JAGUAR

Bluetooth®

A2DIY-JAG98R

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

(Not applicable to other model/year Jaguars)

Created June 9, 2020
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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" kit is essential to keeping your classic as stock possible with up-to-date Bluetooth features. This module sounds great for mobile conversations, streaming music, AUX playback and more. The included media button is used to adjust smartphone/tablet volume, pause, play, start/end calls and more and is easily mounted to steering wheel or dashboard. In addition, an **optional** USB "Fast charge" kit is available to charge those power-hungry devices while on the road as well as optional button microphone.

Keep original radio and CD changer while enjoying Bluetooth features only available in newer cars.

Note: The A2DIY-JAG98R does not interfere with the functionality of existing AM/FM/radio, but requires and retains use of the 6-disc auto changer.

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

Warning: The A2DIY-JAG98R applies to 1997*-99 XK and 1998-99 XJ and 2000-06 XK standard audio only and connects to the radio. **2000-Up Alpine Premium audio system are NOT compatible. See our A2DIY-JAG98 instead.**

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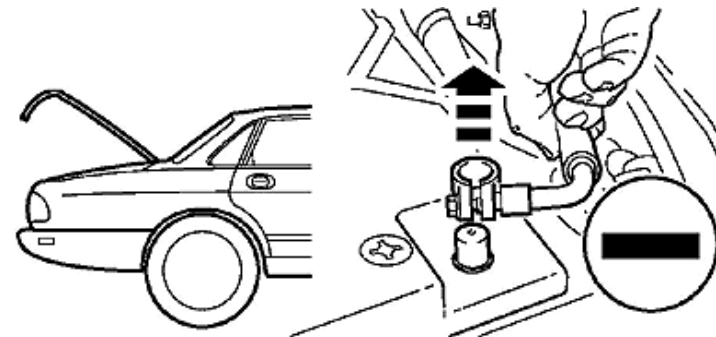

Fig. 1

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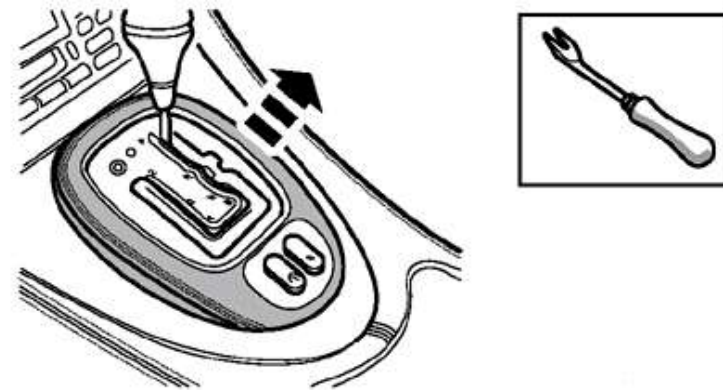2. Using a panel removal tool, unclip and remove "J" gate finisher (See **Fig. 2**)

Fig. 2

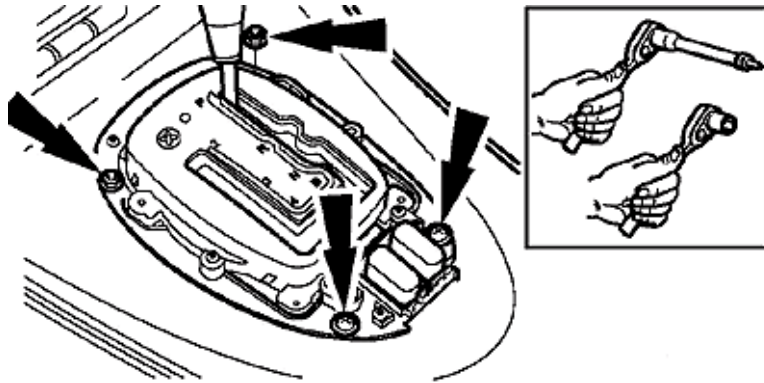3. Using a T30 Torx head, remove "J" gate finisher plate (See **Fig. 3**)

Fig. 3

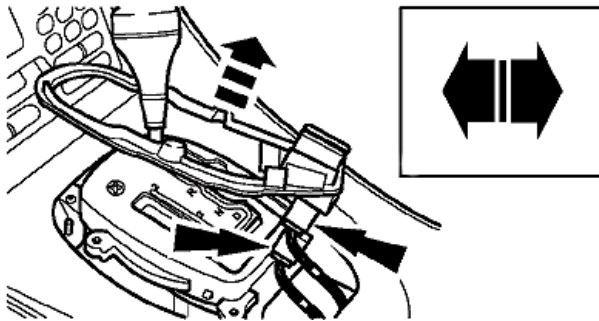4. Lift finisher plate upwards and disconnect electrical plugs (See **Fig. 4**)

