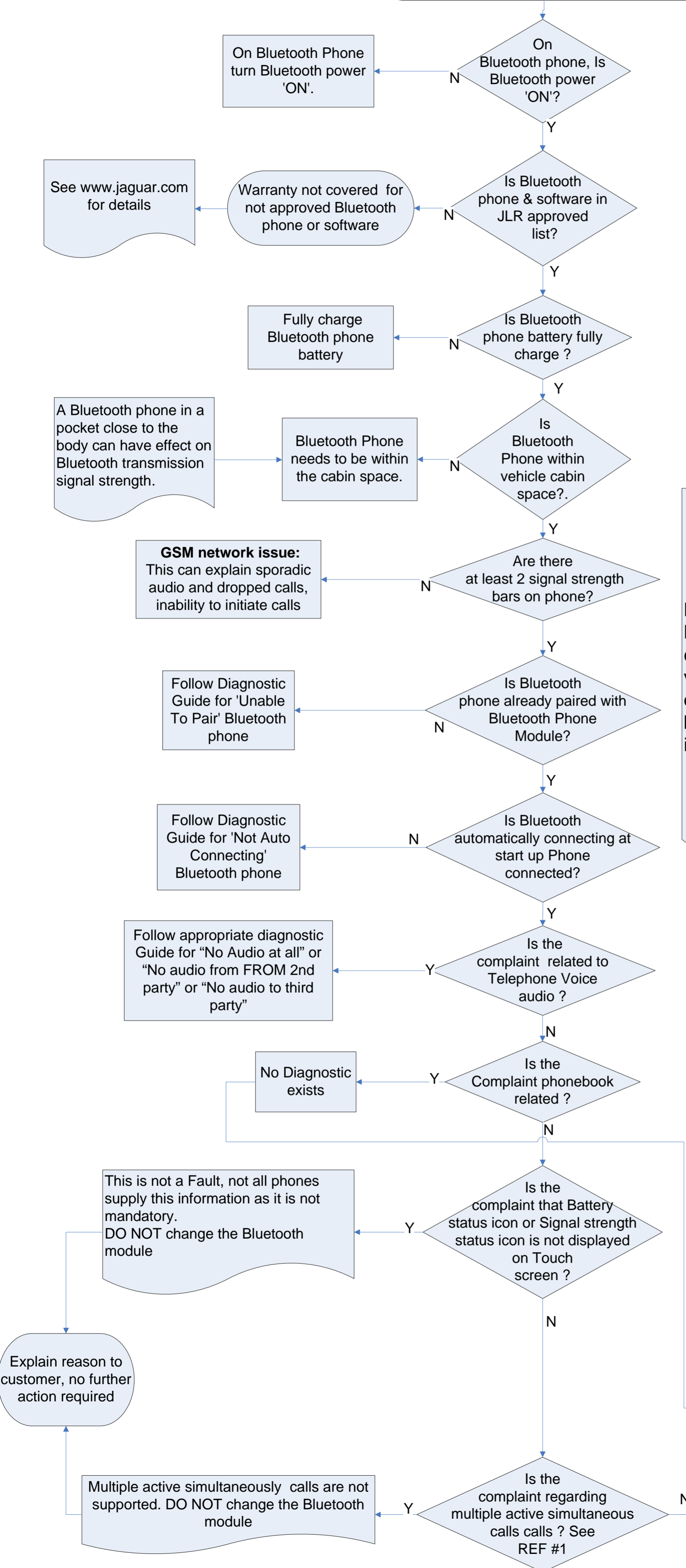


# No Bluetooth XK (X150)



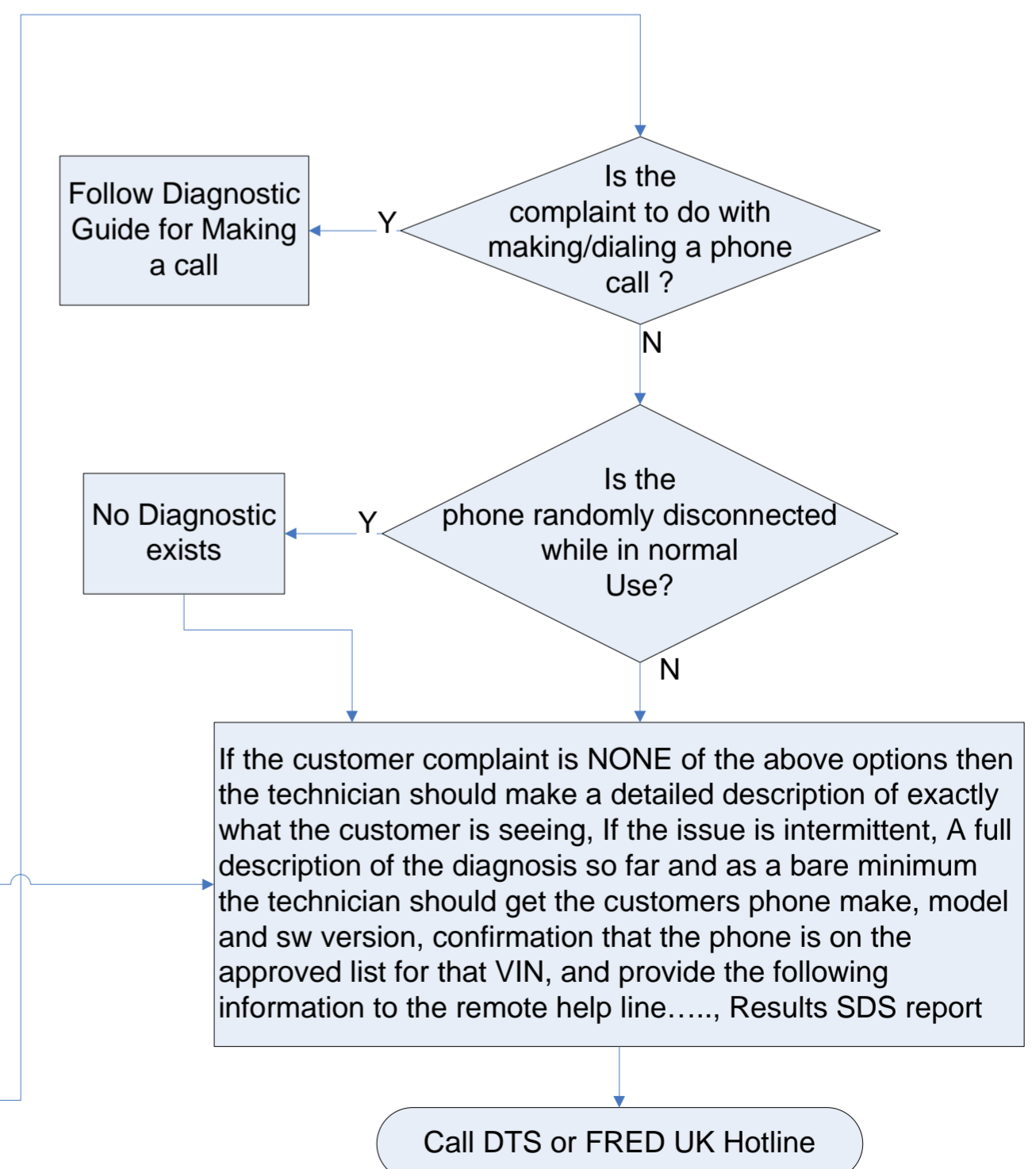
## NO BLUETOOTH:

No Bluetooth is not a fault and at best is a poor description to aid diagnosis of the problem. The aim of this chart is to remove the use of No Bluetooth completely. The technician should use this to try and select a best fit. If none of the below fit then an in depth description of the issue should be provided and not a 2 word summary.

## REFERENCE NOTES:

### REF #1:-

Multiple active simultaneous calls is defined as have 2 calls active at the same time in the Mobile phone, the vehicle phone system only supports 1 call active at any one time. This means it is not possible to answer, swap between or terminate calls individually using the vehicle interface.



