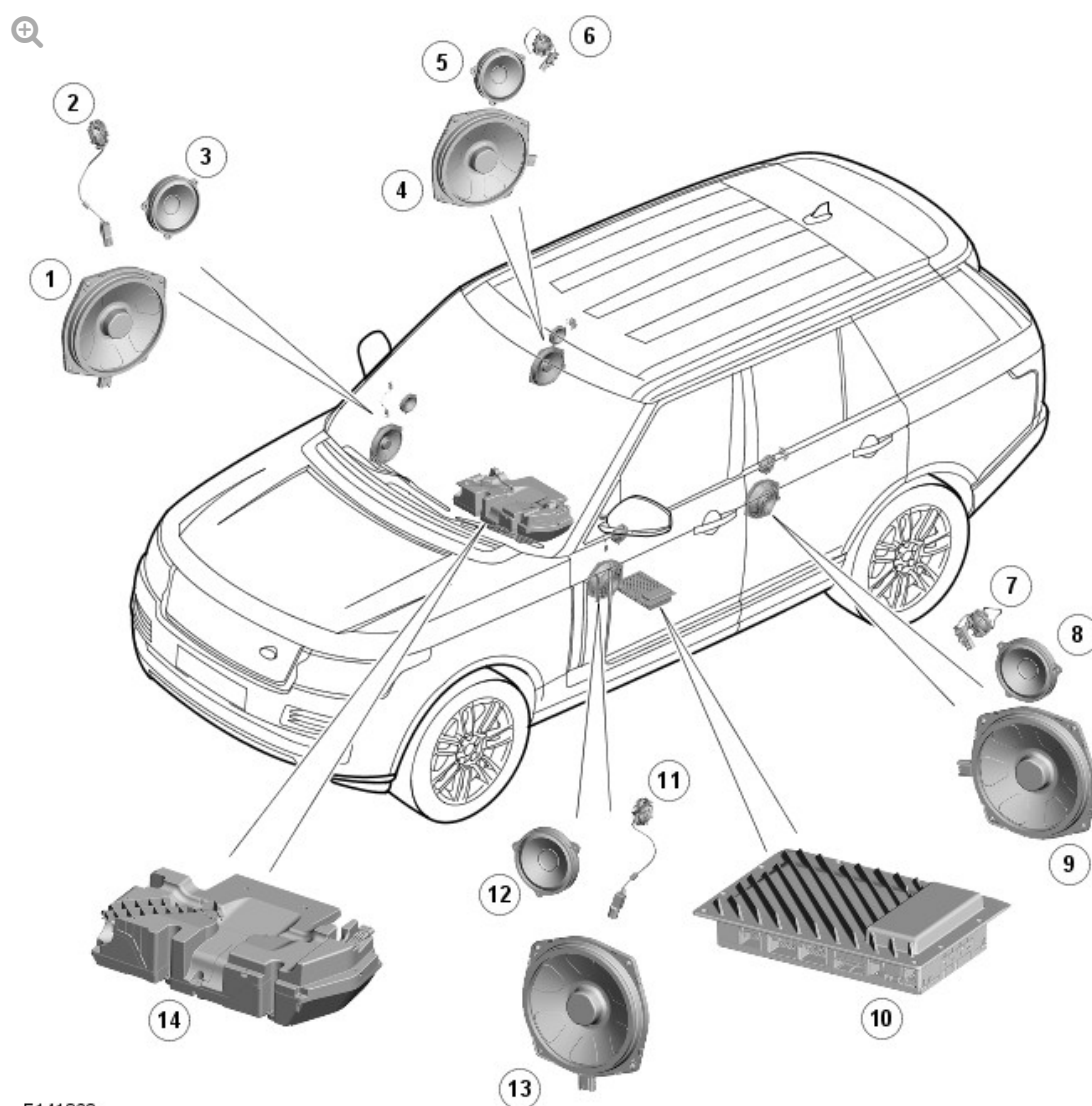


2016.0 RANGE ROVER (LG), 415-01

# INFORMATION AND ENTERTAINMENT SYSTEM

DESCRIPTION AND OPERATION

## COMPONENT LOCATION - MERIDIAN SYSTEM

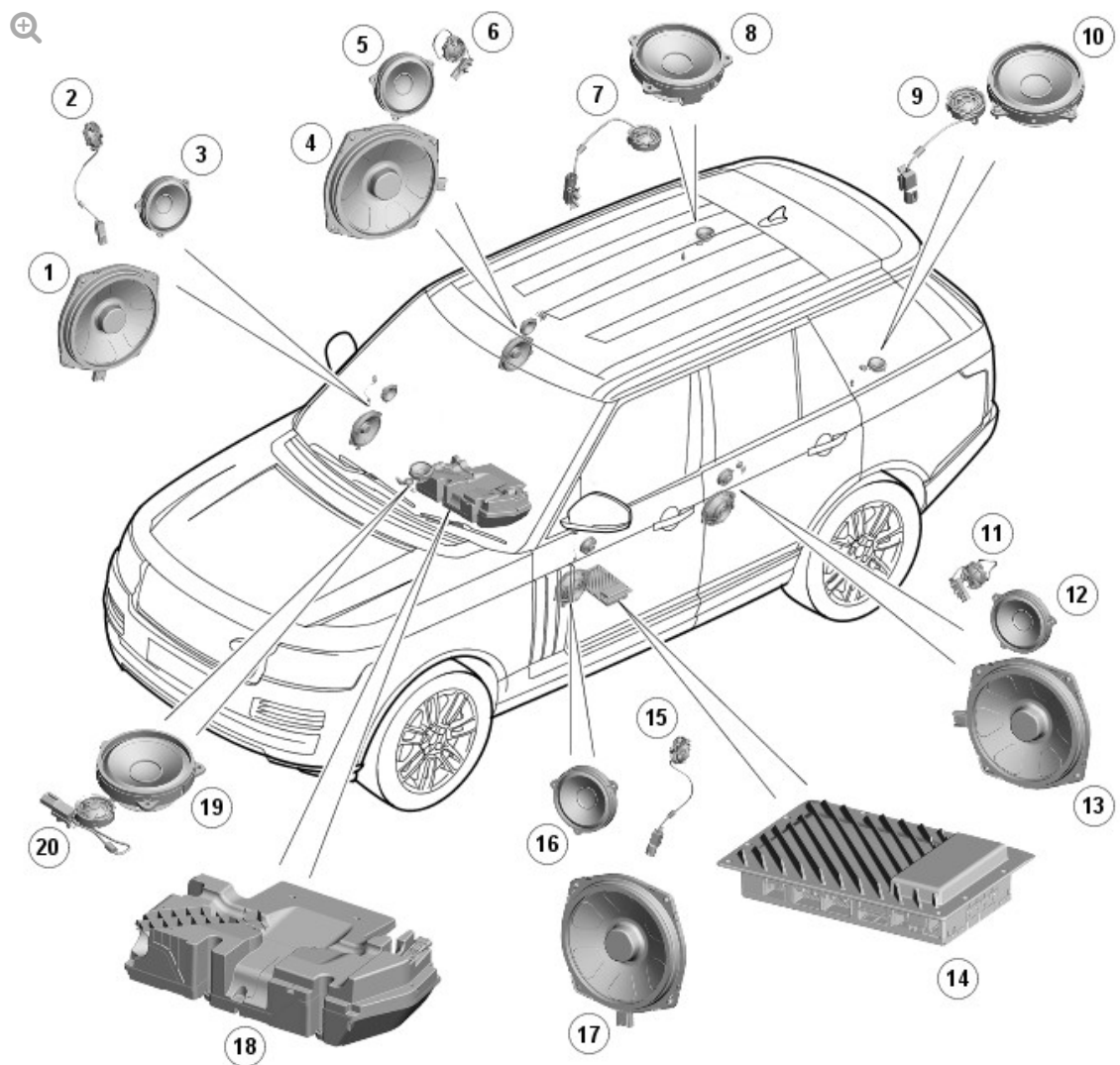


E141863

ITEM	DESCRIPTION
1	Front right door bass speaker
2	Front right door tweeter speaker
3	Front right door mid-range speaker
4	Rear right door bass speaker
5	Rear right door mid-range speaker
6	Rear right door tweeter speaker
7	Rear left door tweeter speaker
8	Rear left door mid-range speaker
9	Rear left door bass speaker
10	Audio amplifier module
11	Front left door tweeter speaker
12	Front left door mid-range speaker
13	Front left door bass speaker
14	Sub-woofer

