



V8 XJ Series/XK

DATE 11/01
Amended 08/02

419-11

SERVICE

TECHNICAL BULLETIN

Alpine Navigation System – DVD-driven Diagnosis – Repair

MODEL
2000 MY-ON XK Range
2000-03 MY V8 XJ Series
VIN
A00083-ON
F00030-F59525

Remove and destroy Bulletin 419-11 amended 11/01.
Replace with this Bulletin.
Revisions are marked with a bar and in **bold text**.

Issue:

This Technical Bulletin has been issued to assist Dealers with fault diagnosis on Alpine DVD based navigation system.

The issues to be covered are:

1. Initial loading or updating of the map or system software is covered in flowchart NAV1.
2. How to use Jaguar 'Wipe' disc (JTP 824) to erase the navigation system memory following system lock up, is covered in flow chart NAV 2.

Note: Once flowchart NAV 2 has been completed, flowchart NAV 1 should be followed.

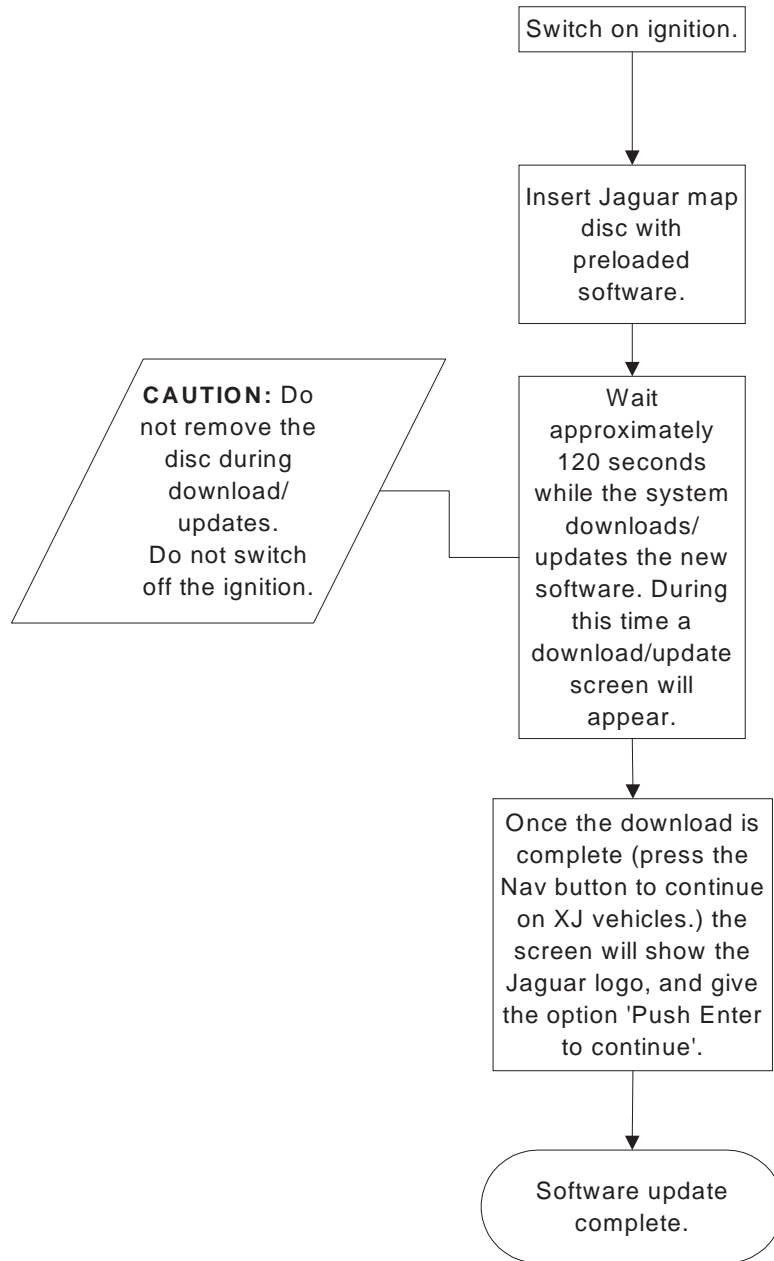
3. V8 XJ Series 'system guidance continuing while vehicle remains stationary' can be caused by the system being set into demonstration mode. The procedure to return the system to normal operation is covered in flowchart NAV 3.
4. XK series 'system guidance continuing while vehicle remains stationary', is covered in flowchart NAV 4, and can be attributed to demonstration mode being set as with V8 XJ series vehicles.
5. The issue of 'vehicle appearing to be more than 30 meters out of position on the map' can be caused by poor antenna connections at either the antenna fly lead or navigation module and is covered in the workshop procedure following the flowcharts.

