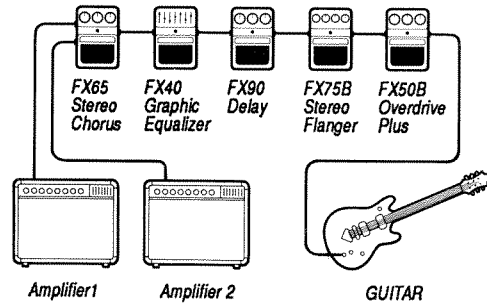


A stereo multiple effects setup using the FX72 or FX75B might look like this:



IMPORTANT NOTES

- When you're not using the FX72 or FX75B, be sure to unplug the INPUT jack so as to not waste the battery.
- If you are not going to use the FX72 or FX75B for an extended period of time, remove the battery to avoid possible damage to the unit from leaking battery fluids.
- If the FX72 or FX75B fails to switch in or out of the LED indicator stays lighted, the battery is probably used up and needs to be replaced.
- It is a good idea to keep a fresh battery in the battery compartment while you're playing the FX72 or FX75B so that even if the A.C. adapter

should accidentally come out, your FX72 or FX75B will continue to work.

- The use of any A. C. adapter other than a DOD PS-3 or DOD FX105 will void the warranty of this product.
- Unauthorized repair of the FX72 or FX75B will void the warranty. Should your Stereo Flanger or Bass Stereo Flanger require service, contact your DOD FX pedal dealer for return/repair information.

CHANGING THE BATTERY

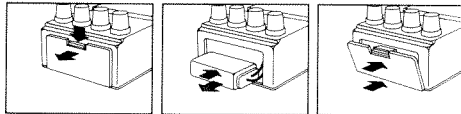


Figure 1

Figure 2

Figure 3

Figure 1: Push battery compartment cover tab down and pull out at top.

Figure 2: Remove used battery. Replace with an EVEREADY® 9 volt No. 219 (NEDA 1604) or EVEREADY® ENERGIZER® 9 volt battery No. 522. Snap on new battery and replace as shown.

Figure 3: Insert compartment cover in groove and push closed to latch.

SPECIFICATIONS

Input Impedance: 500K ohms.

Output Impedance: 1K ohms.

Delay Time Range-FX75B: .5 to 6 milliseconds

Delay Time Range-FX72: 1 to 12 milliseconds

Sweep Speed: .8 to 8 Hz

Bandwidth: 40 Hz to 16K Hz.

Gain: 0 dB.

Power Supply: one 9 volt battery or DOD PS-3 A.C. adapter.

Size: 5" x 3" x 2 1/4" (126mm x 77mm x 57mm).

Weight: 1.2 lb. (.55 kg).

DOD WARRANTY

1. The warranty registration card must be mailed within ten days after purchase date to validate this warranty.
2. DOD warrants this product, when used solely within the U.S., to be free from defects in material and workmanship under normal use and service.
3. DOD Electronics liability under this warranty is limited to repairing or replacing defective materials that show evidence of defect, provided the product is returned through the original dealer, where all parts and labor will be covered up to a period of three years. The company shall not be liable for any

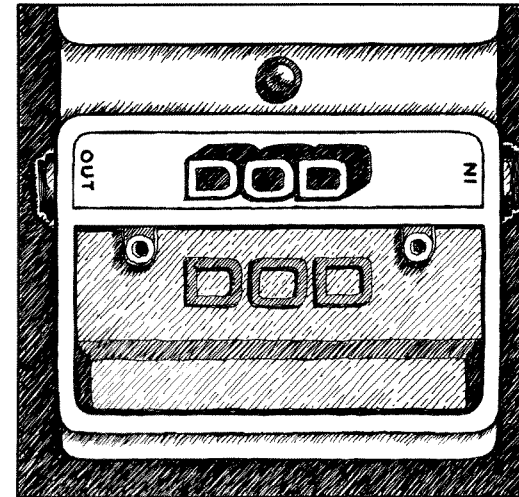
consequential damage as a result of the product's use in any circuit or assembly.

4. Proof of date of purchase is considered to be the burden of the consumer.

5. If this product is battery operated: Batteries are not covered by this warranty. Please remove weak or dead batteries in order to prevent corrosion damage.

6. DOD reserves the right to make changes in design or make additions to or improvements upon this product without incurring any obligation to install the same on PRODUCTS PREVIOUSLY MANUFACTURED.

7. The foregoing is in lieu of all other warranties, expressed or implied, and DOD neither assumes nor authorizes any person to assume for it any obligation or liability in connection with the sale of this product. In no event shall DOD or its dealers be liable for special or consequential damages or from any delay in the performances of this warranty due to causes beyond their control.



INSTRUCTION MANUAL

FX75B Stereo Flanger FX72 Bass Stereo Flanger

DOD Electronics Corporation

5639 South Riley Lane Salt Lake City, Utah 84107
Telephone (801) 268-8400 FAX (801) 262-4966
Telex 4943178

INTERNATIONAL DISTRIBUTION:

DOD International

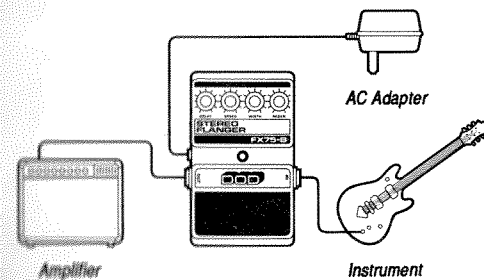
10 Cindy Drive Nashua, NH 03062
Telephone (603) 888-5230 FAX (603) 888-6750
Telex 501187

Copyright 1987 DOD Electronics Corporation
The specifications in this manual are subject to change without notice.

