

# MODEL

# M-431

## SPECIFICATIONS:

Reproduction; 8 track, 2 channel, 4 program stereo system

Tape speed; 9.5 cm/sec (3.75 ips)

Wow and flutter; Better than 0.3%

S/N ratio; More than 45 dB

Power amplitude; More than 100 dB

Cross talk; More than 30 dB (for adjacent channel)

More than 40 dB (for adjacent track)

Reproduction frequency range;

50~10,000 Hz

### PUNCH SOUND

100Hz +5 dB

5KHz 0 dB

Load impedance; 4 ohm  $\times$  2

Power output; More than 3.0W  $\times$  2 (for 10% distortion)

More than 6.0W  $\times$  2 (for max. volume)

Power supply voltage; DC 14V (10.8V~15.6V), negative ground

Power consumption; Less than 1.5A (at max. output)

Less than 3.5A (at plunger operated)

Semiconductors; 2 ICs, 8 transistors and 1 diode

Weight; 1.6 Kg (3.6 lb)

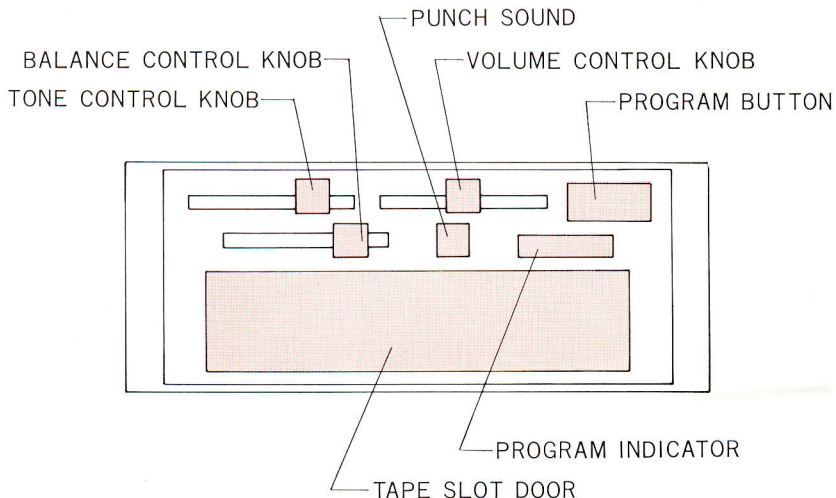
Dimensions; Width: 140 mm (5.5")

Height: 55 mm (2.15")

Depth: 181 mm (7.13")

# MUNTZ STEREO

## OPERATIONS:



### 1. Starting

Power is automatically turned on and the player starts operating when a stereo pack or FM radio cartridge is inserted through the tape slot door.

When a stereo pack is inserted, the program indicator also lights.

### 2. Stopping

The player is automatically stopped when the cartridge is pulled forward.

### 3. Program switching

Automatic switching.....When one program has finished, operation is switched to the next program automatically.

Manual switching .....The desired program can be selected by pushing the program button.

### 4. Volume control

When the volume control knob is slid to the right, the volume increases.

### 5. Tone control

When the tone control knob is slid to the right, the high tone is emphasized and when slid to the left, the low tone is emphasized.

### 6. Balance control

When the balance control knob slid to the right, the volume of the right speaker increases and when slid to the left, the volume of the left speaker increases.

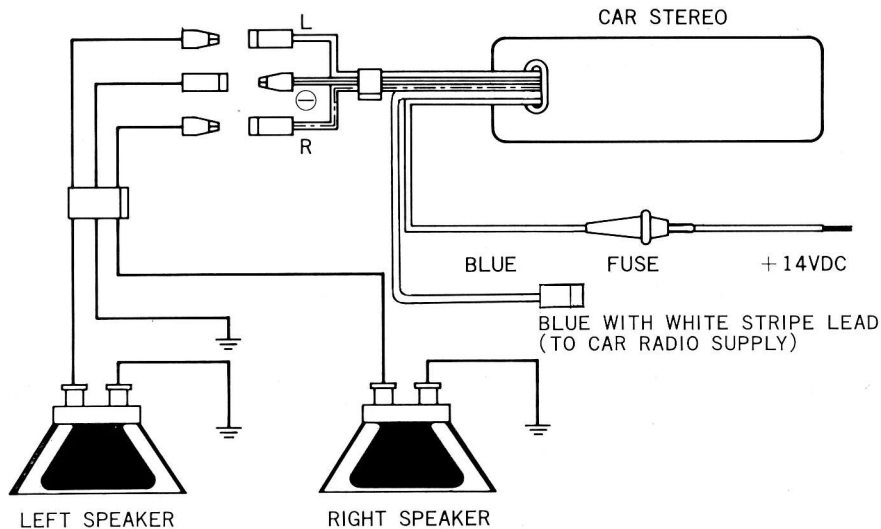
### 7. Punch Sound switching

When the P.S knob is slid, the bass and treble tones are expanded for more enjoyable music.

## OPERATING PRECAUTION:

\* Always use a rated 3A fuse when replacing the fuse.