Note: These diagnostic procedures should be carried out prior to any other investigation of faults on Alpine DVD based navigation systems.

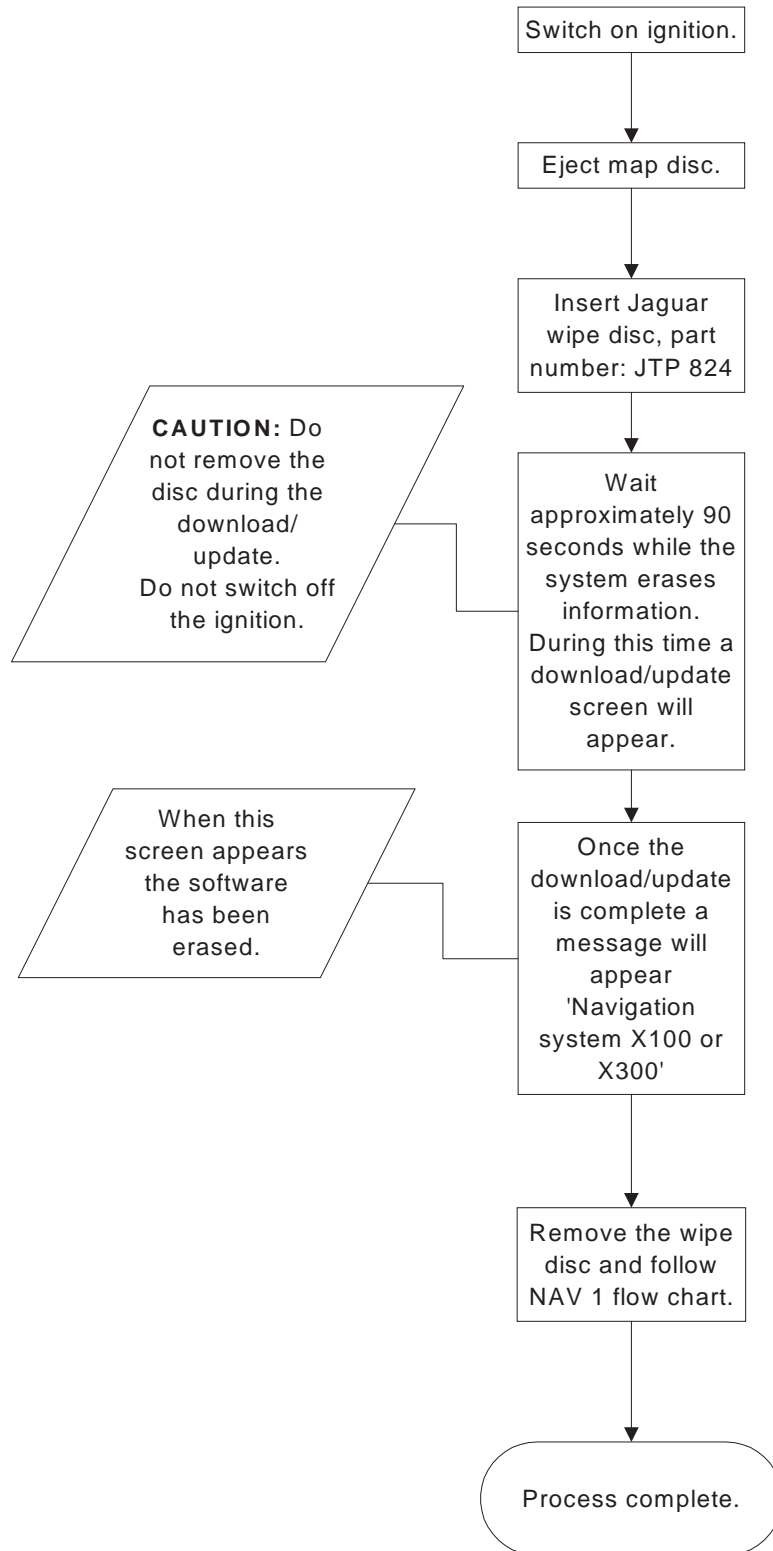
Action:

Refer to the flowcharts on the following pages:

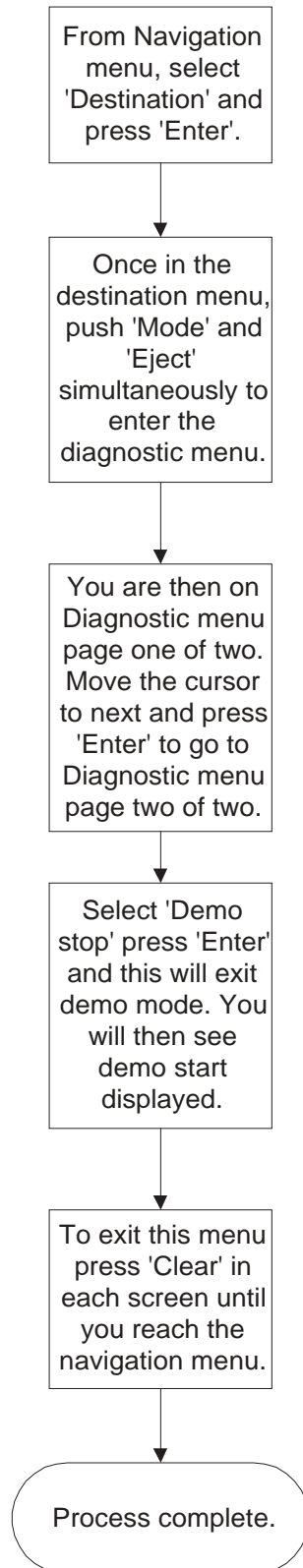
INITIAL LOADING OR UPDATING OF MAP DISC OR SYSTEM SOFTWARE



NAV 2
NAVIGATION SYSTEM 'WIPE' DISC

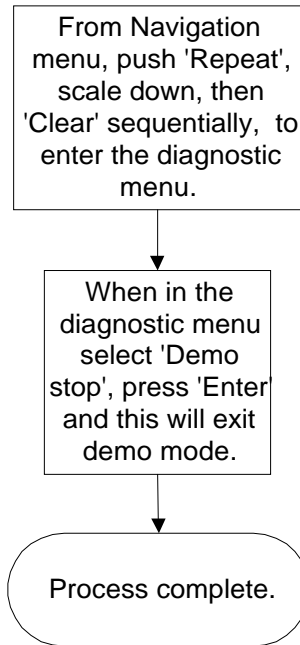


VEHICLE IS STATIONARY BUT SYSTEM GUIDANCE CONTINUES (V8 XJ SERIES)



NAV 4

VEHICLE IS STATIONARY BUT SYSTEM GUIDANCE CONTINUES (XK SERIES)



WORKSHOP PROCEDURE

1. Open luggage compartment.
2. Fit fender protector covers.
3. Remove battery cover.
4. Record customer preferences and disconnect vehicle battery.

⚠ WARNING: AFTER THE BATTERY HAS BEEN DISCONNECTED, WAIT ONE MINUTE FOR THE AIR BAG SYSTEM TO DISARM.

5. Remove luggage compartment floor carpet.
6. Remove luggage compartment front liner.
7. On XJ series only, remove luggage compartment seal retainer.
8. On XK series only, remove luggage compartment rear liner.
9. On XJ series only, remove luggage compartment left side liner.
10. On XK series only, remove luggage compartment right side liner.
11. On all vehicles, remove audio unit stack assembly to body securing screws.
12. On XK series with premium sound only, disconnect audio unit amplifier connectors.
13. On XK series with premium sound only, disconnect navigation module DIN plug from amplifier.
14. On all vehicles, place suitable protective covering over luggage compartment floor area.
15. On XK series with premium sound only, route navigation DIN lead around body bracket.
16. On all vehicles, reposition Audio unit assembly to allow access.
17. Disconnect navigation module antenna lead plug (Illustration 1).