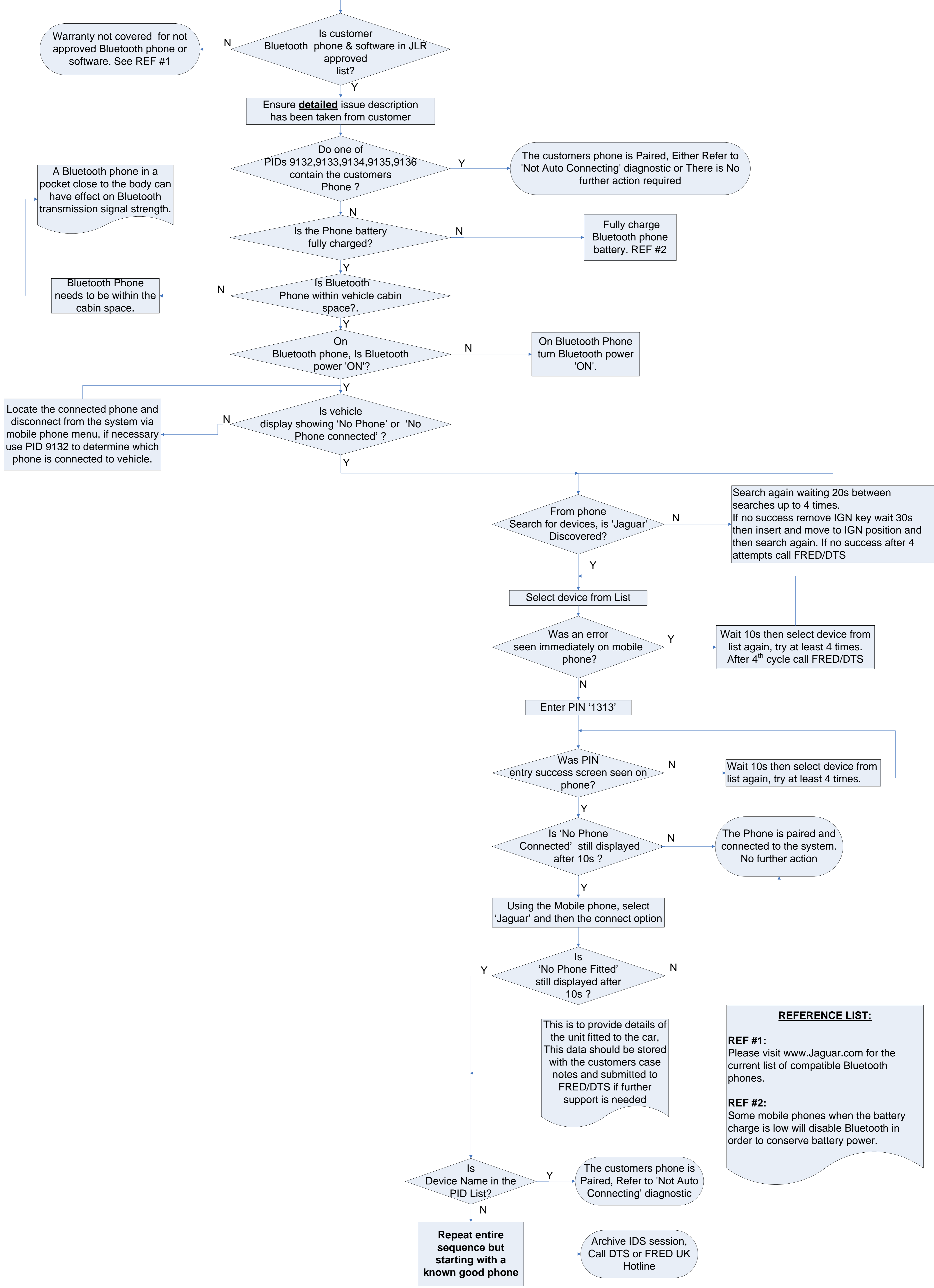
## PAIRING: Vehicle Model - XK (06MY onwards)

The process of Pairing allows the vehicle to recognise the customer's Mobile phone automatically when returning to the vehicle, this is achieved by the exchanging of secure codes between the Vehicle and the Mobile phone. This diagnostic procedure will focus only on searching from the Mobile phone as it is faster and usually more successful. It is possible to search from the vehicle HMI and where the customer has searched using the phone, then attempt using the car HMI (Note before XK 09MY it is only possible to start a search for mobile devices from the Vehicle interface). The goal is to pair the phone to the car and if it is possible via one means but not the other this is NOT a fault.

The following steps will describe the normal procedure of pairing. Pairing is a 2 stage procedure comprising of a 1<sup>st</sup> stage '*DISCOVERY*' or searching for Bluetooth devices and 2<sup>nd</sup> stage '*PAIRING*'. ALWAYS CHECK THE APPROVED PHONE LIST FOR COMPATIBILITY BEFORE PROCEEDING

