



1stRadarDetectors

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TLP, Blinder, Bel, Escort, Valentine

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Blinder™M27 (Dual) & M47 (Quad) Laser Jammer Installation Instructions

We recommend the customer hire a qualified technician to install the Blinder M27 and M47 Laser Jammer.

Ensure POWER Button is in OFF Position before Installation is Started

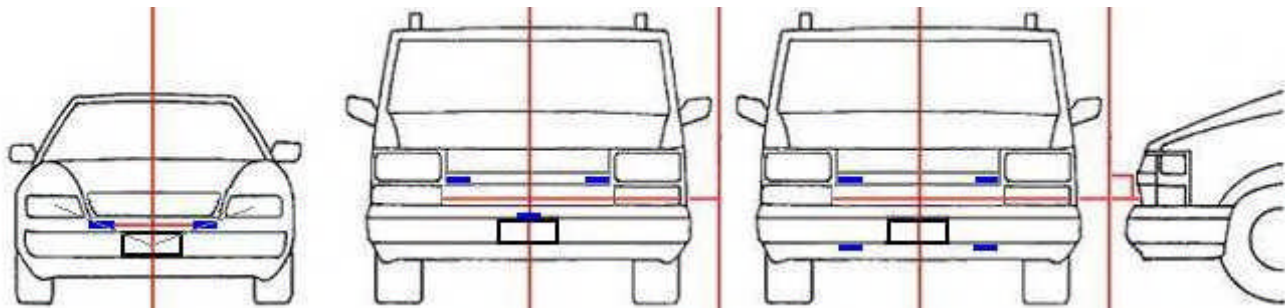
When Ready for Power, Turn POWER SWITCH from Mode 0 to Mode II, Leave POWER On for 1 Minute

INSTALLATION: Do Not connect power until all mechanical components are installed and connected together
The Blinder™ M27 should be mounted on the front of the vehicle, centered between the license plate and center of each headlight. The M47 adds two additional modules, permitting 3 laser modules in front and 1 rear, or 2 in front and 2 rear on either side of the rear license plate. **Do not look directly/indirectly into the lens of the Blinder™ at close range**, as it emits a bright beam of light invisible to the human eye and will cause eye damage with prolonged exposure. Install the Blinders level and horizontal with the level device provided in the kit. An installation electrical diagram for the M27 and M47 **installation are shown below. Install locations are also show below**

MOUNTING:

- 1) Locate the ideal horizontal location for the Blinder Module (see drawing below for 2/3/4 install in front). Locate the modules behind the grille for best, hidden view, but do not allow any physical object in front of the lens.
- 2) Make sure the vehicle is parked on a level surface. Install the laser modules level and pointing straight out from the vehicle. If the grille is rounded, ensure the laser modules are pointing straight out and level. See Diagram left.
- 3) Use provided hardware to fix the Blinder into position. Recheck the level of each laser module before and after tightening to position, using the yellow LEVEL device provided. Remove level device after correct install, snap the inserts provided into the level hole of each laser module to achieve a clean, smooth look on each module.
- 4) Each of the Blinder Jammer modules is connected to the single interface via telephone plug in jacks. The installer will need to find a suitable thru hole in the firewall to route the two M27 cables or the four M47 cables through the firewall. Each cable has a firewall grommet, permitting you to replace the present firewall grommet with the Blinder Grommet. You may need to drill a 7/16" (11mm) diameter hole in the firewall. Use the grommet provided on each cable to seal the firewall.

M27 (2 front modules), M47 (3 front modules) and (1 rear module) or (2 front modules) and (2 rear modules)



Install Locations: Verify your Blinder laser modules are installed level with level provided and ensure the Blinder laser modules are pointed straight down the highway, not left of center or right of center.

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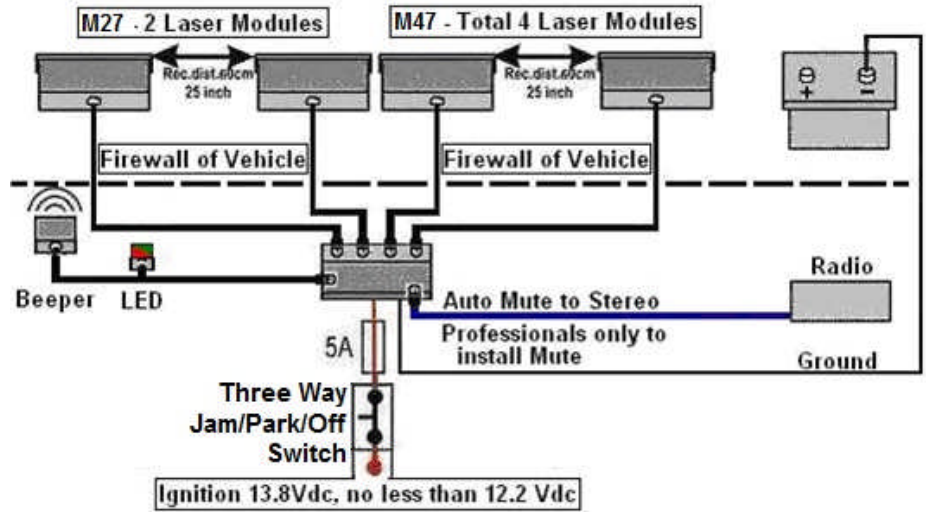
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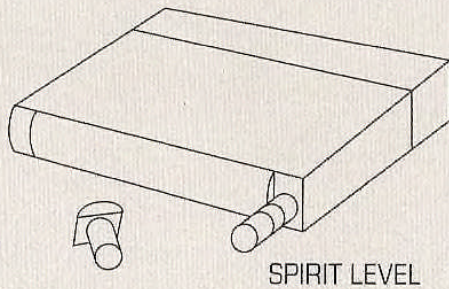
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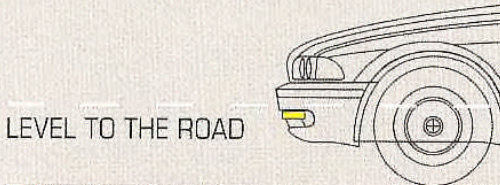
M47: 4 Laser Blinders, Buzzer/LED cable, 12VDC Cables, Level, Install Brackets and hardware. M27 is identical but has two Laser Blinders.