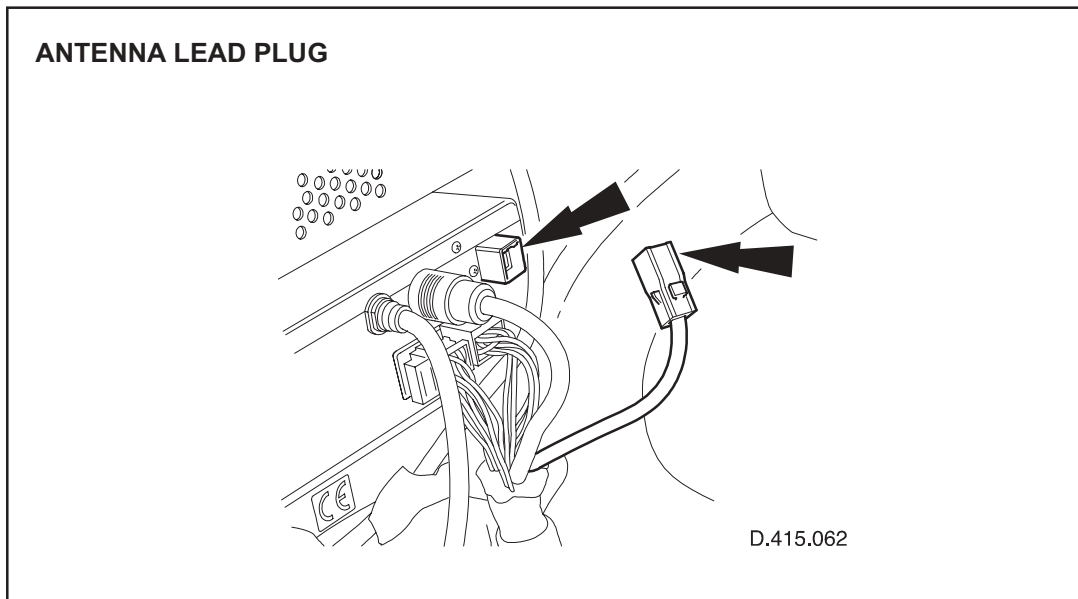


ILLUSTRATION 1

18. Examine plug and socket to ensure serviceability.
19. Reconnect navigation module antenna lead plug.
20. On XK series with premium sound only, route navigation DIN lead around body bracket.
21. On all vehicles, reposition audio unit stack assembly.
22. On XK series with premium sound only, connect audio unit amplifier connectors.
23. On XK series with premium sound only, connect navigation module DIN plug.
24. On all vehicles, insert and tighten audio unit stack assembly to body securing screws.
25. Remove protective covering from luggage compartment floor.
26. Install luggage compartment sideliner.
27. On XJ series only install luggage compartment seal retainer.
28. On XK series only install luggage compartment rear liner.
29. On all vehicles, install luggage compartment front liner.
30. Install luggage compartment floor carpet.

On XK series convertible vehicles only

- Reposition front seat back rests forward for access.
- Reposition rear edge of parcel tray carpet for access.

On XK Series coupe vehicles only

- Remove rear seat cushion.
- Remove rear seat back rest.
- Remove coat hanger hook.
- Remove rear quarter trim panel.
- On vehicles equipped with premium sound only, remove rear sub-woofer speaker.
- Remove rear parcel tray.

On XK series vehicles only

- Remove tape securing navigation antenna connector and lead to body.
- Disconnect antenna fly lead plug. (Illustration 2 for Convertible vehicles) (Illustration 3 for Coupe vehicles).