1. Ensure that the vehicle is powered up with IGN on ( Engine does not have to be running ). Ensure no other Land Rover FreeLander or Jaguar XK (**09MY** onwards only) or Jaguar XF with Bluetooth is powered up and in range of the phone being used.
2. Ensure that the vehicle is not connected to any other device by checking that the 'No Phone Connected' message is displayed on the touch screen / Radio while in phone mode.
3. Using the mobile phone search for '*devices*' or '*audio devices*' and discovered devices will appear in the '*DEVICE LIST*', If a device called 'Jaguar' appears in the mobile phone's device list as unpaired then stage 1 of the procedure is complete.
4. Select the device '*Jaguar*' from the device list and accept the option to 'pair' / 'bond' with '*Jaguar*'. If there is a error message in a short space of time the device list will remain present, simply wait 10s and then repeat the selection of '*Jaguar*' for pairing / bonding. ( If unsure refer to mobile phone handbook under pairing or bonding).
5. The user will be presented with a '*PIN*' entry screen enter '1313' for Jaguar models into the appropriate box and select the '*pair*' / '*bond*' button.
6. There should be a short delay and then a success prompt will be given to the user.
7. The Phone should under most circumstances connect to the car at this point. The Screen will change to the 'Phone IDLE' screen where keypad or Mobile phone name is available to the user in phone mode on the touch screen / radio HU.
8. This is not the case with all phones and some popular exceptions are noted below. However the connection of the phone to the vehicle after entering the PIN is the mobile phone's responsibility. If connection does not happen after *PIN* entry this is not a fault with the vehicle.
  - Nokia phones following *PIN* entry, when a device exists with an identical friendly name of '*Jaguar*' will prompt the user to edit the friendly name such that it is unique. This should be done promptly as there will be a time out which may or may not affect the successful storage of security key in the phone. This is not a fault with the vehicle.
  - Some phones after successfully exchanging security keys will prompt the user to add the device to the authorised or trusted list, failure to accept this can affect the success of the storage of the device on the phone side, this is not a fault of the vehicle.
  - Some Nokia phones ( mainly Symbian OS based ) will not automatically connect the phone to the car after pairing sequence above. This is not a fault of the phone or the vehicle and the user for the 1<sup>st</sup> time must manually select '*Jaguar*' from the list and select the option to connect to that *Jaguar*.
  - Some Sony Ericsson phones following pairing and accepting that '*Jaguar*' can be added to the trusted device list, have a delay before the connection is complete, during this time pressing any of the smart buttons can cause the phone to disconnect from the vehicle. This is not a fault of the vehicle or the phone.
9. When searching from the vehicle for the Phone the phone must be discoverable to other devices, this is a option in the Phone menu. It should be noted that some devices ( e.g. Motorola ) are only discoverable for a short period of time and so the user ensure as few Bluetooth devices are in range of the vehicle.
10. When searching from the car, the user should ensure that Laptops with Bluetooth fitted are not near the vehicle as this can effect the number of devices successfully discovered when initiating the search from the vehicle HMI.

