



NU-STAR MATERIAL HANDLING LTD

IF IT ROLLS ... WE CAN MOVE IT! ®

SERVICE MANUAL

Nu-Star CH2 & CH5 Series Headset equipped machines

MAIN THROTTLE ASSEMBLY REPLACEMENT PROCEDURE

English - 2018 Edition

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Introduction

The following guide shown below is intended for use by the end user of the product and will familiarise the user with the aforementioned maintenance procedure. The processes used are a standard procedure for Nu-Star Material Handling Ltd. and should be followed closely in order to minimise any risk of damage to the machine or self.

Always observe warning signs and notices. Refer to the user manual for further information.

Appropriate PPE **must** be worn for all tasks undertaken.

Nu-Star EM60/EM90 Batteries are sealed for maintenance-free service. **Do Not** attempt to open the units – risk of damage or serious injury may occur.

If you are unsure of a task or require further servicing information, call Nu-Star Material Handling Ltd on **+44(0) 115 880 0070**

MAIN THROTTLE ASSEMBLY REPLACEMENT PROCEDURE

For all machines fitted with the Nu-Star CH2 & CH5 series of headsets

Step 1

With the machine **OFF** and **ISOLATED**, begin by removing the 6 retaining screws holding the stainless handle front-plate in place. Ensure to disconnect the clock display plug behind before completely removing the access plate. This will grant access to the internal electrical assemblies.



Step 2

Disconnect the 9-pin block connector located in the upper area of the handle body; this is the main throttle connector.

Note: Make sure to separate the connector by applying pressure the connector halves. Do NOT pull on the wires.



Step 4

Use a 3mm Allen key bit on a ratchet tool to remove the 4 small retaining screws that hold the handle top plate in place. Disconnect the horn microswitch connections underneath, and place the top plate to one side. You will now have access to the throttle assembly with the emergency reverse assembly located underneath it.



Step 5

Carefully remove the old throttle assembly, ensuring that the microswitch underneath is lifted out with it. Feed the already-disconnected block connector through the lower hole in the headset chassis, then remove the throttle assembly entirely.



Step 6

Using a screwdriver, remove the two plastic throttle butterflies on each side of the assembly. Keep these safe and to one side.



Step 7

Once the new unit is fully installed, re-fit the remaining headset components in the reverse order of removal. Make sure that the new key is kept with the machine to avoid operator error, and dispose of the old key and key-switch where necessary.

Note: When re-fitting the 4 retaining screws for the handle top-plate, do not overtighten as this will cause damage to the plastic assembly.