## WIRE CONNECTION:



## USING THE FM RADIO CARTRIDGE:

### 1. Antenna connection

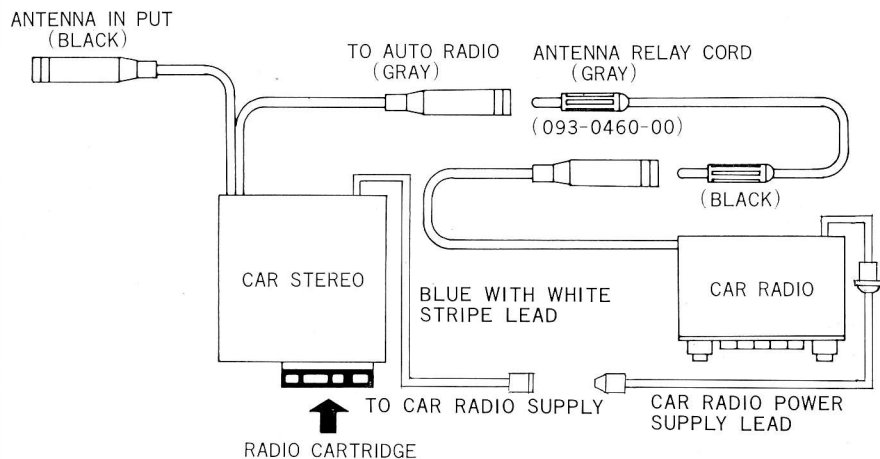
Disconnect the existing radio antenna cord from the receptacle, insert it into the antenna input receptacle (black) at the rear of the car stereo, then insert the antenna jumper into the car stereo relay antenna receptacle (gray) and the radio antenna receptacle.

### 2. Operating procedure

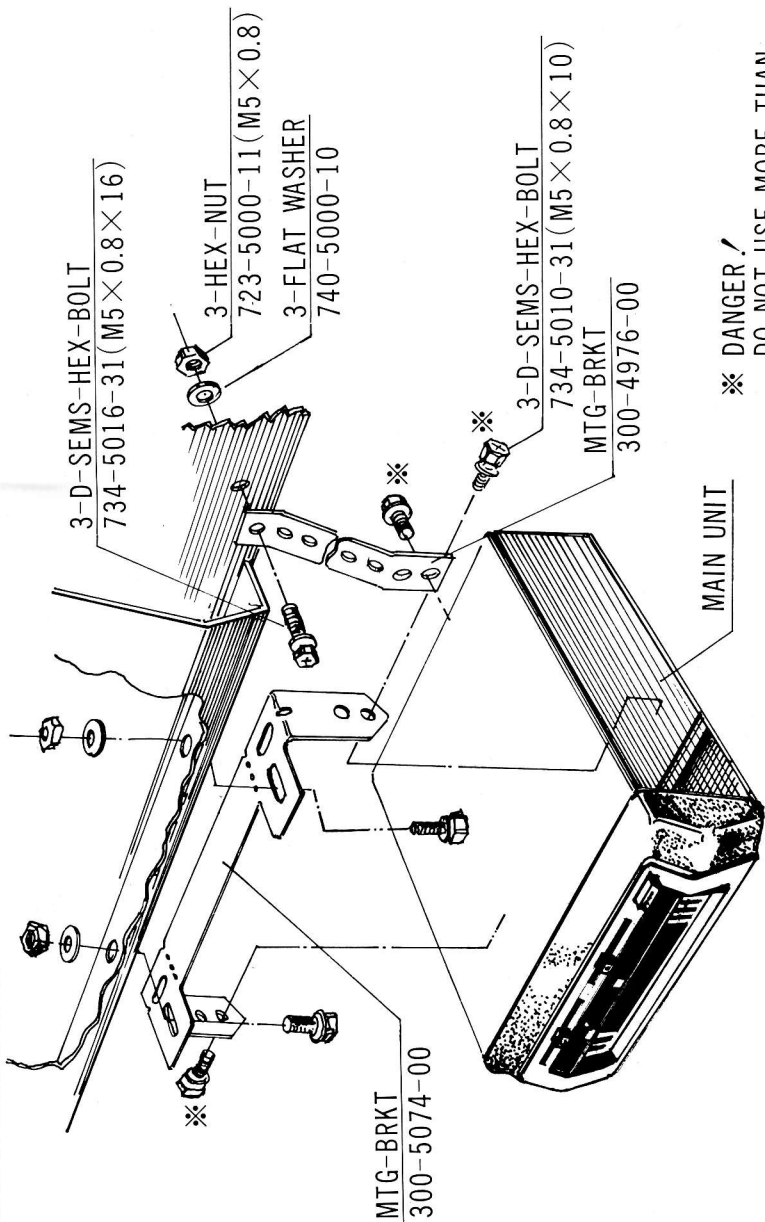
When the FM radio cartridge is inserted through the slot door in the same manner as a music pack, the FM radio cartridge pilot lamp lights and FM broadcasts can be received. To stop, pull the FM radio cartridge out. The power is automatically turned off.

### 3. Antenna switching

When not using the car stereo, it can be connected as the car radio. When the FM radio cartridge is inserted, it automatically becomes the FM radio cartridge antenna.



# INSTALLATION:



※ DANGER!  
DO NOT USE MORE THAN  
10<sup>m/m</sup> ( $\frac{2}{5}$  inch) LENGTH.

# SCHEMATIC DIAGRAM:

