
Instrument Panel Cluster (IPC) - Overview

Base Part Number: 10849

Overview

The IPC uses the following methods and functionality to alert the driver of vehicle conditions:

- gauges
- informational indicators
- warning indicators
- warning messages
- warning chimes

The base IPC uses a dot matrix message center display to display driver information.

The mid-level IPC uses a single centered 4.2" screen to display driver information.

The high-level IPC uses dual RH and LH 4.2" thin film transistor screens to display driver information.

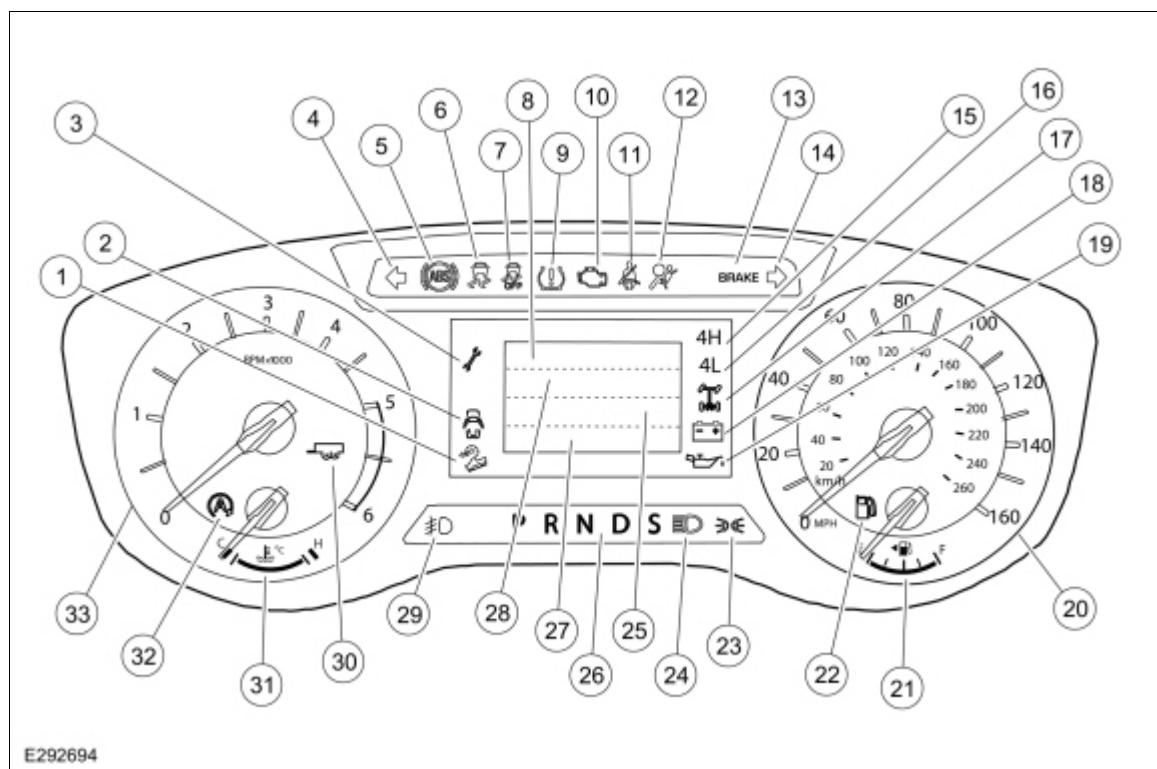
The LH display screen contains the virtual gauge displays and message center information. The RH display screen displays multimedia information (audio, phone and navigation), as well as items such as vehicle direction, outside air temperature and time.

The dual screen message center IPC utilizes mostly virtual gauges. Virtual gauges are video displays that provide information in a unique format. The exception is the speedometer, which is still an analog-type gauge. Each virtual gauge is somewhat different in how it is displayed.

Informational indicators inform the driver of conditions that exist in the vehicle. Warning indicators provide information to the driver of conditions that could potentially cause personal injury or alter vehicle performance.

IPC RTT indicators illuminate in the message center and replace the typical informational or warning indicator, using the same graphical representation. The message center displays RTT indicators in both fixed locations and in a rotating display where they are turned on in the order the request was received by the IPC.

