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## BTH-JAG98R

**QUICK START BLUETOOTH INSTALL GUIDE FOR LATE 1997-06 XK (X100) AND 1998-03 XJ (X308 **WITH CD CHANGER**)**

**(Not for 2000+ Alpine Premium I.C.E systems)**

Created June 9, 2020  
Revised: December 17, 2024

## PRODUCT SAFETY & DISCLAIMER

READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING. FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY.

- This installation guide is provided as a GENERAL installation guide, some vehicles vary and may require additional steps. We do not accept responsibility for third party labor charges or modifications. Exercise due-diligence when installing this product.
- We do not accept any responsibility for vehicle damage or personal injury resulting from the installation of this product.
- Careless installation and operation can result in equipment damage.

## Requirement

Working CD changer in trunk/hatch

## Introduction

This easy to install Bluetooth "triple play" module is essential to keeping your classic vehicle as original possible and with up-to-date Bluetooth features. This module sounds great for mobile conversations, streaming music, and more. The included remote is used to adjust volume, pause, play, initialize/end phone calls and more and easily mounted to steering wheel or dashboard. In addition, the integrated USB port provided 5V/2.1A to charge those power-hungry devices while on the road. Keep the Jaguar original radio and CD changer while enjoying Bluetooth features only available in newer cars.

**ALERT:** 1. The BTH-JAG98R does NOT work in vehicles equipped with Premium Alpine I.C.E systems (e.g. LNF4170AA amplifier etc.).

2. The BTH-JAG98R installs behind the dash (radio removal required)

**Warning:** The BTH-JAG98R works in late 1997\*-99 (X100) Standard or Premium I.C.E. sound systems (Harman Kardon) and 2000-06 (X100) Standard Alpine audio system. Also works in 1998-99 (X308) Standard or Premium Alpine audio and 2000-03 Standard audio only. **Vehicles with 2000+ Alpine I.C.E Premium systems are NOT compatible. Purchase our [BTH-JAG98](#) instead.**

See **Frequently Asked question** at the end of this guide for more details.

## Installation: (behind the dash)

We recommend disconnecting negative battery terminal (See **Fig. 1**)

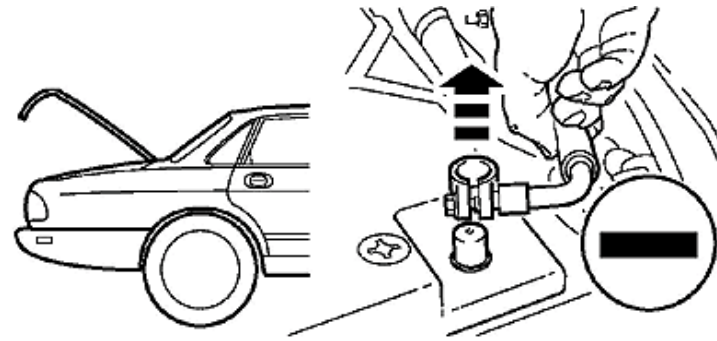


Fig. 1

1. Move "J" gate selector to position "D"
2. Using a panel removal tool, unclip and remove "J" gate finisher (See **Fig. 2**)