# Unable to Pair – XK



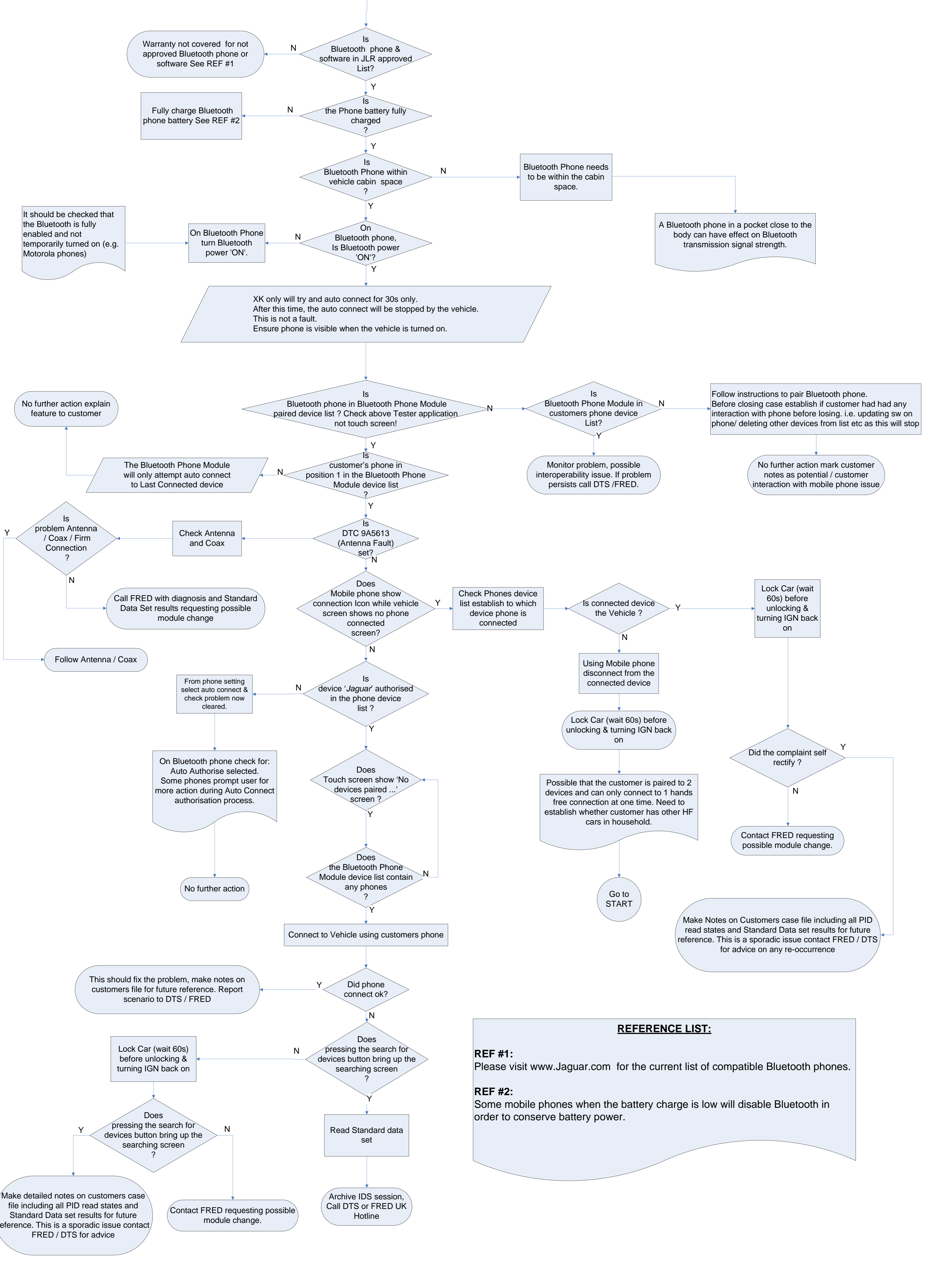
**REFERENCE LIST:**

**REF #1:**  
Please visit [www.Jaguar.com](http://www.Jaguar.com) for the current list of compatible Bluetooth phones.

**REF #2:**  
Some mobile phones when the battery charge is low will disable Bluetooth in order to conserve battery power.

See Header Notes!

# Not Auto Connecting – XK 06MY onwards



**REFERENCE LIST:**

**REF #1:** Please visit [www.Jaguar.com](http://www.Jaguar.com) for the current list of compatible Bluetooth phones.

**REF #2:** Some mobile phones when the battery charge is low will disable Bluetooth in order to conserve battery power.

## Auto CONNECT: Vehicle Models XK (06MY onwards)

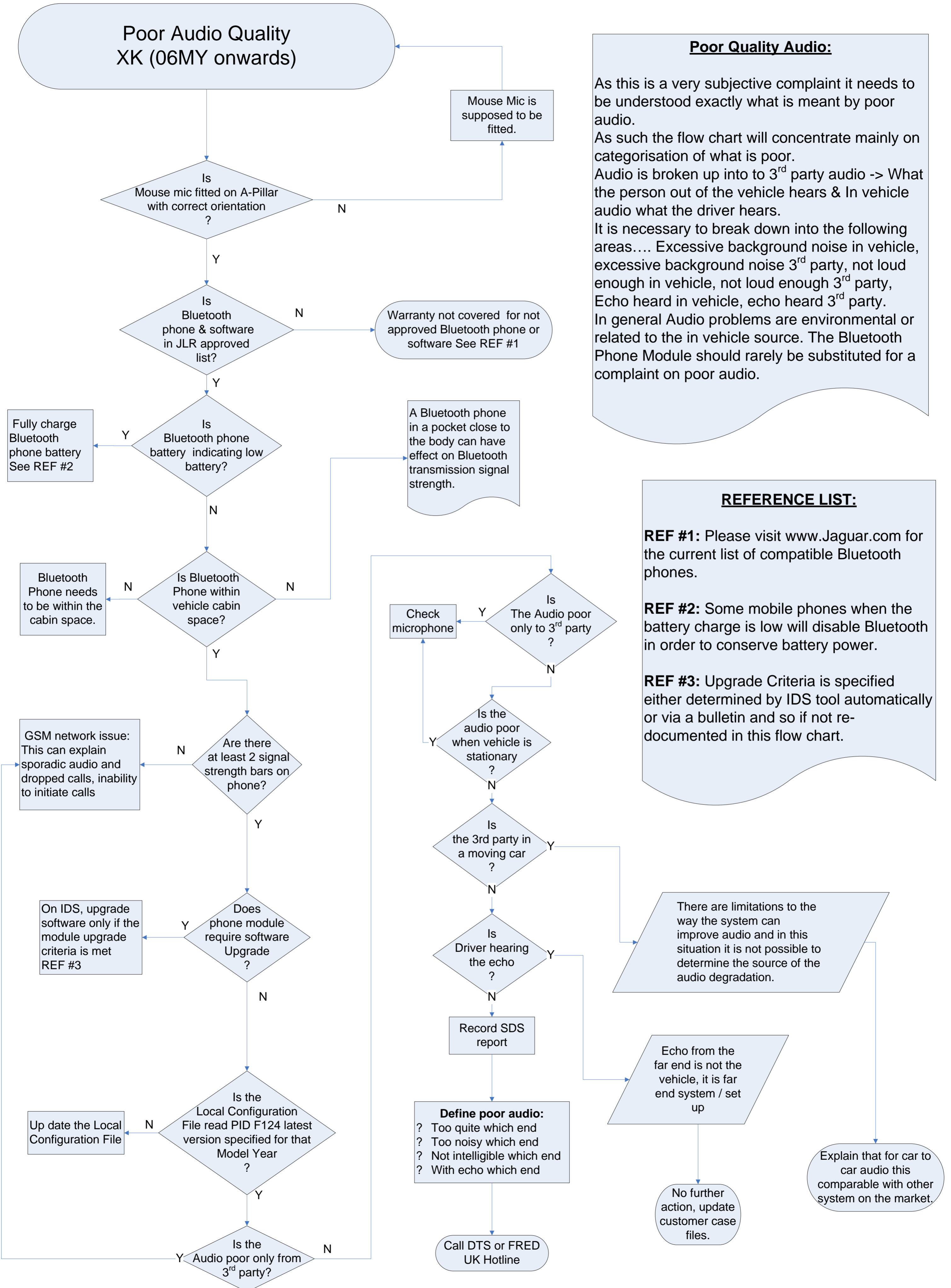
Auto Connect is the process of the vehicle connecting to the last connected Mobile phone when the user returns to the vehicle after turning the vehicle on.