Fig. 4

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

Fig. 5

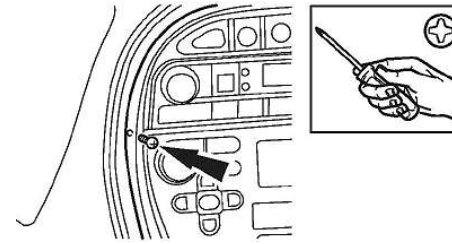6. Remove (2) Philips head screws on LH and RH side of console (See **Fig. 6**)

Fig. 6

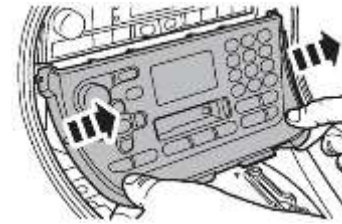7. Lift radio over gear selector hub and remove from dash (See **Fig. 7**).

Fig. 7

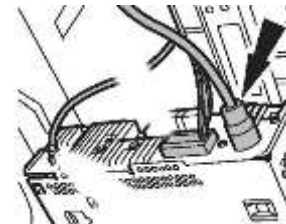8. Disconnect CD Auto Changer plug from radio as seen in **Fig. 8**

Fig.8

9. Connect factory CD changer plug (from step 8) to module Female connector (See **Fig. 9**)

Fig. 9
Module

10. Connect module male plug to radio connector vacated in step 8

Warning: In order to avoid removing radio ground strap to fit male angled plug; audio adapter male plug (See **Fig. 9**) has been changed from right to straight angle.

11. **Red wire** requires 12V accessory supply (Do not connect to constant battery supply). See table below for possible 12V accessory supply.

Premium radio 10-pin plug
Fig. 12

Factory plug	Accessory wire	Ground wire
10-pin radio plug (white)	Pin 7 (white)	Pin 6 (black)
	Battery wire	
	Pin 1 (Brown/Green)	

12. Tap **RED** accessory wire to factory WHITE wire at PIN 7 or any available 12V accessory supply.

Fig. 12

13. Tap **BLACK** wire to factory black wire at PIN 6

Playback options explained

These options are available at checkout:
1. Retain changer playback **(default)**
2. Auxiliary input (instead of changer playback)

Retain changer playback:

Default option allows users to retain use of their 6-disc CD auto changer.
Proceed to installation step 3 below.

AUX input (instead of cd playback):

This option allows users to connect and play a portable audio device (e.g. sat radio, Alexa, iPod, Mp3 etc.) instead of 6-disc CD auto changer)
WARNING: The required **CD** **changer remains connected but will no longer play**.

Connect included 3.5mm audio cable (See **Fig. 14**) to module "AUX" jack (See **Fig. 15**)

1. Route audio cable plug to where audio device will reside (within 3 ft.)
2. **Proceed to installation step 3 below.**

Fig. 14

Audio cable

Fig. 15

Module

3. Remove tape backing and attach microphone mounting bracket to headliner, sun visor etc.; route cable down pillar, under dashboard toward module location and connect to module "MIC" input. (See **Fig. 15**)
Wind noise (Convertibles) will negatively affect phone audio. Users are advised to install microphone away from wind/ventilation ducts etc. or opt for button microphone seen in **Fig. 16a**

Visor microphone

Fig. 16

Optional USB "Fast charge" kit

Fig. 17

An optional USB charging port can be added to any car.
Supports BC1.2, QC2.0, QC3.0, PE1.1, PE2.0, FCP, SFCP fast charge protocols
(Apple, Samsung, Huawei etc.)
Please Note: iPhone "Fast charge" kicks in when the battery capacity is between
0% and 79%, but returns to regular charge mode when it reaches 80%.
Should you decide on this add-on, we suggest one of 2 connecting options:
A. **Flush to dash/panel requires drilling a ¾" hole**
B. **Flush with Support bracket** (Mount USB terminal wherever your installation
demands <u>without drilling</u>)

A. Flush to Dash or Panel (drilling required)

Note: Alternately, user may modify cigar lighter opening

1. Drill a ¾" hole in the dash or panel using a step drill bit or equivalent
   (See **Fig. 18**)

Fig. 18
Step drill bit

2. Insert male terminal from supplied 3ft. cable (See **Fig. 19**) through hole
   created in step 1 and connect to installation harness charging port
   (See **Fig. 20**)