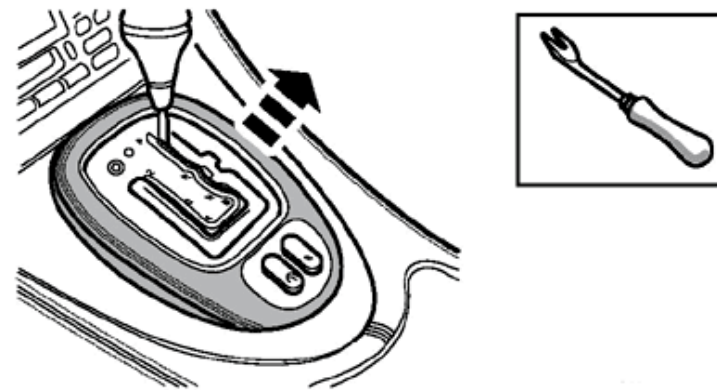


Fig. 2

3. Using a T30 Torx head, remove "J" gate finisher plate (See **Fig. 3**)

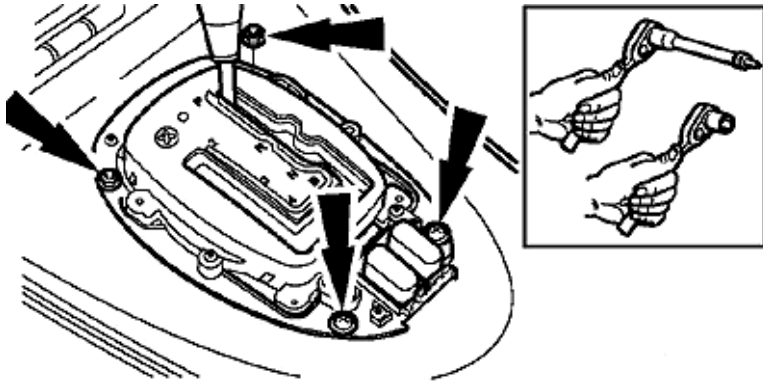


Fig. 3

4. Lift finisher plate upwards and disconnect electrical plugs (See Fig. 4)

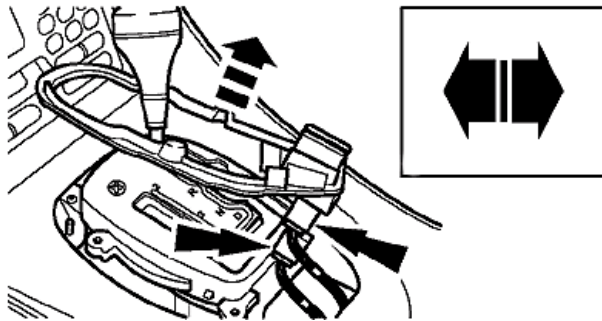


Fig. 4

5. Remove center console veneer panel (See Fig. 5)



Fig. 5

6. Remove (2) Philips head screws on LH and RH side of console (See Fig. 6)

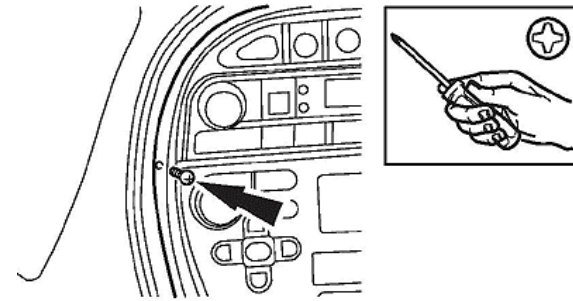


Fig. 6

7. Lift radio over gear selector hub and remove from dash (See Fig. 7).

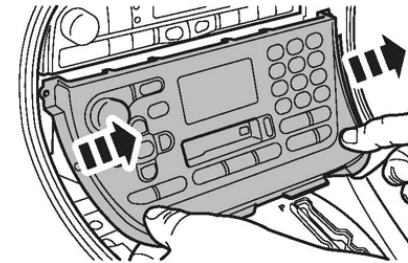


Fig. 7

8. Disconnect CD Auto changer plug from radio as seen in Fig. 8

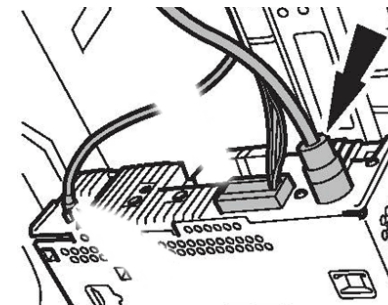


Fig.8

9. Connect factory CD changer plug (from step 8) to installation harness female connector (See Fig. 9)



Fig. 9

- 10. Connect installation harness MALE plug (See Fig. 10) to radio "CD" socket vacated in step 8