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## COMPONENT LOCATION - MERIDIAN SURROUND SYSTEM



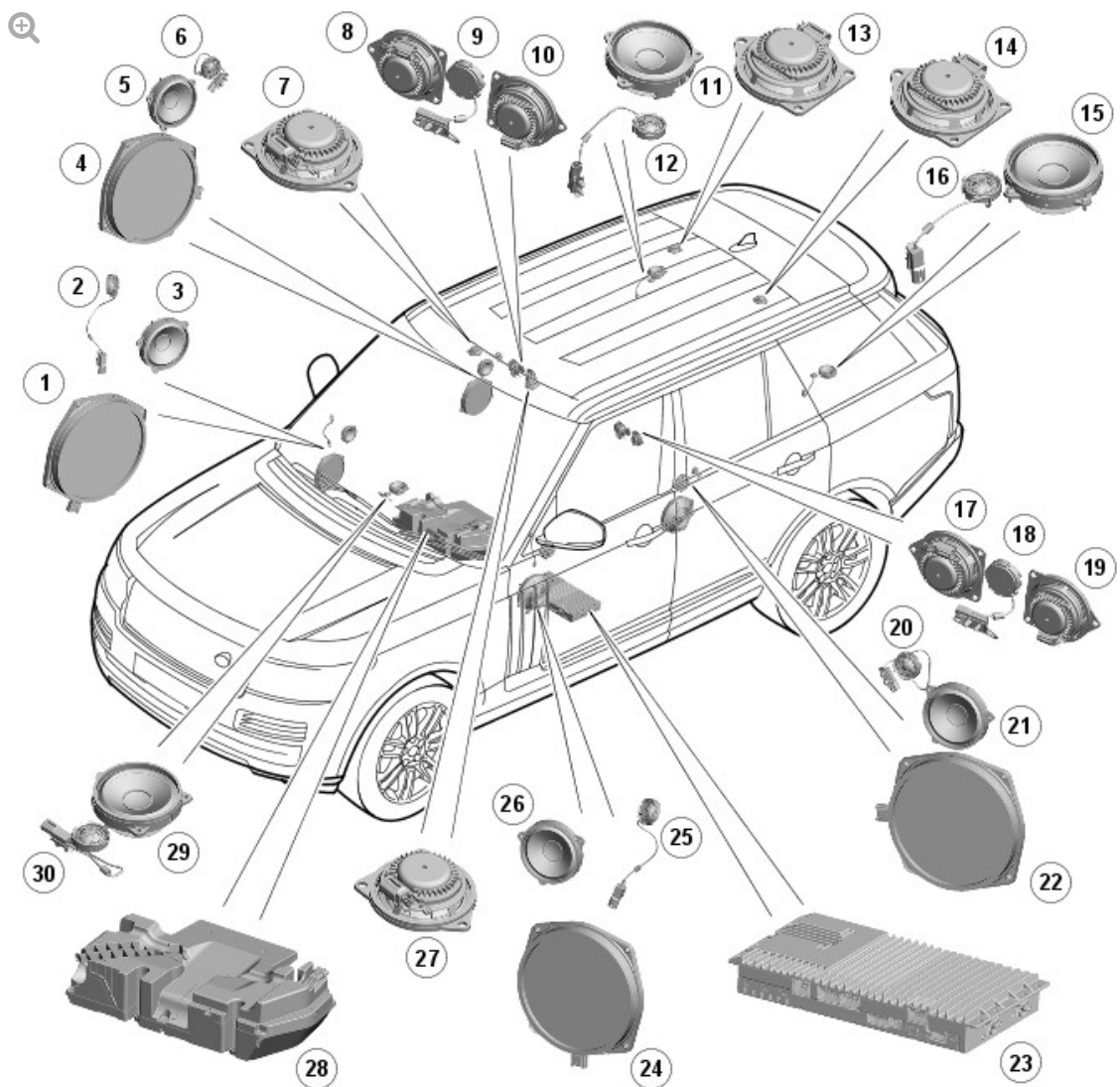
E141864

ITEM	DESCRIPTION
1	Front right door bass speaker
2	Front right door tweeter
3	Front right door mid-range speaker
4	Rear right door bass speaker
5	Rear right door mid-range speaker
6	Rear right door tweeter speaker
7	Luggage compartment right tweeter speaker
8	Luggage compartment right mid-range speaker
9	Luggage compartment left tweeter speaker
10	Luggage compartment left mid-range speaker