Fig. 19
Flush mount 3 ft. USB cable

Fig. 20
USB port

3. Snap USB cable head (See **Fig. 21**) to hole created in step until flush
   with mounting surface (See **Fig. 22**)

Fig. 21
USB head

Fig. 22
Flush mounted to dash

4. Tuck and secure any extra wire from moving parts and test operation

B. Bracket Mount (No drilling)

1. Locate a flat surface at location of choice within 3.2 ft. of module to mount USB support bracket (See **Fig. 23**) using adhesive/tape or screws (included).

Fig. 23
USB mounting bracket

2. Insert USB cable male terminal through hole in bracket (See **Fig. 23**) and connect to installation charging port (See **Fig. 20**

Fig. 24

3. Snap USB cable head (See **Fig. 24**) to bracket until flush (See **Fig. 25**)

Fig. 25

4. Connect RED or YELLOW wire to 12 V. To maintain ability to charge without ignition key, connect RED or YELLOW wire to Battery (**Always on**) supply at pin 1 or 2 of factory radio 10-pin plug. To charge with ignition key, connect RED or YELLOW wire to Accessory power at pin 7 of factory 10-pin plug. Connect BLACK wire to ground (pin 6)

Factory plug	Accessory wire	Ground wire
10-pin radio plug (white)	Pin 7 (white)	Pin 6 (black)
	Battery wire	
	Pin 1 (Brown/Green)	

5. Tuck and secure any extra wire away from moving parts and test operation (*See Bluetooth Pairing and Connection*)

Feature comparison

Feature	JAG-HF	JAGCD-HF	BT45-JAG	A2DIY-JAG98	A2DIY-JAG98R
CD changer retention	X	✓	X	✓	✓
Audio input (aux)	✓	✓*	X	Optional	Optional
Charging (USB)	✓	✓	X	Optional	Optional
Built-in mute feature	X	X	✓	X	X
Visor microphone	X	X	✓	✓	✓
Requires CD changer	✓	✓	✓	✓	✓
Voice Activation	✓	✓	✓	X	X
Requires factory phone plug	X	X	✓	X	X
Plug-n-play installation	X	X	✓	X	X
Smart media button (remote)	X	X	✓	✓	✓
Module installs:	Armrest	Armrest	Armrest	Armrest	Radio cavity

*Aux input instead of CD changer

Bluetooth Media remote

Pairing media remote: Ensure Bluetooth is enabled on your device (e.g., Smartphone/Tablet etc.) scan/search for available devices and select BT009 from list. Media remote can be paired with multiple devices but can only operate one at a time.

Select smart remote to pair

Installing media remote:

Attach button to steering wheel (includes holder) or dashboard to safely and conveniently control multi-media functions even when smartphone is out of reach.
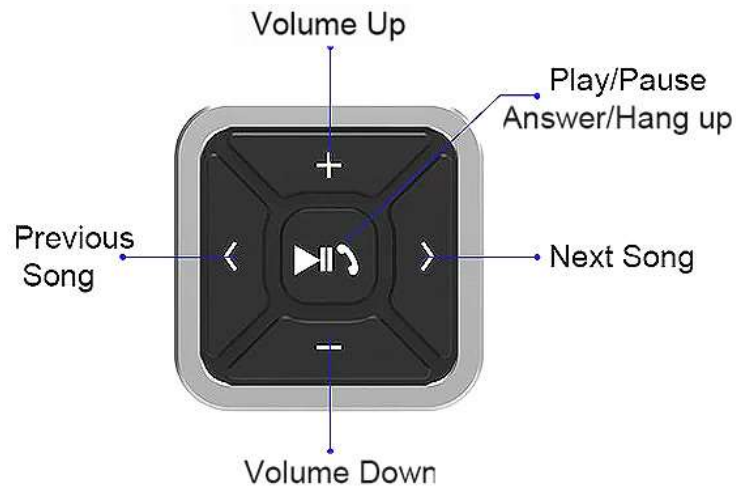
Charging media remote:

Media button has a built-in rechargeable 200mAH battery which may last up to 10 days. Use supplied USB cable to connect media button to charging source. Reaches full charge after 2 hours.

Media remote operation:

Once paired with smartphone/Tablet, users may perform the following functions on iOS devices with Bluetooth 3.0 and later and Android 4.0 or later.

These functions do not apply to the Jaguar radio.