Base IPC

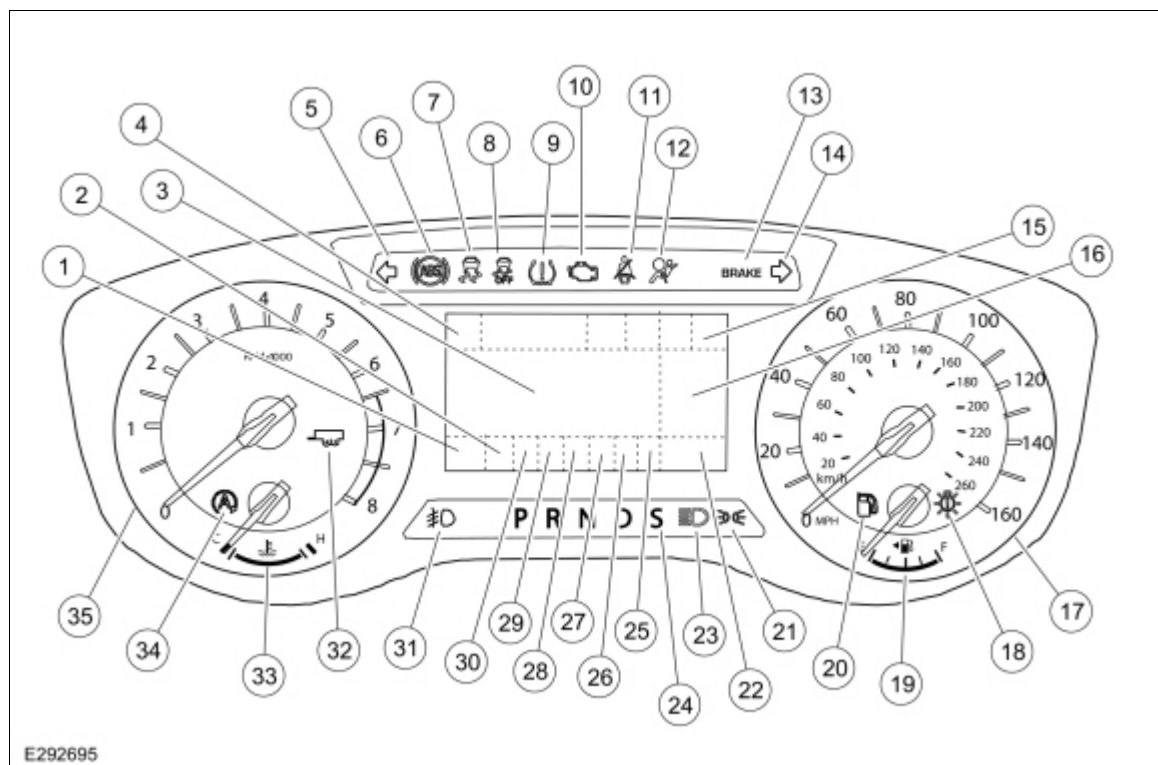


Base IPC

Item	Description
1	<u>HDC</u> indicator
2	Door ajar indicator
3	Powertrain malfunction (wrench) indicator
4	<u>LH</u> turn indicator
5	<u>ABS</u> warning indicator
6	Stability-traction control (sliding car icon) warning indicator
7	Stability-traction control disabled (sliding car off icon) warning indicator
8	- Rotating <u>RTI</u> indicators: - SelectShift - Cruise control - Compass - Outside air temperature - Rear differential lock
9	<u>TPMS</u> indicator
10	<u>MIL</u>
11	Seatbelt warning indicator/BeltMinder®
12	Airbag warning indicator
13	Brake warning indicator
14	<u>RH</u> turn signal indicator
15	4WD High

16	4WD Low
17	Rear differential lock indicator
18	Charging system warning indicator
19	Low engine oil pressure warning indicator
20	Speedometer
21	Fuel gauge
22	Low fuel warning indicator
23	Lights on indicator
24	High beam indicator
25	Trip odometer display
26	PRNDS display
27	Odometer display
28	Cruise control set speed display
29	Front fog lamp indicator
30	Tow/haul indicator
31	Temperature gauge
32	Auto stop-start indicator
33	Tachometer