Fig. 10

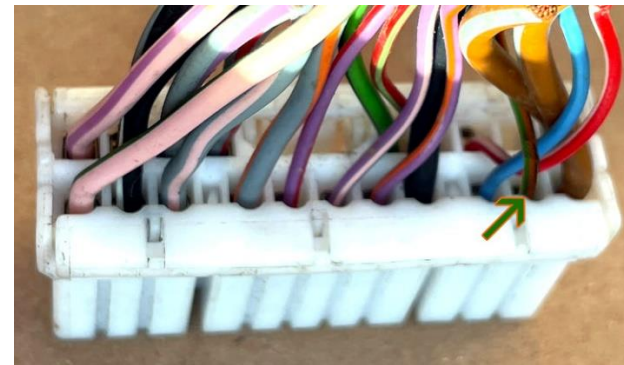
- 11. Tap/splice installation harness **RED** wire (See Fig. 11) accessory power:
  - Premium I.C.E accessory wire (White) at PIN 7 on radio's 10-pin plug (See Fig. 12)
  - Standard I.C.E accessory wire (Green/orange) at PIN 11 on radio's 20-pin plug (See Fig. 13)



Fig. 11



Premium radio 10-pin plug  
Fig. 12



Standard radio 20-pin plug  
Fig. 13

Before proceeding, please verify 12V is present on installation harness accessory wire (RED) when key is turned to "ACC" or the "ON" position.

**Playback options explained:**

This module can be configured to work in two modes and selected at checkout:

1. Retain CD playback (**default**)
2. Auxiliary input (instead of CD playback)

## Retain CD playback:

This is the default option that allows users to retain use of the 6-disc CD auto changer. The CD auto changer must be in working order and remains connected.

Proceed to installation step 4.

## AUX input (instead of CD playback):

With this option, the CD changer remains connected but will no longer play. Instead, users may connect a portable audio device (e.g. sat radio, Alexa, iPod, Mp3 etc.) and listen to it on the car speakers.

**Alert:** The CD auto changer remains connected but will no longer play

## Installing AUX input playback option

1. Connect the included 3.5mm audio cable (See Fig. 14) or similar to the "AUX" jack (See Fig. 15)
2. Route the plug on the other end of the audio cable to where audio device will reside (cable is 3 ft long)



Fig. 14



Fig. 15

3. **Optional:** Drill a 15/64 or 1/4" hole in dash or panel, push aux jack shaft through and secure with nut (See Fig. 16)



Fig. 16

**Alert:** Aux jack (See Fig. 15) may be left freestanding, but if mounted; ensure panel is **less than 4mm thick** otherwise shaft may not protrude enough to engage with nut. If necessary, use dremel, sander etc. to thin panel or choose alternate mounting location.

4. Secure microphone to headliner or visor using included clip (See Fig. 17)
5. Route the microphone cable (10 ft. long) down side pillar, under steering column and into radio cavity area,
6. Connect the microphone 3.5mm plug into module "MIC" input jack. (See Fig. 18)

**Wind noise will negatively affect phone audio. Users are advised to install microphone away from wind/ventilation ducts etc.**



Fig. 17





Fig. 18

7. Connect installation harness 16-pin plug (See Fig. 19) to module 16-pin connector (See Fig. 20)  
Ensure plug is fully seated/locked in place otherwise it may disconnect.

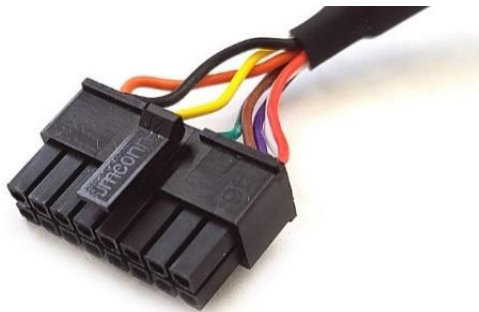


Fig. 19



Fig. 20

## Optional USB extension cable installation

- Note:** 1. Optional 6 ft. USB dash mount extension cable is not required for operation, however it extends USB charging port (See Fig. 22) to dashboard, glovebox etc.  
2. The USB port supports charging only

1. Drill a  $\frac{3}{4}$ " hole to dash or panel using a step drill bit or equivalent (See Fig. 20)  
As an alternative; use the included bracket (See Fig. 25) to mount USB without drilling.