M47 and M27 Electrical Diagram shown above

After finishing the adjustment, re-mount the two plugs into the front of each transceiver.



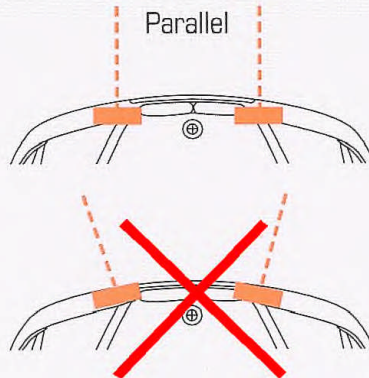
SPIRIT LEVEL



LEVEL TO THE ROAD

Interface Box

Locate a suitable place for the interface box inside the car's interior. The interface box must not be located in the engine compartment because of moisture. The two cables from the transceivers are plugged into two of the jacks indicated by the numbers 1 to 4.



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- 5) Ensure cables are routed with existing cable bundles and tie wrap the Blinder cables in position. Ensure no contact across hot surfaces. Connect red lead to 3 way power switch. **Important: ENSURE 3 Way POWER Switch is in OFF position.** to a spare 12Vdc connection in Ignition fuse box. Connect Fuse and Master Power On/off as shown using hardware provided in box. Connect ground black lead of interface module to vehicle ground inside the cab.
- 6) The **Blue Wire** is a radio mute wire and should only be installed by a professional installer or you could damage your radio.
- 7) Plug Buzzer and LED Alert into appropriate Alert phone plug of the interface module and connect the Buzzer/LED at a location that suits your driving habits (perhaps above the windshield visor, or in the dash, or in the center console).
- 8) Once proper install & electrical hookup is completed, turn Blinder power on. The Blinder™ will go through self test & beep once for 1 second to indicate it is in test mode and beep a 2nd time after about 60 seconds. During the 1st and 2nd beep, you can use your TV Remote to test the laser modules by aiming the TV Remote at the detector of the module (may be on left or right side of each laser module, depending how installed) and select channel up or down. This can only be done during the 1st 15- 60 seconds, at which time the 2nd beep occurs, the Blinder goes into normal search and jam, active mode. See details below. The LED will be green with power on, and when jamming, will turn red. Turn Blinder power off, then on again, if more time to self test is required. You can also purchase the optional Laser Tester to challenge the M47 or M27 anytime after startup. The Laser Tester challenges the Blinder with at least 3 different laser gun pulse rates.

How to perform a test on your
BLINDER X-TREME system

The BLINDER X-TREME will normally only respond to infrared light coming from a speed laser gun, due to the built in laser filter. But with the latest new Blinder technology you have now the possibility to execute your own test, on the system. With an ordinary infrared remote control (TV, DVD etc.) you can test it with in the first 30 seconds after starting up the system. After the 30 seconds you will hear a short beep indicating the test period is finish and the system is ready to protect you.

Point the remote control at the laser jammers and press any key on the remote control. If the system is correctly installed, the laser alarm will go off, and the LED will change from green to red. If you wish to see the infrared jamming LED lighting up, you can use a digital camera (or a mobile phone camera) keep the camera and the remote control with in a distance of 25-50cm (10-20 inches) from the laser jammer.

- 9) You will find the round POWER SWITCH has a 3 way position (Off = 0, Jam = II, Park = 1). By switching the M47 or M27 into Jam mode, you will go through a normal start up of Red LED and a short buzzer alert, then a self test for about 45 seconds, followed by LED change from Red to Green and a 2nd buzzer alert. By placing the M47 or M27 into a PARK mode, the M47 and M27 will flash the LED once Red, then beep when your vehicle is about 1 foot from a vertical wall. You can increase this alert distance by placing a reflective coating on a wall. Test MODE 1 Park Assist to become familiar with its use. Blinder is not responsible for its use by the driver.

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