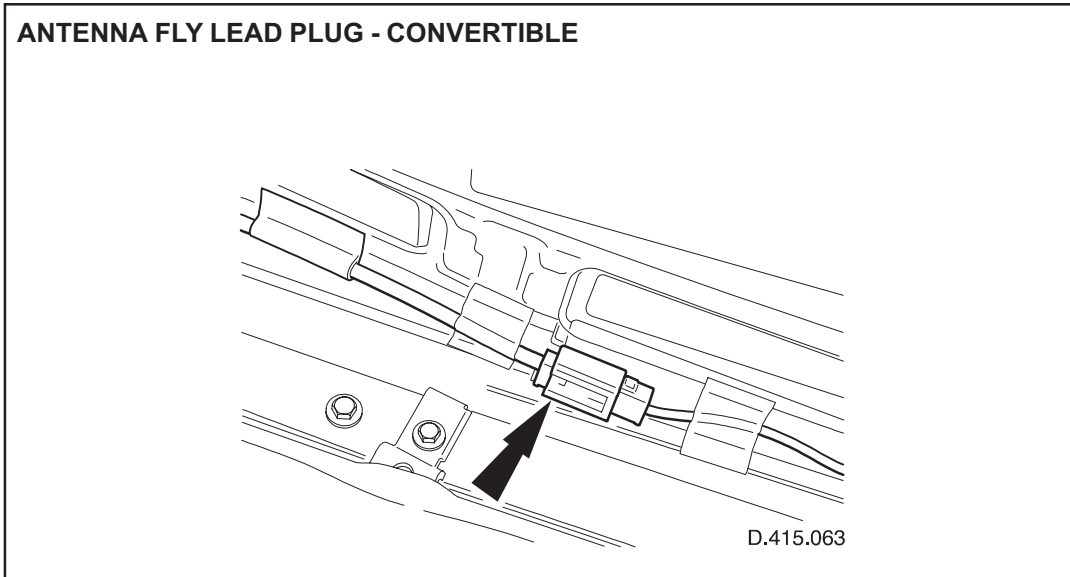


ILLUSTRATION 2

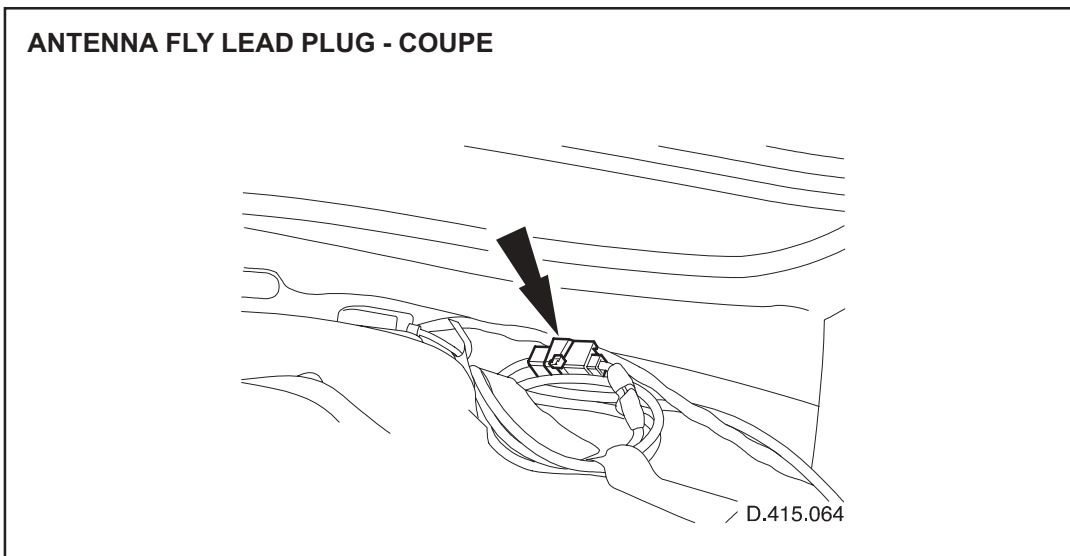


ILLUSTRATION 3

- Examine plug and socket to ensure serviceability.
- Reconnect antenna fly lead plug.
- Using suitable tape, secure antenna connector and lead to body.

On XK Series convertible vehicles only

- Install rear edge of parcel tray carpet.