Fig. 20

2. Fish USB cable terminal (See Fig. 21 through hole created in step 1 and plug into USB port on module (See Fig. 22)



Fig. 21  
USB cable



Fig. 22

3. Snap header (See Fig. 19) to surface until flush (See Fig. 20)



Fig. 23



Fig. 24



Fig. 25

Tuck and secure any extra wires from moving parts and proceed to next step

## Pairing module

Pairing varies among devices but basic steps are the same. This process is done upon initial install and will not have to be repeated

1. Turn ignition and radio "ON"  
From your Bluetooth enabled device, turn the Bluetooth ON and search for Bluetooth devices.
2. When a list of available Bluetooth devices appears on your Bluetooth device, select "DisCarSt" (See Fig. 26)
3. Confirmation "tone" is heard on car speakers.
4. The unit will automatically enter the BT Audio source and you can now start streaming audio from your Bluetooth enabled device.  
Note: If the mobile phone doesn't support SSP (Simple Secure Pairing) Profile, please enter the pass code of "0000"

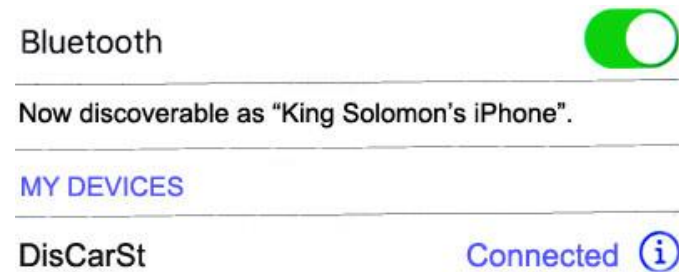


Fig. 26

## Feature comparison chart

Feature	BTA-JAG98	BT45-JAG	BTH-JAG98	BTH-JAG98R
Requires CD changer	✓	✓	✓	✓
Retains CD playback	✓	X	✓	✓
Wired audio input (AUX)	X	X	*	*
Charging (USB)	✓	X	✓	✓
Supports streaming	✓	✓	✓	✓
Supports hands-free calls	X	✓	✓	✓
Visor microphone	X	✓	✓	✓
Requires vehicle phone plug	X	✓	X	X
Requires 12V ACC connection	✓	✓	✓	✓
Remote control	✓	✓	✓	✓
Module installs:	Trunk/hatch	Armrest	Armrest	behind radio

\*Aux is optional and will replace CD playback

## Bluetooth operation

1. Turn ignition to "ACC" or "ON"
2. Turn radio ON.
3. Press "CD" button on radio to switch to Bluetooth mode
4. Launch smartphone music streaming application
5. Use remote control (See **Fig. 27**) or device built-in controls or touch screen for track selection, adjust volume, pause/play etc.
6. Place phone call or ask someone to call. To answer call; tap **Previous track** on remote control.
7. To end call, tap **Next track** remote control.
8. To switch to CD changer/AUX, tap **Pause/Play** button
9. To switch back to streaming; tap **Pause/Play** button
10. Use tapping action to adjust volume (+/-) (don't press and hold)



Fig. 27

3. If correct operation is confirmed go ahead and reinstall radio.

**Warning:** Playlist/Track selection \*NOT\* possible from Jaguar radio buttons. Use audio device built-in controls or included remote to access and control audio files. Muting works only when radio is in "CD/Bluetooth" mode. If in AM/FM mode, radio does not mute upon initiating or receiving calls.



## Frequently asked questions & troubleshooting

### 1. What is the difference between the BTH-JAG98 and BTH-JAG98R?

The BTH-JAG98R connects and installs behind the dash/radio and applicable to 1997\*-99 XK standard or premium audio system, 2000-06 XK standard audio only. Also works in 1998-99 XJ standard audio system and 2000-03 XJ standard audio system. The BTH-JAG98 works in same vehicles but connects to the CD plug in trunk/hatch. (Module installs in armrest or behind dashboard)

**ALERT:** 2000-06 XK (x100) and 2000-03 XJ (x308) with Alpine Premium I.C.E systems includes amplifier seen in Fig. 28 and requires the BTH-JAG98 instead.



