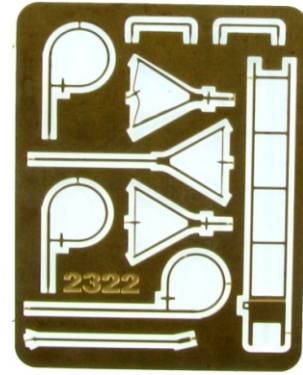


TWO TYPES OF HOOPS



HANDHELD HOOPS INCLUDED

THE LED:

THE CATHODE OR NEGATIVE WIRE IS ABOUT A HALF INCH SHORTER THAN THE POSITIVE OR ANODE WIRE. LED'S VOLTAGE SHOULD NOT EXCEED 3.2 VOLTS DC FOR WHITE, 2.8 - 3 VOLTS FOR COLORED OR THEY WILL QUICKLY BECOME DAMAGED. THE RESISTOR INCLUDED MAKES IT SAFE TO USE THE LED FROM 9-15 VOLTS.

IF YOU ARE USING 12 VOLTS THE RECOMMENDED RESISTOR IS 680 TO 1000 OHMS. YOU CAN BRIGHTEN OR DIM THE LIGHT WITH RESISTORS - MORE RESISTANCE, LESS LIGHT - LESS RESISTANCE BRIGHTENS THE LIGHT. EXPERIMENT WITH RESISTORS 470 OHMS AND UP (TOO HIGH AND THE LED WON'T LIGHT) TO FIND THE LEVEL YOU LIKE.

THE SOLDERED LEDS ARE QUITE STURDY BUT CAN BE EASILY DAMAGED FROM EXCESSIVE TWISTING OF WIRES OR PULLING. QUITE FREQUENTLY THE PAD IS PULLED OFF INSTEAD OF A BROKEN SOLDER CONNECTION.

SOLDERING THE WIRE: THE WIRE USED IS COATED WITH AN INSULATION CALLED *SOLDERON* - YOU WON'T NEED TO STRIP THE WIRE. WE STILL RECOMMEND DRAWING THE WIRE ENDS THROUGH A MOLTEN DROP OF SOLDER ON THE TIP OF THE SOLDERING IRON. EXPERIMENT TO SEE WHICH WORKS BEST FOR YOU.

THE LENS OF THE LED CAN BE TINTED WITH TAMIYA ORANGE CLEAR PAINT FOR A WARMER INCANDESCENT LOOK. IT IS EASILY REMOVABLE. YOU CAN ALSO LIGHTEN THE EFFECT WITH RUBBING ALCOHOL ON A Q-TIP.

2322LED

LED LAMP ASSEMBLY

DRILL HOLE FOR WIRES

THE LED FIXTURE:

WE RECOMMEND A LAQUER BASED PRIMER (LIKE TAMIYA) AFTER CLEANING WITH RUBBING ALCOHOL. THE LAMP SHADE IS NOT GLUED SO IT CAN BE REMOVED FOR PAINTING. WE RECOMMEND USING A CA TYPE SUPER GLUE FOR ASSEMBLY.

DON'T SOLDER THE RESISTOR ON THE WIRES BEFORE RUNNING THROUGH THE MOUNTING HOLE - IT WON'T FIT - JUST A REMINDER.