Volume Up

Play/Pause
Answer/Hang up

Previous
Song

Next Song

Volume Down

Bluetooth pairing:

This process is done upon initial install and will not have to be repeated.

1. Turn ignition and radio "ON"
   Blue LED through module peephole will flash (pairing mode)
2. On A2DP device: go to **Bluetooth Settings**, **Tap to Scan**
3. Wait for Bluetooth device name (See below) to appear and tap it.
   Once paired confirmation tone is heard on car speakers

Bluetooth

Now discoverable as "King Solomon's iPhone".

MY DEVICES

LANNI   Connected ⓘ

Test operation

1. Turn ignition to accessory position and radio ON.
2. Press "**CD**" button.

Fig. 26

3. Launch audio device streaming application.
4. Set audio device initial volume to 70%, then raise radio volume control button to set playback level. If distorted, lower audio device volume.
5. Use wireless remote to change tracks, adjust device volume, pause etc.
6. Place phone call or ask someone to call. Press media button **pause/play** button
7. To switch between CD or AUX playback, press media button **pause/play** button or push-to-talk button
8. If correct operation is confirmed go ahead and reinstall radio.

Warning: Playlist and Track selection is *NOT* possible from Jaguar radio buttons. Use audio device built-in controls or wireless remote to access and control audio files and applications

Frequent ask questions & troubleshooting

1. **What is the difference between the A2DIY-JAG98 and A2DIY-JAG98R?** The A2DIY-JAG98R connects at the radio and applies to 1997-06 XK, 1998-03 XJ Standard audio system only. 2000+ vehicles with Premium Audio system (amplifier in trunk—See **Fig. 27**) requires our A2DIY-JAG98. **To be clear, any 2000-06 XK or 2000-03 XJ with Alpine premium audio requires the A2DIY-JAG98 and connection made at the CD changer in trunk/hatch.**

Fig. 27

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 audio and Navigation apps; 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 audio streaming are muted until the call has ended.

4. **After installing and testing the system everything works, but there is engine "whine". (increases with RPM) What can I do to fix this?**
Ensure all connections are snug.
 If powering module with cigar lighter: remove device plugged into cigar port.
Relocate accessory wire,
Install a suitable noise filter.

5. **Which devices can be charged on the USB charging port?**
Optional "Fast charge" USB port Supports BC1.2, QC2.0, QC3.0, PE1.1, PE2.0, FCP, SFCP fast charge protocols (Apple, Samsung, Huawei etc.). iPhone "Fast charge" kicks in when the battery capacity is between 0% and 79%, but returns to regular charge mode when it reaches 80%.

6. **How do I listen to the CD changer or AUX device?**
In order to listen to CD's or AUX, press push-to-talk button or play/pause button on remote control.

7. **Can I install the A2DIY-JAG98R at the CD changer plug in trunk/hatch?**
NO; the A2DIY-JAG98R module connects to radio behind the dash.

8. **What is the vehicle application and where does the module connect?**
The A2DIY-JAG98Ris specific to the following Jaguar vehicles:
1998-99 (x308) (To Radio)—Standard audio system only
1997*-06 (x100) (To Radio)—Standard audio system only
2000+ Alpine Premium audio systems are not compatible.

9. **I hear clicking sounds as I use my device, how can I stop this?**
Go to device settings and disable touch sounds.

10. **My module does not always pair when entering vehicle. How to I remedy this?**
Module may not pair if trying to pair with another device (last connected device). Should this happen, check that no other device has been paired, turn ignition off and back on or disable/enable Bluetooth on audio device.

11. **It is possible to change Bluetooth name to my own?**
This may be possible on some devices but not so on recent iPhones:
Make sure module is powered on and connected.
Go to Phone settings and tap Bluetooth.
Tap ⓘ : Next to LANNI, then tap Name
Enter a new name (e.g. Jaguar-BT etc.) tap Done on keyboard, then tap ‹
The custom name given now appears in Bluetooth settings of your device.

12. **Playback is distorted, how do I fix this?**
if playback is distorted its likely because volume setting on audio device is too high. To fix, turn radio volume up to comfortable level, then lower volume on device until it no longer distorts.

13. **What's the major difference between optional push-to-talk button with built-in microphone and visor mount microphone?**
The only major difference is convenience. With the single button there is no need to route microphone cable to visor etc. Push-to-talk button with built-in microphone must be installed away from ventilation ducts etc. and attaches to the dash with 3M tape.

*Late 1997 XK8 with Ai-net connectors

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