

Minimus-7 Speaker repair/upgrade parts replacement guide.

Originally these were sold with a frequency response of 50Hz-20,000Hz. Later specifications listed 100Hz-20,000Hz. The tweeter top end specification is 18,000Hz and the typical replacement woofer low end specification is 100Hz. This means that we should only expect 100Hz-18,000Hz.

Original colors were Silver, Black, and White in the metal versions. There was a Walnut cabinet version also.

Minimus-7 Lineage:

Minimus 7, 1978 to 1993, Models 40-2030 Black, 40-2034 Silver, 40-2039 Wood, 40-2045 White
Pro 7, 1994 to 1996, Models 40-2066 Black, 40-2065 White
Pro 7AV, 1994 to 1998, Models 40-2048 Black, 40-2059 White
Pro X7, 1995 to 1998, Models 40-2071 Gray, 40-2076 White
Pro-X44AV, 1999 to 2000, Models 40-2080 Black, 40-2081 White

The tweeter design was changed in 1983. The name was changed from Realistic to Optimus in 1994.

Original black swivel mounting brackets were part number 40-2031. These have been nearly impossible to find. Part numbers are unknown for other colors.

Woofer:

Parts Express
Goldwood GW-204/8S 4" Shielded Poly Woofer 8 Ohm
Sku 290-372
<http://www.parts-express.com/pe/showdetl.cfm?Partnumber=290-372>
Current Price: \$9.67 each

Electronix
4" 70W WOOFER SPEAKER (8 OHM)
Part# : 11-201
http://www.electronix.com/catalog/product_info.php/cPath/1_328/products_id/13512
Note: Speaker frame is gold in color, shows up behind grill unless painted.
Current Price: \$5.49 each

Original replacements
Radio Shack 1218 (OEM), 1234 (OEM), 40-1022 (Retail box)
Sometimes available used on eBay
Current Price: Varies and is usually excessive.

Tweeter:

Possible replacement
Parts Express
Tang Band 25-302SH 1" Shielded Neodymium Dome Tweeter
Sku 264-804
<http://www.parts-express.com/pe/showdetl.cfm?Partnumber=264-804>
Note: Modifications required - Tweeter must be removed from it's housing and glued to the inside of the old faceplate. Old faceplate screw holes must be filled.
Current Price: \$19.94 each

Original replacements
Radio Shack SD-13 (Aluminum Plate), SD-50 (Steel Plate), SD-59 (Plastic Plate), and SD-60 (Plastic Plate)
Sometimes available used on eBay
Current Price: Varies and is usually excessive.

Bracket:

Monoprice
Adjustable Tilt & Swivel Wall Mount Bracket for LCD (Max 44Lbs, 10~30inch)
Product ID: 3005

<http://www.monoprice.com/products/product.asp?>

c_id=108&cp_id=10828&cs_id=1082802&p_id=3005&seq=1&format=2

Note: Modifications required - Drill two holes at 80mm spacing 15mm from the top.

Note: After testing, the following two notes are of dubious value. The top of the brackets drilled at 80mm spacing and secured to the Minimus-7 with only two screws seem more than adequate for secure mounting.

Note: Optional - Use double sided tape for vibration damping and further mounting.

Note: Optional - Drill and tap two holes in Minimus-7 for lower screws at the 75mm locations on bracket instead of foam tape.

Note: Optional - Paint brackets to match speaker color.

Note: Optional - Replace knob with standard nut and washer to increase range of horizontal adjustment.

Note: Screws included fit existing holes.

Current Price: Qty 1 \$5.59 each, Qty 2-9 \$5.29 each

Crossover:

eBay

User litekeys

<http://shop.ebay.com/merchant/litekeys>

Note: These are upgrades that add a low pass section for the woofer. Some express an opinion that these are of dubious value. I think that they improved the quality of the sound.

Current Price: In excess of \$20 pair

Paint:

Krylon

Satin Black

Part# 51613

UPC 724504016137

Current Price: Varies, not expensive.

Screws:

Screws are standard and metric thread. I have not yet figured out the exact threads but the screws from the monoprice bracket kit fit the speaker mounting bracket holes.

Woofer M?x?mm

Tweeter M?x?mm

Bracket M?x?mm

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