On XK Series coupe vehicles only

- Install rear parcel tray.
- On vehicles equipped with premium sound only, reinstall rear sub- woofer speaker.
- Install rear quarter trim panel.
- Install coat hanger hook.
- Install rear seat back rest.
- Install rear seat cushion.
- Reposition front seat back rests to original positions.

On V8 XJ Series vehicles only

- Remove rear heel boards.
- Remove rear seat cushion.
- Remove rear safety belt escutcheon.
- Remove rear seat back rest.
- Remove rear parcel tray.

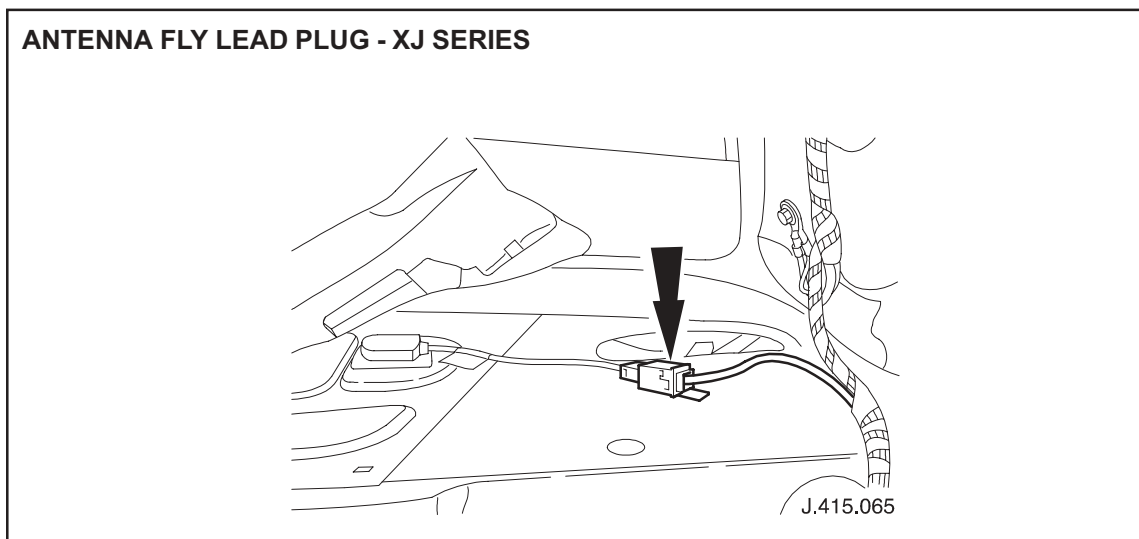


ILLUSTRATION 4

- Disconnect antenna fly lead plug (Illustration 4).
- Pivot antenna lead socket about its body fixing to allow examination.
- Examine plug and socket for serviceability.
- Pivot antenna lead socket about its body fixing to allow reconnection.
- Connect antenna fly lead plug.
- Install rear parcel tray.

- Install rear seat back rest.
- Install rear safety belt escutcheon.
- Install rear seat cushion.
- Install rear heel boards.

On all vehicles complete the following procedures:

1. Carry out battery reconnection procedure:
Whether one, or both, cables are disconnected, a minimum of 30 seconds MUST elapse between disconnection of the FIRST cable & reconnection of the LAST cable. A clean final connection must be made; do not allow temporary contact. Connect the battery terminal(s).
2. Reset customer preferences and reinstall battery cover.
3. Remove protective covering from luggage compartment floor.
4. Remove fender protector covers.
5. Close luggage compartment. Reset the clock.

Warranty Information:

Warranty claims should be submitted quoting the information found in the table below. This will result in payment of the stated time and, where applicable parts/miscellaneous expense codes as listed.

Note: The warranty information supplied applies to rectification of poor connections on the navigation antenna wiring only.

Description	SRO	Time	Causal Part Number	Causal Part Description
Check connectors of Navigation System - V8 XJ	86.92.86	1.1 hrs.	LJD 2442AB	Navigation module
Check connectors of Navigation System - XK Coupe	86.92.86	1.4 hrs.	LJD 2442AB	Navigation module
Check connectors of Navigation System -XK Conv.	86.92.86/-70	0.5 hrs.	LJD 2442AB	Navigation module