner Glass	*4	Wedge-shaped PVC Film
*5	Windshield Glass with Normal PVC Film	*6	Windshield Glass with Wedge-shaped PVC Film
*a	Visible Light Reflected by Inner Glass	*b	Reflection Angle Changed