Mid-Level IPC

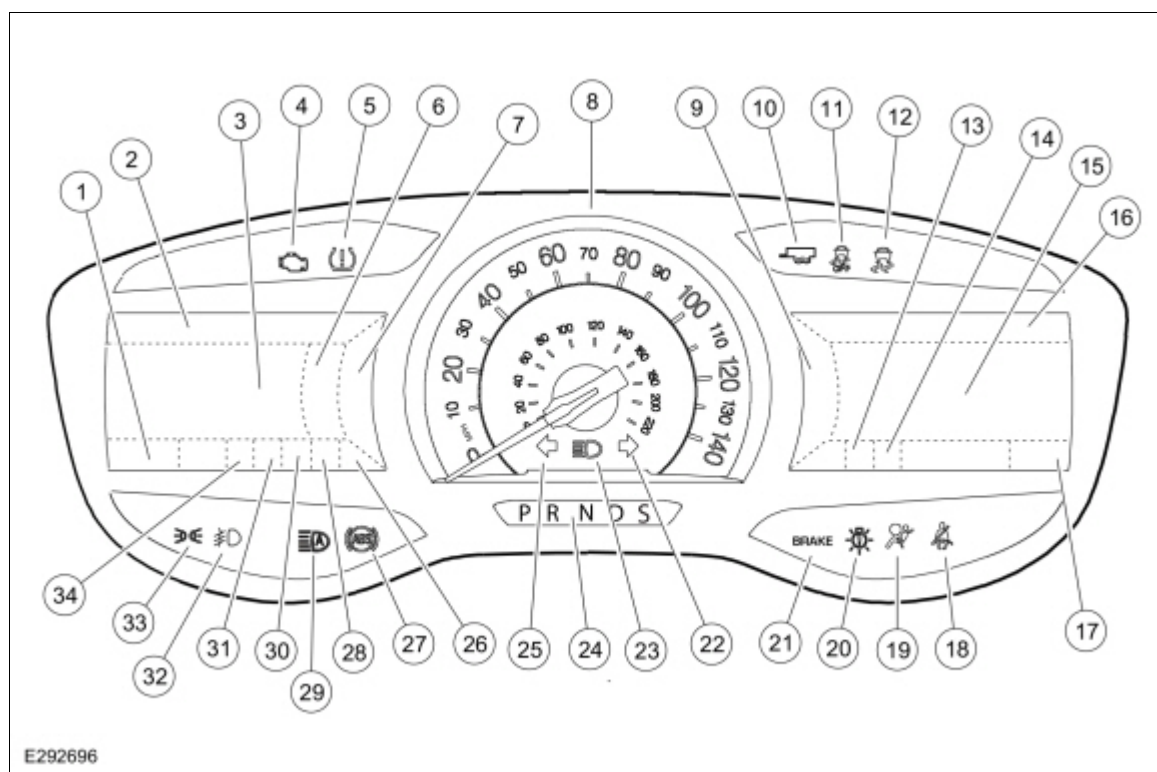


Mid-Level IPC

Item	Description
1	- SelectShift <u>RTT</u> indicators - Auto stop-start disabled <u>RTT</u> indicator
2	SelectShift gear position
3	Message center display
4	Terrain management drive mode <u>RTT</u> indicators
5	<u>LH</u> turn signal indicator
6	<u>ABS</u> warning indicator
7	Stability-traction control (sliding car icon) warning indicator
8	Stability-traction control disabled (sliding car off icon) warning indicator
9	<u>TPMS</u> indicator
10	<u>MIL</u>
11	Seatbelt warning indicator /BeltMinder®
12	Airbag warning indicator
13	Brake warning indicator
14	<u>RH</u> turn signal indicator
15	- Rotating <u>RTT</u> indicators: - Cruise control set speed display - Hill descent control - Trail control
16	- Rotating <u>RTT</u> indicators: - Driver assist information - Lane keep assist - Distance indication - Pre-collision assist distance alert
17	Speedometer
18	LED low beam headlamp out
19	Fuel gauge
20	Low fuel warning indicator
21	Parklamps/headlamps on
22	Odometer display
23	High beam indicator
24	PRNDS display
25	- Rotating <u>RTT</u> indicators: - Lane departure warning - Lane keeping assist on - Forward collision warning alert - Distance alert
26	- Rotating <u>RTT</u> indicators: 4WD Low 4WD High

	- Rear locking differential
27	• Rotating <u>RTT</u> indicators: - <u>BLIS</u> off - Rear seatbelt warning
28	• Rotating <u>RTT</u> indicators: - Engine over-temperature - Powertrain malfunction (wrench) - Low washer fluid
29	• Rotating <u>RTT</u> indicators: - Door ajar - Hood ajar
30	• Rotating <u>RTT</u> indicators: - Auto high beam - Low engine oil pressure - Charging system - Low fuel
31	Front fog lamp indicator
32	Tow/haul indicator
33	Temperature gauge
34	Auto stop-start indicator
35	Tachometer

High-Level IPC



High-Level IPC

Item	Description
1	Odometer display
2	• Rotating <u>RTT</u> indicators: - Terrain management drive modes - 4WD low - 4WD high - Auto stop-start
3	Message center menu display
4	<u>MIL</u> indicator
5	<u>TPMS</u> indicator
6	Virtual fuel gauge
7	Virtual tachometer
8	Speedometer
9	• Audio settings display • Navigation display • Phone settings display • Progressive range select display
10	Tow/haul indicator
11	Stability-traction control disabled (sliding car off icon) warning indicator
12	Stability-traction control (sliding car icon) warning indicator
13	Outside temperature display
14	Compass display
15	Message center audio display
16	Audio/Navigation/phone selection display
17	Clock display
18	Seatbelt warning indicator/BeltMinder®
19	Airbag warning indicator
20	LED low beam out indicator
21	Brake warning indicator
22	RH turn indicator
23	High beam indicator
24	PRNDS display
25	LH turn indicator
26	SelectShift gear indicator
27	<u>ABS</u> warning indicator
28	SelectShift up/down indicators
29	Auto high beam indicator
30	• Rotating <u>RTT</u> indicators: - Rear locking differential - <u>BLIS</u> off - Engine oil pressure

	- Charging system - Low fuel - Engine over-temperature - Powertrain malfunction (wrench) - Door ajar - Hood ajar
31	• Rotating <u>RTT</u> indicators: - Low washer fluid - Rear seatbelt
32	Front fog lamp indicator
33	Lights on indicator
34	• Rotating <u>RTT</u> indicators: - Cruise control/adaptive cruise control - Hill descent control - Trail control

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