11	Rear left door tweeter speaker
12	Rear left door mid-range speaker
13	Rear left door bass speaker
14	Audio amplifier module
15	Front left door tweeter speaker
16	Front left door mid-range speaker
17	Front left door bass speaker
18	Sub-woofer
19	Instrument panel mid-range speaker
20	Instrument panel tweeter speaker

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## COMPONENT LOCATION - MERIDIAN SIGNATURE REFERENCE SYSTEM



E141865

ITEM	DESCRIPTION
1	Front right door bass speaker
2	Front right door tweeter speaker
3	Front right door mid-range speaker
4	Rear right door bass speaker
5	Rear right door mid-range speaker
6	Rear right door tweeter speaker
7	Front right headliner low profile mid-range speaker
8	Right head restraint low profile mid-range speaker - outer
9	Right head restraint tweeter speaker
10	Right head restraint low profile mid-range speaker - inner

11	Rear right luggage compartment low profile mid-range speaker
12	Rear right luggage compartment tweeter speaker
13	Rear right headliner low profile mid-range speaker
14	Rear left headliner low profile mid-range speaker
15	Rear left luggage compartment low profile mid-range speaker
16	Rear left luggage compartment tweeter speaker
17	Left head restraint low profile mid-range speaker - inner
18	Left head restraint tweeter speaker
19	Left head restraint low profile mid-range speaker - outer
20	Rear left door tweeter speaker
21	Rear left door mid-range speaker
22	Rear left door bass speaker
23	Audio amplifier module
24	Front left door bass speaker
25	Front left door tweeter speaker
26	Front left door mid-range speaker
27	Front left headliner mid-range speaker
28	Sub-woofer
29	Instrument panel low profile mid-range speaker
30	Instrument panel tweeter speaker

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## OVERVIEW

The vehicle has three levels of audio system available:

- Meridian System 384W - 13 speakers including dual voice coil sub-woofer and single slot CD (compact disc) player
- Meridian Surround System 880W - , 19 speakers including dual voice coil sub-woofer and single slotCD player

- Meridian Signature Reference System 1700W Dolby® Pro Logic® II 3D Surround Sound System - 29 Speakers including dual voice coil sub-woofer and single slot CD player.

### **Meridian System**

- 384W - separate audio amplifier module
- 13 speakers including dual voice coil passive sub-woofer.

### **Meridian Surround System**

- 880W Meridian sound system - separate audio amplifier module, Dolby® Pro Logic® II Surround Sound System
- 19 speakers including dual voice coil passive sub-woofer.

### **Meridian Signature Reference System**

- 1700W Meridian Surround Sound system - separate audio amplifier module, Dolby® Pro Logic® II Surround Sound System
- 29 speakers including dual voice coil passive sub-woofer.

The audio systems are powered by an audio amplifier module located below the left front seat. The audio amplifier module is controlled by the Integrated Audio Module (IAM) on the Media Oriented System Transport (MOST) ring. The speakers are hard wired to the audio amplifier module.

The audio amplifier module on the Meridian Signature Reference System is larger than those used on the Meridian System and Meridian Surround System. The amplifier contains cooling fans to assist with cooling due to the high power output.

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## **DESCRIPTION**

### **MERIDIAN SYSTEM**

The system comprises 13 speakers:

- 4 tweeters, aluminium dome, 25mm, 4 Ohm, 50W maximum
- 4 mid-range, polypropylene cone, rubber edge, 2 Ohm, 100W maximum
- 4 bass, paper cone, rubber edge, 200mm, 2 Ohm, 100W maximum
- Sub-woofer, paper cone, rubber edge, 200mm, 2 x 2 Ohm, 2 x 100W maximum

#### MERIDIAN SURROUND SYSTEM

The system comprises 19 speakers:

- 7 tweeters, aluminium dome, 25mm, 4 Ohm, 50W maximum
- 7 mid-range, polypropylene cone, rubber edge, 2 Ohm, 100W maximum
- 4 bass, paper cone, rubber edge, 200mm, 2 Ohm, 100W maximum
- Sub-woofer, paper cone, rubber edge, 200mm, 2 x 2 Ohm, 2 x 100W maximum

#### MERIDIAN SIGNATURE REFERENCE SYSTEM

The system comprises 29 speakers:

- 9 tweeters, titanium dome, 25mm, 4 Ohm, 50W maximum
- 8 low profile mid-range, Glass Fibre, Dyneema with Poly Resin cone, rubber edge, 4 Ohm, 80W maximum
- 7 mid-range, Glass Fibre, Dyneema with Poly Resin cone, rubber edge, 4 Ohm, 100W maximum
- 4 bass, Glass fibre, Dyneema with Poly Resin cone, rubber edge, 200mm, 4 Ohm, 100W maximum
- Sub-woofer, paper cone, rubber edge, 250mm, 2 x 4 Ohm, 2 x 100W max

#### BASS SUB-WOOFER

The bass sub-woofer is located below the RH (right-hand) front seat. The sub-woofer is located in 4 studs in the floor pan and secured with 4 nuts. A single 4 pin connector, connects the sub-woofer to the vehicle wiring harness.



The dual voice coil 200mm diameter sub-woofer speaker is located in the underside of the sub-woofer molding. The low-frequency bass sound from the sub-woofer complements the high frequency sounds from the other system speakers.

The passive sub-woofer is powered by the audio power amplifier.

The sub-woofer on all systems are visually the same, however, the sub-woofer used on the Meridian Signature Reference System differs acoustically to the sub-woofer used on the Meridian and Meridian Surround systems.

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## OPERATION

All vehicle speakers are powered by the audio amplifier module, located below the left front seat. The speakers are hardwired to the amplifier.

Audio signals for the audio output originate from various audio sources and are passed to the audio amplifier module on the Media Oriented System Transport (MOST) ring. The audio amplifier module is available in three outputs depending on vehicle specification; 384W, 880W and 1700W.

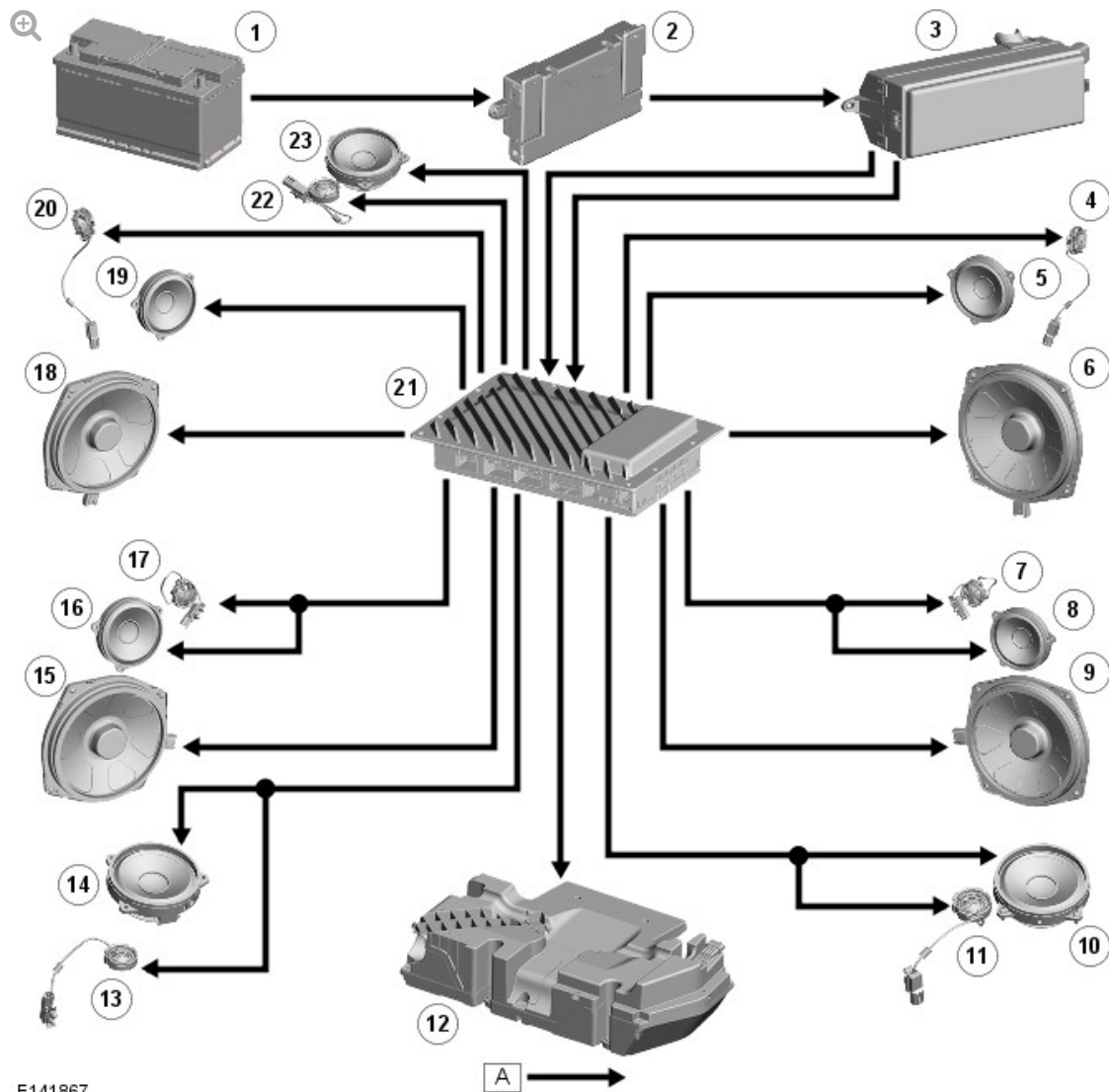
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## CONTROL DIAGRAM - MERIDIAN SYSTEM



10	Subwoofer
11	Rear left door bass speaker
12	Rear left door mid-range speaker
13	Rear left door tweeter speaker
14	Front left door bass speaker
15	Front left door mid-range speaker
16	Front left door tweeter speaker
17	Audio amplifier module

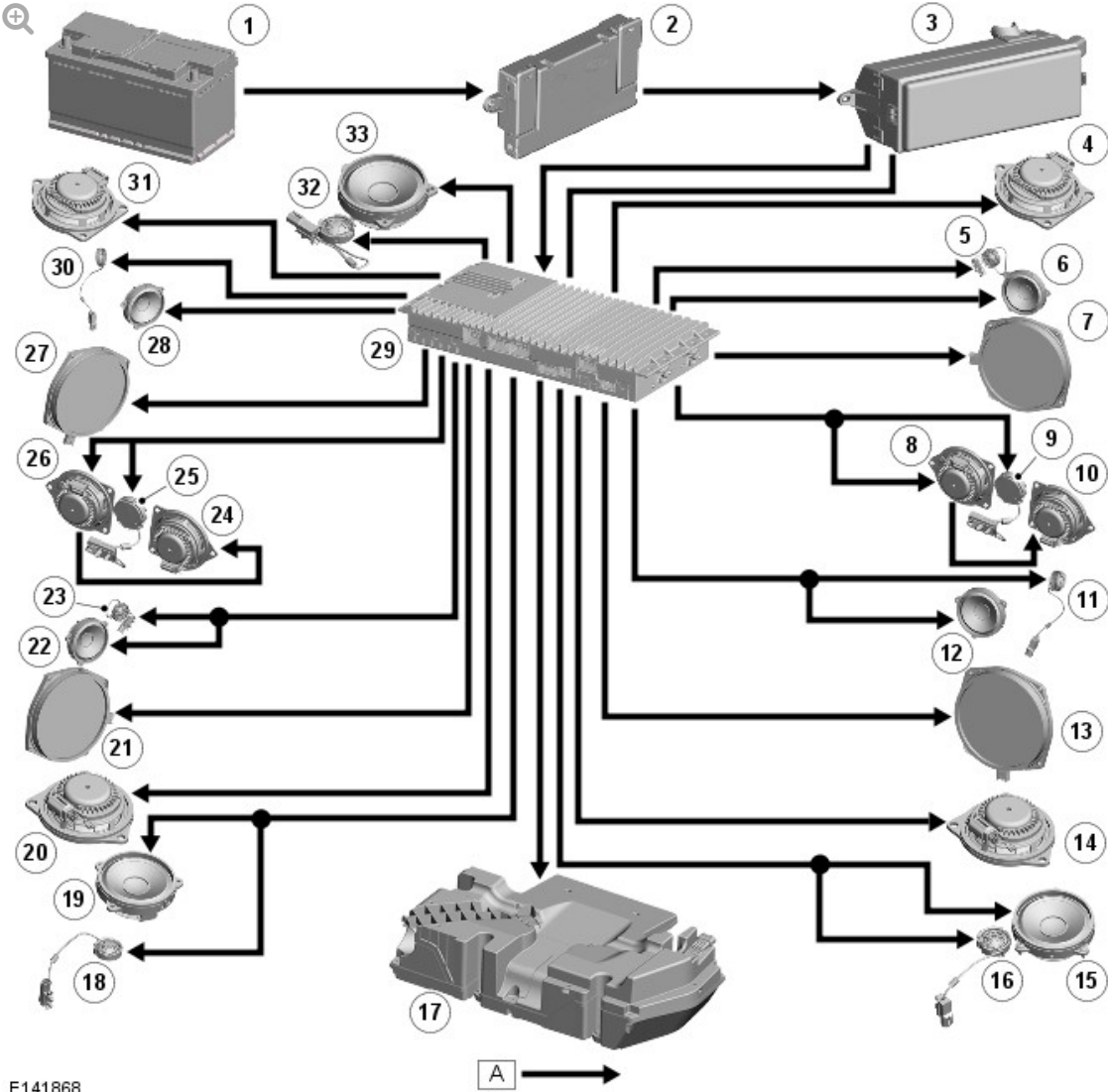
## CONTROL DIAGRAM - MERIDIAN SURROUND SYSTEM



E141867

ITEM	DESCRIPTION
A	= Hardwired
1	Battery
2	Battery Junction Box (BJB)
3	Rear Junction Box (RJB)
4	Front right door tweeter speaker
5	Front right door mid-range speaker
6	Front right door bass speaker
7	Rear right door tweeter speaker
8	Rear right door mid-range speaker
9	Rear right door bass speaker
10	Luggage compartment right mid-range speaker
11	Luggage compartment right tweeter speaker
12	Sub-woofer
13	Luggage compartment left tweeter speaker
14	Luggage compartment left mid-range speaker
15	Rear left door bass speaker
16	Rear left door mid-range speaker
17	Rear left door tweeter speaker
18	Front left door bass speaker
19	Front left door mid-range speaker
20	Front left door tweeter speaker
21	Audio amplifier module
22	Instrument panel low profile tweeter speaker
23	Instrument panel low profile mid-range speaker

CONTROL DIAGRAM - MERIDIAN  
SIGNATURE REFERENCE SYSTEM



E141868

A →

ITEM	DESCRIPTION
A	= Hardwired
1	Battery
2	Battery Junction Box (BJB)
3	Rear Junction Box (RJB)
4	Front right headliner low profile mid-range speaker
5	Front right door tweeter speaker
6	Front right door mid-range speaker

7	Front right door bass speaker
8	Right head restraint low profile mid-range speaker - outer
9	Right head restraint tweeter speaker
10	Right head restraint low profile mid-range speaker - inner
11	Rear right door tweeter speaker
12	Rear right door mid-range speaker
13	Rear right door bass speaker
14	Rear right headliner low profile mid-range speaker
15	Luggage compartment right mid-range speaker
16	Luggage compartment right tweeter speaker
17	sub-woofer
18	Luggage compartment left tweeter speaker
19	Luggage compartment left mid-range speaker
20	Rear left headliner low profile mid-range speaker
21	Rear left door bass speaker
22	Rear left door mid-range speaker
23	Rear left door tweeter speaker
24	Left head restraint low profile mid-range speaker - inner
25	Left head restraint tweeter speaker
26	Left head restraint low profile mid-range speaker - outer
27	Front left door bass speaker
28	Front left door mid-range speaker
29	Audio amplifier module
30	Front left door tweeter speaker
31	Front left headliner low profile mid-range speaker
32	Instrument panel low profile tweeter speaker
33	Instrument panel low profile mid-range speaker