WHAT THE FX75B STEREO FLANGER AND THE FX72 BASS STEREO FLANGER DO.

The FX75B and FX72 delay the input sound and then mix the delayed and original sound together. The DELAY time control adjusts the amount of delay time in conjunction with: the WIDTH control which sets the range through which the delay time may vary, and the SPEED control which adjusts the rate at which delay time changes. The REGENERation control adjust the height of the comb filter peaks by controlling feedback through the delay circuitry. The REGENERation control allows the adjustment of the effect from very subtle to very pronounced.

CONNECTING THE FX72, AND FX75B



Connect the INPUT of the FX72 or FX75B to your guitar with a 1/4-inch mono phone plug. Connect the OUTPUT of the FX72 or FX75B to your amplifier (or to the input of the other effects if you're using them) with a 1/4-inch mono phone plug. Both of the flange units create a stereo effect. These units may be connected directly to two different amplifiers in a stereo setup, or may be used to create a stereo effect as the last effect unit in a multiple effect setup. To eliminate the need for a 9 volt battery, attach either the DOD PS-3 or the DOD FX105 power supply to the 3.5mm A.C. adapter jack.

FEATURES

The FX72 Bass Stereo Flanger and the FX75B Stereo Flanger are four-control knob flange effects units that offer controls for adjustment of DELAY time, SPEED of the sweep, WIDTH of the delay time range, and REGENERation.

The FX72 Bass Stereo Flange and FX75B Stereo Flange also feature:

- Stereo effect generation for stereo amplifier setups.
- FET switching for "clickless" insertion into the signal path.
- LED indicator shows the status of the effect and battery condition.
- No tools, easy access battery compartment.
- Adapter jack for A.C. operation.

- Rugged die cast metal case.
- Three year limited warranty.
- Rubber non-skid bottom.

CONTROLS

DELAY: This control adjusts the delay time in conjunction with the WIDTH and SPEED controls for the flange effect.

SPEED: Adjust the speed of delay variation from .8 cycle per second up to 8 cycles per second. This control is used in conjunction with the WIDTH control to get a good sounding flange effect.

WIDTH: Sets the total amount of delay time variation for the depth of the delay sweep.

REGENERation: adjusts the peak height of the comb filtering by controlling feedback through the delay circuitry. It allows adjustment of the effect from very subtle to very pronounced.

FOOT SWITCH: switches the flange effect IN/OUT of the signal path.

LED INDICATOR: lights up when the flange is enabled.

JACKS: INPUT, OUTPUT 1, OUTPUT 2, A.C. ADAPTER, (Use either the DOD PS-3 or DOD FX105 power supply to eliminate the need for batteries.)

OPERATION OF THE FX72 BASS STEREO FLANGER AND FX75B STEREO FLANGER

The flange effect was originally born in the recording studio. A studio engineer would put two tapes of the same song on two tape machines and start them at the same time. As the songs played, he would drag a finger on the supply reel flange of one of the tape machines, thereby slowing down that tape and causing a slight delay in play back time between the two machines. That delay in time would cause certain frequencies to reinforce one another and certain other frequencies to cancel one another when the signals from the two tape machines were added together. This effect is called comb filtering.

Pleasing flange effects are a careful balance of varying the amount of delay time (WIDTH) and the SPEED at which the delay time variation is swept. The most useful flange effects are usually obtained with either a slow sweep SPEED through a large delay time variance (WIDTH) or a faster sweep SPEED through a small delay time variance (a shallow WIDTH). Too fast a sweep SPEED through a wide time variation WIDTH results in an unpleasant warbly "out of tune" sound.

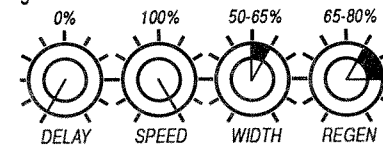
The DELAY and the WIDTH controls interact with each other. When the WIDTH control is at its maximum setting, the DELAY control has no effect. And when the WIDTH control makes the greatest variation to the sound, allowing you to "tune" the

comb filtering. Combining the DELAY control with a small amount of WIDTH allows you to "tune" where in the sound frequencies the flanging occurs.

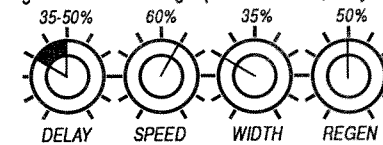
The best flange effect results from using two amplifiers in a stereo setup. The sound of the flange effect is a matter of taste and will change according to the type of music you play. The following are starting points for you to begin to make your own flange effect sounds.

Sample settings for the FX75B Stereo Flanger

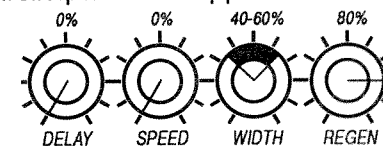
Settings for a tremolo sound:



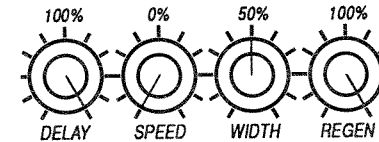
Settings for a thick flange (like a chorus, only tighter):



Slow sweep for a "tubular" pipe sound:

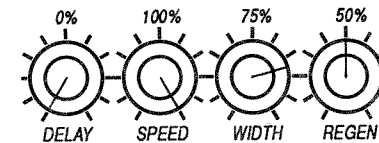


Computer Voice (weird sound):

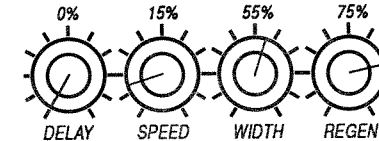


Sample settings for the FX72 Bass Stereo Flanger

Settings for a tremolo sound:



Settings for a slow flanging sound:



Settings for a thick flange sound:

