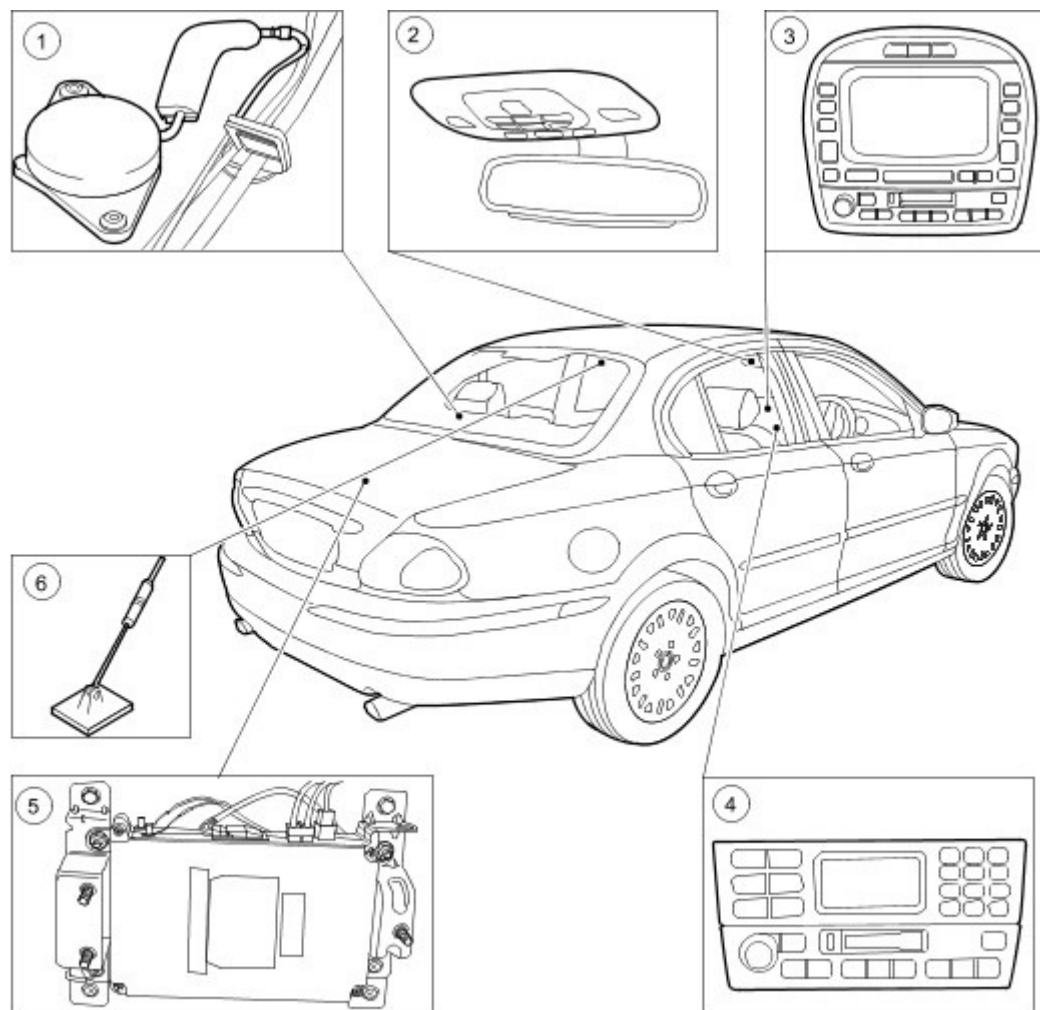


Telematics



VUJ0004190

Item	Part Number	Description
1	—	GPS Antenna - JaguarNet
2	—	Roof console
3	—	Navigation and VEMS (JaguarNet) display
4	—	Base level audio display and VEMS (JaguarNet) display
5	—	VEMS module
6	-	VEMS (JaguarNet)/ Phone antenna

System / Component Description

The vehicle emergency message system (JaguarNet) allows a user to request emergency assistance (police, ambulance, fire) or roadside assistance. Also, if any of the vehicle's airbags are deployed while JaguarNet is operational, the system automatically issues a call for emergency assistance.

1 . The JaguarNet consists of four components: VEMS module. Navigation display/base level audio unit display. Global Positioning Sensor (GPS) antenna. The cellular phone system.

The VEMS module controls the system. It is embedded in the vehicle's cellular phone system, audio unit, restraint control module (RCM), navigation system and GPS antenna. The VEMS module uses the cellular phone system to place calls to the response center. JaguarNet mutes the audio unit upon placing a call and re-instates the audio when the call is ended. The RCM monitors the air bag circuit to determine if an airbag has deployed and provides the user with visual feedback during an activation by displaying status messages on the navigation display/base level audio display.

The navigation display and roof console provide the user with two buttons, (i) and (SOS) for activating the system. The navigation display is used to place a call for emergency and roadside assistance. Additional buttons (i) and (SOS) are also provided in the roof console.

The GPS antenna receives data from a group of GPS satellites and is used by the VEMS module to determine the location of the vehicle when the system is activated.

Powering Up

The VEMS module powers up when the ignition switch is in the RUN position. During power up, the VEMS module will carry out a check of the system. The system check takes about 15 seconds. If a failure is detected, the VEMS module will illuminate the tell-tail LED's in the roof console.

Pressing i, SOS and Airbag Deployment

When info, emergency/roadside assistance is selected, or one of the air bags is deployed, JaguarNet will take control of the cellular phone and inform the user that an activation is in progress by displaying INFO REQUEST/SOS REQUEST on the navigation display/base level audio display. JaguarNet will also mute the audio unit causing PHONE to be displayed on the audio unit.

If JaguarNet determines that the cellular phone is not correctly connected, the navigation unit will display CELLULAR PHONE REMOVED followed by ASSIST FEATURE DISABLED then UNABLE TO PLACE CALL and INSTALL PHONE TO CONTINUE (US ONLY).

If a cellular phone is connected, but JaguarNet determines that the phone is not JaguarNet compatible, NON-ASSIST PHONE will be displayed on the navigation display (US ONLY).

Upon determining that the cellular phone is connected and communication with it can be established, JaguarNet checks to see if cellular service is available (a cellular signal is sensed by the vehicle's cellular phone).

If cellular service is not available, JaguarNet will continue to check for service for up to two minutes. During this time, NO CELLULAR SIGNAL followed by WAITING TO ACQUIRE are continually displayed in rotation on the navigation display. If service is still not available after two minutes, UNABLE TO PLACE CALL is displayed on the navigation display and the activation is terminated.

If service is available, JaguarNet places a data call to the response center and CALL IN PROGRESS is displayed on the navigation display.

If the call has difficulty going through because the cellular system is busy, JaguarNet will continue trying to place the call for up to one minute. During this time, CELLULAR SYSTEM BUSY followed by PLEASE WAIT are continuously displayed in rotation on the navigation display/base level audio unit display, and then the activation is terminated. If the data call goes through, RINGING RESPONSE CENTER is displayed on the navigation display

Once the data call is answered by the response center, JaguarNet sends an electronic data message. This message includes: the type of activation (emergency/roadside or air bag), a customer identification number (CID), the mostly recorded location (latitude and longitude), speed and direction of travel of the vehicle, the time at which the location and speed data was taken, and the systems cellular phone number. While this data is being transmitted the system updates the navigation display with SENDING LOCATION DATA (US ONLY).

After the data has been received by the response center, DATA RECEIVED will be displayed on the navigation display (US ONLY). The call will then be displayed on the navigation display. The call will then be forwarded to the response center operator switchboard.

If the data call fails to go through, JaguarNet will carry out a voice call redial to the response center operator switchboard. While this call is being placed, REDIAL IN PROGRESS will be displayed on the navigation display. While the system is waiting for an operator to answer, WAITING FOR OPERATOR will be displayed on the navigation display.

Upon answering the call, the operator will attempt to talk with the caller to determine the level of assistance required. The operator will contact the appropriate emergency service provider if required.

Throughout the rest of the call CID..., LAT..., and LON... data that was sent to the response center will be continually displayed in rotation on the navigation display.

If the call is initiated by the deployment of an airbag, the caller has no control of the phone and all communication with the response center operator will occur hands-free. If the call is initiated by pressing the navigation display or roof console i button, communication with the response center operator defaults to hands-free but may be switched to private mode (using the phone's internal speaker and microphone) by removing the phone from its holder.

When the call is ended, the navigation display will return to displaying vehicle information and the audio unit will return to its previous operating mode.

Powering Down

When the ignition switch is in the OFF position, JaguarNet will be powered off, so no status messages will be displayed. If the ignition is switched from RUN to OFF or ACC while the JaguarNet is in a call, the call will continue, but the navigation display will be switched off.