Please note never touch the internal components of a HID lamp with the power connected as it will contain high voltages. Check with your state authority for current road legislation before converting your lamp to HID. Some hand tools will be required to fit this kit to your Lightforce XGT.

Suggested tools: ruler, marker pen, junior hacksaw, side cutters, crimp pliers, electrical tape or similar, crimps, drill and 6mm drill bit, flat file, and compression rubber or silicone. Some mechanical and hand skills are required to carry out this conversion.

1. Please note which terminal on the rear plug of your light is positive and which is negative before commencing work.
2. Before removing the cover on this lamp observe that it is under slight spring tension. Remove rear cover and set aside.
3. Remove the spring from the light and discard.
4. Remove bulb holder and cut both wires 25mm from the rear of the bulb holder as per photo ‘A’. Mark the positive wire with a small piece of electrical tape (you would have noted this in step 1). Remove the blue alloy spacer in the back of the reflector. Discard the spacer, bulb and bulb holder.
5. You will need to make a hole 74mm x 24mm in the rear of the housing to pass the electronic components through as per Photo ‘B’. Below is one suggested method; you may have an easier way if you have access to more sophisticated equipment than the tools listed above.
6. Mark lines on the black housing as per photos ‘C’ and ‘D’. These lines will be the cut lines you will make with your junior hacksaw or similar device. Drill two 6mm holes as indicated in the diagrams ‘C’ and ‘D’ by the yellow dots. Please note the outer edges of the hole must touch the edge of the yellow cut lines.
7. Cut the three parallel lines you have marked across the top of the rear housing. Cut deep enough to just touch the horizontal line. Remove the blade from your junior hacksaw. Wrap electrical tape around the blade to make a safe handle and leave only about 40mm of the blade exposed.
8. Pass the junior hacksaw blade through one of the 6mm holes and cut along the marked lines. Repeat on the other side using the other 6mm hole. This should free two pieces of plastic either side of the 6mm holes and expose the 74mm x 24mm hole. Use the flat file to remove any burrs from the hole and to tidy the edges. Gently Pull the two wires from inside the light out through this hole for connection later. Tape them to the outer housing to keep them from falling back in.
9. Pass the two electrical connectors on the heavy lead of the black igniter through the hole you have cut. Pass the leads over the hole in the lens that normally accommodates the bulb. Position the black igniter as per photo ‘E’ with the rectangular indent on the longest edge facing outwards away from the reflector.
10. Slide the silver ballast with the red lead pointing upwards in through the cut hole as per photo ‘F’ until the ballast bottoms.
11. Secure the ballast and igniter in the lamp using compression rubber (e.g. door rubber strip) or silicon. Make sure they are well secured and will not move as the light will be subject to shock and vibration when fitted to a vehicle.
12. Pass the spring over the high tension cables on the back of the globe as per photo ‘G’ making sure not to cut or nick the cables in any way – these cables carry high voltages. The cable must exit the spring as per photo ‘G’. Fit your red Xray bulb holder to the globe to make the assembly as in photo ‘G’. Do not touch the glass tube on the bulb as it will significantly shorten the life of the bulb. Set this assembly aside until step 15.
13. Locate the separate harness provided. It has a two-pin sealed plug, a blue wire and a black wire. Connect the blue wire of the harness to the positive wire previously marked with tape in step 4. Connect the black wire to the other original wire inside the light use good quality crimp terminals to connect. These wires have been temporarily taped to the outside of the housing.
14. Connect the end of this harness to the red plug coming from the silver ballast. Position the wires of the harness as per photo ‘H’ making sure to leave clear access to fit the bulb assembly into the bulb holder.
15. (a) Connect the plugs at the end of the bulb assembly to the two matching connectors on the end of the black igniter harness, position them as per photo ‘H’.
15. (b) Position HID globe with square locator cut out at the 6 o’clock position as per photo ‘I’ this is critical for correct bulb alignment.
16. Connect the end of the spring to the round recess in the rear cover. To seal the lamp run a bead of silicone on the inner lip of the rear cover before securing. Secure the rear cover.
17. Connect your lights and test. If your lights do not operate check the power supply on the vehicle and all connections. If they still do not operate check that you do not have the positive and negative connections back to front.
18. You are now ready to enjoy the superior lighting performance of Xray Vision HID.

Conversion Instructions For 12 Volt 35 Watt Lightforce XGT to 12 Volt 35 Watt Xray Vision HID
Part Number HLF60-K12V and HLF43-K12V

Version 11.7