

# MANDATORY SUPPLEMENTAL READING

MSR

## Lesson 1 - Safety in Hearing.

Use the internet to find examples of the following level of sound pressure.  
Find common examples of the following levels of "noise" in our daily lives. For example, 150 db equals a gun shot, a jet engine at take off, etc.

200 Decibels - Immediate Danger to Hearing

CANNON FIRING

BATTLESHIP

16" GUNS

~~COALICE BOMB~~

~~154 dB~~

SAVRN ROCKET

SONIC BOOM

125 Decibels - Pain Threshold

MILITARY JET w/ AFTERBURNER

RIVETER

120 Decibels - Risk of hearing damage in 75 minutes.

THUNDERCLAP, CHAINSAW

115 Decibels - Risk of hearing damage in 15 min.

OXYGEN TORCH

LIVE ROCK BAND (108-114)

110 Decibels - Risk of hearing damage in 30 min.

STEEL MILL, AUTO HORN @ 3 FT

POWER SAW

105 Decibels - Risk of hearing damage in 1 hr.

JET TAKEOFF @ 1000 FT

LAWN MOWER @ 3 FT

100 Decibels - Risk of hearing damage in 2 hrs.

LOUD CAR STEREO

JET @ 1000 FT

JACKHAMMER

95 Decibels - Risk of hearing damage in 4 hrs.

POWER MOWER

90 Decibels - Risk of hearing damage in 8 hrs.

AVERAGE SYMPHONY