

X-Type Jaguar Information

Fibre Optic Connection

If your vehicle has no existing devices on the Fibre Optic ring, i.e. there is no CD Changer, Navigation Unit, or Jaguar Voice you will find the Fibre Optic connector near the foam bundle of connectors for the phone.

To add units to the ring you will need to open up this connector to mate with the new fibre optic connectors that connect directly with the additional units.

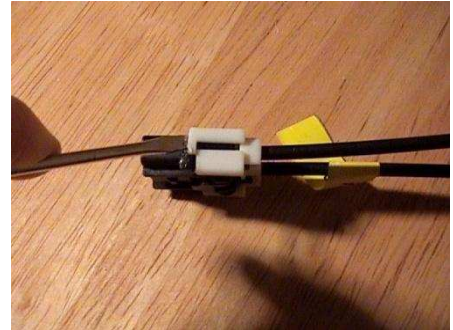
Note that on later model cars that support the voice control module - you will need to purchase a voice control connector / jumper plug to hook into the wiring loom otherwise the system will not function (your vehicle may already have this installed – check for a large grey connector tucked away next to and joined to the thin wiring loom for the phone unit).

Splicing into an existing Fibre Optic ring:

If, however you already have a device on the Fibre Optic ring, you will need to insert an additional connector to the ring.

This is done by “splicing” into the existing ring. You will need to remove the fibre optic cable from the CD changer for example and take apart one side of the connector (pictured to the right is a cable removed from the vehicle)

Top Tip: It is much easier to see what you are doing and check the connections if you remove the cable from the car and do the splicing on a bench.



Use a small flat blade screwdriver to remove the white plastic clip from the fibre connector. Then use that same screwdriver or other small implement to release the individual fibres from the housing.

Do the same on the new or additional cable you wish to add to the ring – you should be displacing an IN cable on one side and on the other connector an OUT cable to maintain a one way flow around the ring, e.g.:

Connector 1 – IN from the front on the car	OUT to connector 2
Connector 2 – IN from Connector 1	OUT to connector 3
	(Or back to Front of car to close the loop)
Connector 3 – IN from Connector 2	OUT to connector 4
	(Or back to Front of car to close the loop)

You are creating a “daisy chain” which should only go one way, so again you may need to reverse the fibres if your unit isn’t recognized (note that a side effect of having these fibres backwards is that all devices will not work so if you turn the radio on you will not “see” the CD changer).

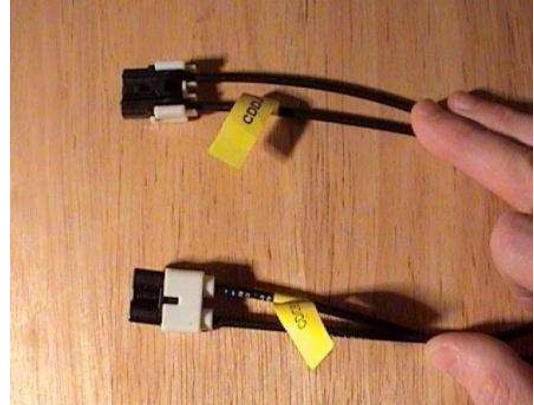
You can add or remove links in this way to make a ring that has only the correct number of connectors for the number of devices on your system.

If you wish to leave a connector in place for future use you must make sure it is also looped and completes the circuit – this can be done by bending (CAREFULLY) a single cable between the IN and OUT terminals on the connector.



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The golden rule: NO LOOP then NO CONNECTION.



So if your devices do not work first check you have a complete circuit and that the INs and OUTs are all correctly feeding the remainder of the loop.



A Jaguar supplied cable with 3 connectors

To learn more about these fibre optic circuits (sometimes referred to as D2B) have a look at this excellent (albeit Mercedes based) document
www.compdr.net/mb/D2B%20Training%20Info.pdf

The Jaguar Diagnostic System can read the Fibre optic network and a copy of the DTC summaries can be downloaded from
<http://jaguar.bttlxe.com/xtype/Network%20-%20from%20VIN%20C00344.pdf>

A technical description of the Jaguar Communication Networks can be found at
<http://jaguar.bttlxe.com/xtype/Workshop%20Manual/418-00%20Communications%20Network.pdf>