Fig. 28

### 2. Can I pair more than one device to Bluetooth module?

**YES;** pairing multiple devices is possible, however only one device can connect at a time. Disconnect first device to allow pairing to another device.

### 3. Will I be able to use both music and Navigation apps at the same time?

**YES!** When streaming and Navigating (e.g., Waze etc.); music will mute during navigation guidance and return to previous state when guidance ends. If a call is made or received, both Navigation guidance and streaming are muted until call is ended.

### 4. How do I listen to the CD changer or AUX device?

To listen to CD's or AUX; tap **play/pause** button on remote or from simply pause playback on audio device (smartphone)

### 5. Can I connect the BTH-JAG98R in luggage compartment?

**NO;** the BTH-JAG98R must be installed behind the dash.

### 6. What is the vehicle application and where does audio module connect?

The BTH-JAG98R is specific to the following Jaguar vehicles and connects behind the dash (to radio Ai-NET connector)

**1998-99 (x308) Standard or premium I.C.E.**

**2000-03 (x308) Standard I.C.E. system only**

**1997\*-99 (x100) Standard or Premium I.C.E. systems (See Fig. 29) and**

**2000-06 (x100) Standard I.C.E system only**

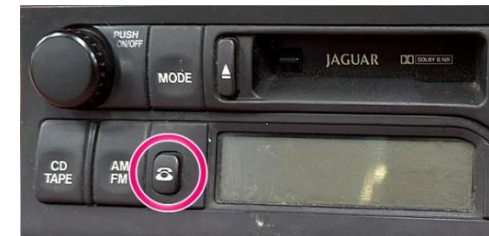


Fig. 29

### 7. I hear clicking sounds as I use my device, how can I stop this?

Go to device settings and disable touch sounds.

### 8. My module does not always pair when entering vehicle. How to I remedy this?

Module may not pair if already paired to another device (last connected device). Should this happen, check that no other device has already paired, turn ignition off and back on or disable/re-enable Bluetooth on device.

### 9. Playback is distorted, how do I fix this?

One likely cause for distorted playback is high volume setting on audio device. To fix, ensure device volume is set to between 80-90%.

### 10. Callers can hear me, but I can't hear them- why?

One likely reason is the Smartphone call volume is set too low. Please raise call volume level on your device.

### 11. Does this kit mute the radio (AM/FM) when calls are made or received?

**NO.** This module does not mute the speakers if radio is in AM/FM mode. When phone rings, press "CD" button on radio to switch to Bluetooth mode. Your smart device will mute speakers if radio is in "CD" mode (Bluetooth mode).

### 12. Does it integrate to the steering control or does it have a separate pad?

Steering wheel controls do not apply (except for volume). Use included remote to control select Bluetooth functions (skip, answer/reject calls, volume etc.)

13. **Do I need to connect a microphone or does it is integrated to the factory installed microphone?**

The included microphone must be installed. Optional wire harness may be available to allow use of the factory mic.

Future plans to integrate factory microphone is in the work and once available will be posted to website.

14. **Does call number, song name etc. show on the display?**

**NO.** Radio does not display callers name, number or song text.

15. **I'm experimenting annoying engine noise (alternator whine that increases with engine speed) Is there a fix for this?**

We recommend installing our in-line BT63-NF (See **Fig. 30**) noise filter. This plug-n-play noise filter fits between the radio harness and module. [Click here](#) to purchase.



**Fig. 30**

\*Late 1997 XK8 with Ai-net connectors only. Not applicable to older 8-pin DIN connection  
I.C.E = in car entertainment

#### **Disclaimer**

- This product has no affiliation with Jaguar
- We're not liable for misuse of this product.
- We recommend professional installation

**For help email [support@discountcarstereo.com](mailto:support@discountcarstereo.com)**

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