DynAmp, LLC

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SPARE PART(S) INSTALLATION

ITEM NO.S 046129 / 046606 / 046605
DESCRIPTION LKAT2 Noise Suppression Kit

BCS017

REVISION B

This instruction is a supplement to and does not supersede the instructions in the product user manual. If you do not have a manual, please contact DynAmp before proceeding. The product user manual should be the guide when a conflict occurs.

General Safety Guidelines:

 Use CAUTION during installation; high voltage and current may be present. Some Systems are grounded and contacting the Unit/System and the Bus Bar at the same time may result in ELECTROCUTION.

may result in ELECTROCOTION.				
Specific other safety instructions:				
Tools Needed: Dow Corning #4 Compound Provided	☐ Pliers ☐ Screw Starter X Screw Drivers ☐ Solder Iron	☐ Torque Wrench☐ Adjustable Wrench☐ Multimeter☐ Organic Core Solder	X Wire Lugging X Wire Strippers Other	S
General Instruct	ion Guidelines:			
See Attached Di	<u> </u>	Photo X <u>Attached at be</u>		March 2015
Work Instruction	ons:			
DynAmp testing	indicates the vast majo	rity noise problems are coupl	ed by conduction.	
where the noise It is easy to add The order of inst	is entering the LKAT sy remove the clamp-on fe tallation probably does r	errites to evaluate their effect	iveness.	it is known
close as possible	T clamp-on ferrites (Dy e to the Metering Unit. he symptoms persists.	nAmp Item Number 046129)	to the mains powe	r wiring, as
cable as close a		lamp-on ferrites (DynAmp Ite ng Unit but leaving room for t		

3.) If symptom persists, add (1) Laird core (DynAmp Item Number 046606) to each Measuring Head Cable Assembly between the ZCATs and the Metering Unit.

NOTE: The customer will need to remove plugs P1 and P2 to install the cores.

Once installed, reconnect the head wires to P1 and P2.

Check to see if the problem persists.

4.) If the symptoms persists, repeat step 2.) for the output cable. Use (2) DynAmp Item Number 046129.

Check to see if the problem persists.

5.) If the symptoms persists, repeat step 3.) on the output cable (1) core only. Use (1) DynAmp Item Number 046606.

Check to see if the problem persists.

6. The final step, if required, install (1) Schaffner high performance line filter (DynAmp Item Number 046605) per system, connected in-line with the mains input power as close to the Metering Unit as possible. Requires the use of (2) DynAmp Item Number 025649 insulated lugs and (3) DynAmp Item Number 025650 insulated lugs per system. Reference Nidec LKAT2 Sigma Noise Suppression Kit pictures for lugs used on each terminal based on typical wire and wire diameters used for the mains wiring.