1. Turn on IGNITION.
2. The display will start up and the screen will move to the standard display start up home screen. For FreeLander 2 a Green light will illuminate in the Phone button.
3. The Vehicle will tell the Bluetooth Phone Module to start auto connect.
4. The Bluetooth Phone Module will start looking for the **last connected phone only**.
5. Upon locating the last connecting phone the Bluetooth unit will start a security exchange with the phone to ensure that the phone is still authorised to connect to the system.
6. The connection will start and the XK will have the standard icon on the bottom of the screen which indicates a phone is connected.
7. Pressing the phone mode button will show the vehicle PHONE Home screen on the vehicle display.

Things to look out for....

- The vehicle friendly name in the device list is not authorised for connection without user action. This can be detected as shortly after the car is turned on when watching the Mobile phone screen a pop up will appear asking if the user wishes to allow the connection. This pop up usually times out after a while and so initially may be harder to detect. Refer to the Mobile phone user guide for details of the Mobile phone screen views.
- The Mobile phone was never correctly paired with the vehicle. Refer to Unable to Pair diagnostics for determining if the phone is paired.
- The Mobile phone was not the last connected phone to the vehicle, this can be overlooked if the user has multiple phones or the vehicle has multiple users.
- The Mobile phone has for some reason not stored the Vehicle in its device list or the vehicle has been removed from the Mobile phone device list, either in error or by updating phone software.
- Bluetooth is not enabled on the Mobile phone or was not fully enabled at the time Ignition was turned on ( some phones allow enabling of Bluetooth and after a while or previous disconnect will turn off Bluetooth to save the battery)
- The Mobile phone was in range and connected but then the link was lost.
- The battery is low in the Mobile phone (some phone turn Bluetooth off when battery charge is low in order to conserve battery life).
- The Mobile phone was not powered up at the time Ignition was turned on.
- The Mobile phone is already connected with another Bluetooth device.

# Poor Audio Quality XK (06MY onwards)



## Poor Quality Audio:

As this is a very subjective complaint it needs to be understood exactly what is meant by poor audio. As such the flow chart will concentrate mainly on categorisation of what is poor. Audio is broken up into to 3<sup>rd</sup> party audio -> What the person out of the vehicle hears & In vehicle audio what the driver hears. It is necessary to break down into the following areas... Excessive background noise in vehicle, excessive background noise 3<sup>rd</sup> party, not loud enough in vehicle, not loud enough 3<sup>rd</sup> party, Echo heard in vehicle, echo heard 3<sup>rd</sup> party. In general Audio problems are environmental or related to the in vehicle source. The Bluetooth Phone Module should rarely be substituted for a complaint on poor audio.

