REPLACEMENT PARTS LIST

**COMPONENT**

- **SX50**
- **SX100**
- **SX200**
- **SX200H**

**DESCRIPTION**

- **03-60043** 1 EACH 7MM SPINNER & ADHESIVE 9 MIL
- **03-49553** 2 EACH TAPE W/ADHSVE 3M .375 X .375
- **06-40070** 2 EACH TERMINAL .25"TAB/.156"LUG/.032"SLOT"NUT
- **10-03150** 1 EACH CHASSIS SX50/100C
- **10-03020** 2 EACH STRAIN RELIEF 7/8"DSH/3/8"SL
- **04-30101** 6 EACH WASHER NYLON .048IDX.125Dx.060THK
- **04-33912** 10 EACH WASHER NYLON .375IDX.125Dx.060THK
- **04-58645** 10 EACH CABLE RED/BLACK 24" 16GA ALUM
- **04-60056** 1 EACH CABLE RIBBON 30MM 24AWG
- **04-60055** 1 EACH CABLE RIBBON 16GA ALUM BLACK 50MM 24AWG
- **04-60054** 1 EACH CABLE RIBBON 16GA ALUM 25MM 24AWG
- **06-58040** 7 EACH SNAP PLUG 220V 15A 125V/250V 2P/3W
- **06-40092** 20 EACH SNAP PLUG 125V 5A 15A 2P/3W
- **06-40091** 200 EACH SNAP PLUG 125V 1.5A 5A 2P/3W

**SERIAL NUMBER**

- **03-01200** 4 EACH 3/8"D HOLE DRILL BIT
- **04-44100** 1 EACH 6.35MM PANEL TUBE SOCKET

**INSTRUCTIONS**

- **FOR YOUR PROTECTION, PLEASE READ THE FOLLOWING:**
  - **WATER AND MOISTURE:** Appliance should not be exposed to rain or other sources of moisture.
  - **CLEANING AND SERVICING:** Use only a damp cloth for cleaning; avoid contact with food, soap, or other food-preparation areas.

- **LIMITED WARRANTY:** Your Carvin product is guaranteed against failure for ONE YEAR unless otherwise stated. Warranty covers repair or replacement of any part at no charge to the customer. This warranty is VOID if the unit is altered in any way. Prepaid shipping charge and return of shipping label is the responsibility of the owner. CARVIN ASSUMES NO RESPONSIBILITY FOR DAMAGE DUE TO FIRE, ACCIDENT, ALTERATION, ABUSE, LACK OF REASONABLE CARE, INCORRECT USE, OR FAILURE TO FOLLOW INSTRUCTIONS. This warranty is in lieu of all other warranties, expressed or implied. No representative or person is authorized to represent or assume for CARVIN any liability beyond that expressed in this warranty.

**SERVICE**

- **In the USA, please call 1-800-255-2353 or FAX (408) 994-4840.**

**HELP SECTION**

- **APPLIANCE NOT WORKING:**
  - **AMPLIFIER SHUTS OFF:** Check the power to the amp. Check for tripped circuit breakers, unplugged extension cords or defective power supplies. Also verify the effects loop is working.
  - **NO OUTPUT:** Check the input, cables & effects. If the amp works by itself, the problem is with your speaker.
  - **NO SIGNAL:** Check the effects loop; if the amp still does not work, take it to a dealer for service.

**SAFETY INSTRUCTIONS (EUROPEAN)**

- **Green-Label—Earth**
  - **Blue—Neutral**
  - **Brown—Live**

**WARNING:** Never plug a speaker into a power socket that has been subjected to water or any other liquid.

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The drive channel delivers 12AX7 tube saturation and EL34 power tube compression.

4. Channel 1 Indicator

of each other and can be played simultaneously.

(50x50x50) no longer than 25 feet. A long cable will reduce the overall treble response to function (only CH 2 will function if it’s in the wrong position).

6. Channel 2 Clean

2. Channel 2 Bass, Mid & Treble Controls

The exclusive BLUES SWITCH adds the critical mid tones in the 525 Hz range that is deeper bass and crisper highs.

15. Effects Parameters

A) ECHO: Select the amount of the regeneration (repeating). Now select the ADJUST control for the shortest or longest delay time between the original signal and the echo. B) REVERB: Select the amount of presence (high frequency) in the reverb. Now turn the ADJUST control to provide the minimum or maximum decay. C) CHORUS: Select the amount of reverb with your chorus. Now turn the ADJUST control to increase the depth. D) FLANGE: Select the amount of speed with your flange (phasing effect). Now turn the ADJUST control to increase the depth.

17. Effects Output Level Control

This CH 1 bass control is used to set the amount of effects you want blended into your guitar. This control affects the overall effects level including the alternate reverb system featured on the SX50. Note: The effects level is not controlled by the Smart Effects™ memory so you must manually change it if you need different levels between channels.

18. Power on/Off Switch & Pilot Light

The drive switch will turn on the power to the amplifier. The brass jeweled pilot light illuminates when the amp is powered on.

19. Footswitch

Carvin’s FS22 dual footswitch is recommended for remote channel switching and DSP effects ON/OFF switching. Both foot pedals with 2 switches featuring a stereo plug will work. For channel switching, be sure that the 1/2 CHANNEL select switch between the channels is in the “OUT” position. If only CH 2 works, the 1/2 channel select switch is in the wrong position.

20. Headphone

The stereo HEADPHONE 1/4” jack is “CABINET VOICED” to prevent excessive highs. This greatly reduces ear fatigue.

21. Cabinet Voiced Line Out

The line out is “CABINET VOICED” to prevent excessive highs. If you are like most players, you probably want to plug in your new amp and get started playing right away. You can read the rest of the manual later to learn the finer points of operating your amp. In order to get started you will need your SX AMP, a 120 or 230 AC grounded power outlet, your instrument, and a standard guitar cord. With the amp turned off, you may now plug into the proper AC voltage.

Now turn all the volume and overdrive controls of set tone controls at their mid position. If you have purchased the FS22 footswitch, plug it into the rear foot switch jack for switching the channels and effects. Note: The CH SELECT SWITCH must be in the “OUT” position (CH 1) for the FS22 to function (only CH 2 will function if it’s in the wrong position).

Note: For remote footswitching leave the 1/2 CH SELECT SWITCH in the “set” (CH 1) position when connecting the FS22 footswitch.

To use the true dual channel feature of the SX50 and SX100, plug a second guitar into INPUT 2. When a guitar is plugged into both inputs, the channels become independent of each other and can be set by single coil pickups, you may want to adjust the PRESENCE control to increase the depth.

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The drive channel delivers 12AX7 tube saturation and EL34 power tube compression. This channel incorporates a dual section lead DRIVE control with a 72 dynamic range so you can get screaming clean, a fabulous blues tone or soft clipping to full blown overdrive with total tone wackiness. For maximum 12AX7 tube saturation, set the DRIVE control between 2 & 3. For some of the best saturation, set the control between 4 & 6. For full blown drive, set the control between 6 and 10 (your guitar volume should be turned all the way up). Because the SX AMP has a lot of gain in the DRIVE control, you can get guitar feedback. If feedback is a problem, reduce the amount of DRIVE or move the guitar away from the speaker.

8. Channel 1 Bass, Mid & Treble

These active tone controls develop the heart of your sound. It is important that you start at the mid point (5) on each control. The total range of these controls are a substantial 20 dB (10 dB) with a center frequency at 80 Hz for BASS, 600 Hz for MIDS and 8 kHz for the TREBLE. These controls are very powerful in their effect so take time with the different settings for your ultimate sound.

9. Channel 1 Presence (SX500/H Only)

Channel 1 features its own PRESENCE for added treble. It’s frequency range is at the very high end of the guitar spectrum (11K Hz) for screaming, gritty harmonics. If you have purchased the SX50 or SX100, set the PRESENCE control to increase the depth.

16. SX50 & SX200 Alternate Reverb System

The SX50 features a 24-B Internal FUSE to add protection to the power circuit. The internal FUSE is located inside the chassis. This is not user serviceable. Contact Carvin’s Service Department

23. Effects Loop (Send & Return) (SX500/H Only)

Although the SX500 has built-in effects, you may wish to use it’s separate effects loop for the flexibility of adding a pedal-effect, use this effects loop instead of plugging the guitar into the effects and then into the amp. To use the EFFECTS LOOP, plug the tip of your effects into the SEND jack and the output of your effects into the RETURN jack. Use shielded cables.

24. AC Power & Fuse

The AC power cord is designed to operate with any voltage from 90-250VAC 50-60Hz. Plug the cord into a grounded “3 prong” power source. No attempt should ever be made to defeat or use the amp without the ground connected.

The smart effects™ 24-bit DSP is an advanced digital signal processing system that is independent from the Smart Effects™ system. By pushing back the bag switch on the rear panel, a new suite of effects are activated. Smart Effects™ adds the critical mid tones in the 525 Hz range that is nearly off.

Note: The ADJUST and CHANNEL switches do not retain their stored settings. Make note of your favorite effect settings.

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