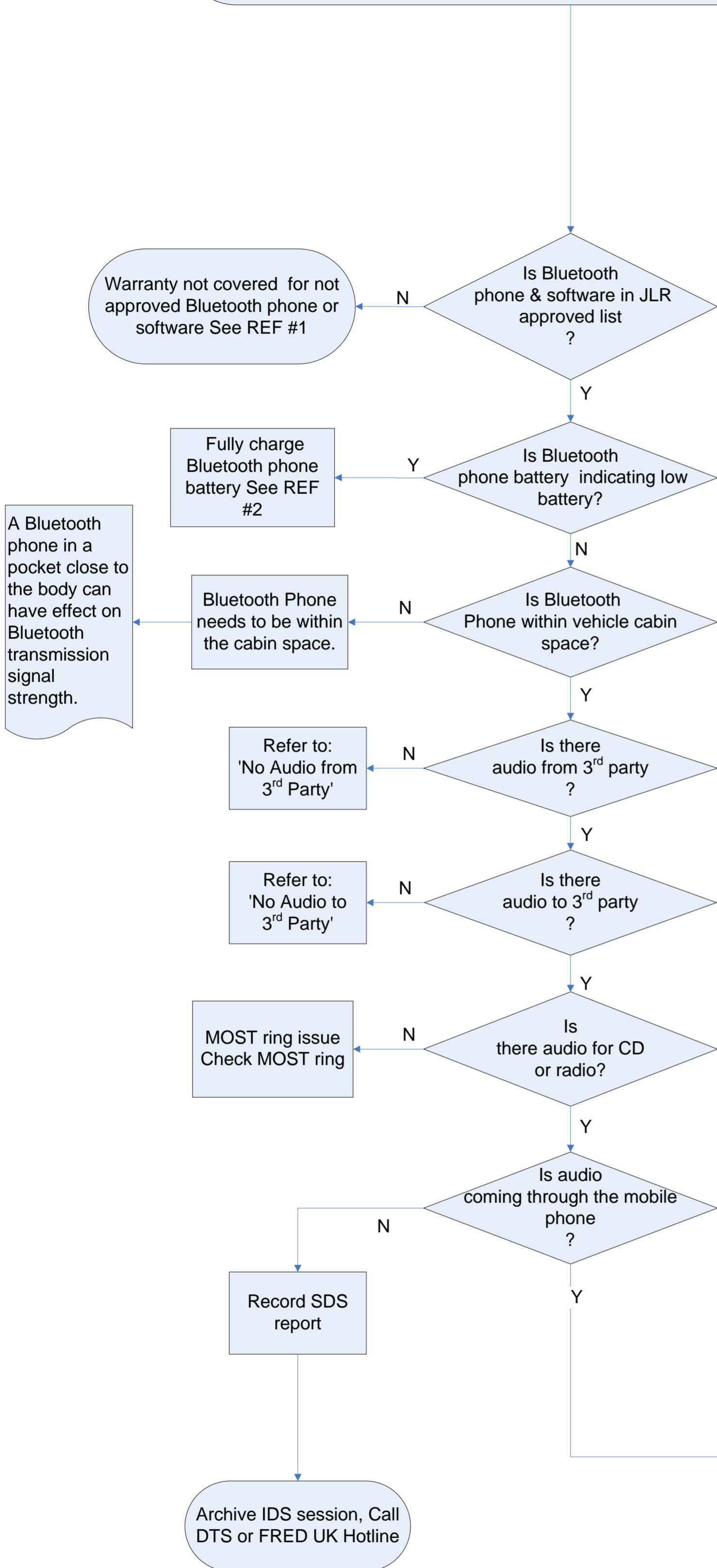
## REFERENCE LIST:

**REF #1:** Please visit [www.Jaguar.com](http://www.Jaguar.com) for the current list of compatible Bluetooth phones.

**REF #2:** Some mobile phones when the battery charge is low will disable Bluetooth in order to conserve battery power.

**REF #3:** Upgrade Criteria is specified either determined by IDS tool automatically or via a bulletin and so if not re-documented in this flow chart.

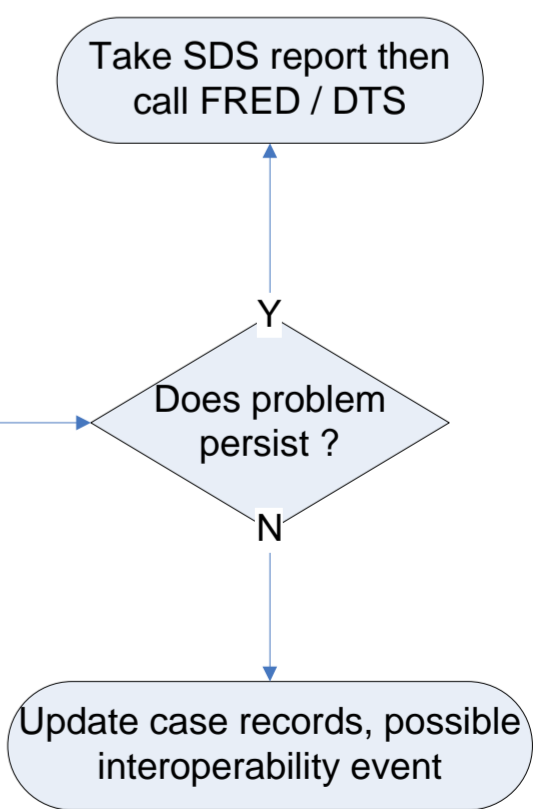
# No Audio – XK (06MY onwards)



A Bluetooth phone in a pocket close to the body can have effect on Bluetooth transmission signal strength.

**No Audio: ALL MODELS**  
 This ONLY covers the scenario where there is no audio in any direction into or out of the vehicle. The main checks here are that on making a call check that the car has not switched to the handset. This can be the case on some phones if the number is dialled using the Mobile phone instead of the vehicle HMI.

**REFERENCE LIST:**  
**REF #1:** Please visit [www.Jaguar.com](http://www.Jaguar.com) for the current list of compatible Bluetooth phones.  
**REF #2:** Some mobile phones when the battery charge is low will disable Bluetooth in order to conserve battery power.



# No Audio from 3<sup>rd</sup> Party XK (06MY onwards))

## No Audio From 3rd Party: Covers ALL models

This only covers the case where the Driver cannot hear the 3<sup>rd</sup> party, but the 3<sup>rd</sup> party can hear the driver.

Warranty not covered for not approved Bluetooth phone or software

Fully charge Bluetooth phone battery

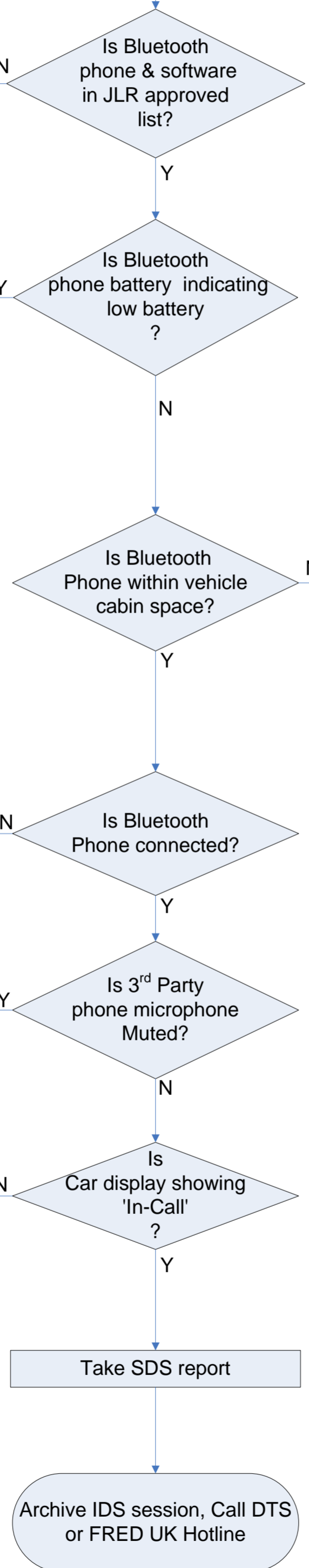
Bluetooth Phone needs to be within the cabin space.

A Bluetooth phone in a pocket close to the body can have effect on Bluetooth transmission signal strength.

Connect Bluetooth phone using vehicle HMI

Have 3<sup>rd</sup> party phone mute turned 'OFF'

Call has ended.



## REFERENCE LIST:

### REF #1:

Please visit [www.Jaguar.com](http://www.Jaguar.com) for the current list of compatible Bluetooth phones.

### REF #2:

Some mobile phones when the battery charge is low will disable Bluetooth in order to conserve battery power.



# No Audio to 3<sup>rd</sup> Party XK (06MY onwards)

Covers the scenario where the Driver can hear the 3<sup>rd</sup> party but the 3<sup>rd</sup> party cannot hear the driver at all. i.e. virtually silent at the far end. This should not be confused with not being able to understand the driver which would be a poor audio scenario.

Warranty not covered for not approved Bluetooth phone or software

Fully charge Bluetooth phone battery

Bluetooth Phone needs to be within the cabin space.

A Bluetooth phone in a pocket close to the body can have effect on Bluetooth transmission signal strength.

Connect Bluetooth phone using vehicle HMI

Turn System Phone Audio Mute 'OFF' See REF #3

Call has ended.

DTC 0x9D7901 indicates microphone electrical fault

Take SDS report

Archive IDS session, Call DTS or FRED UK Hotline

## REFERENCE LIST:

### REF #1:

Please visit [www.Jaguar.com](http://www.Jaguar.com) and for the current list of compatible Bluetooth phones.

### REF #2:

Some mobile phones when the battery charge is low will disable Bluetooth in order to conserve battery power.

### REF # 3:

Audio Mute is a feature of the car and it is possible to turn this on particularly on Range Rover, Range Rover Sport and Discovery 3, Check the vehicle screen menu and determine if call is on hold, if so take of hold. Consult vehicle Handbook for menu descriptions.

