



REFERENCE NUMBER: HMT-0108-00-E

SUBJECT: M07RD006- Recal #36 M2 Serie Backup safety hooks replacement and installation procedure

EFFECTIVE DATE: June 18, 2007

APPLICABLE SERIES: M2

APPLICABLE SERIAL NUMBERS: ALL

Dear Dealer

As all of you know, Hydro-Mobile takes safety very seriously. In that light I can say that we are the only manufacturer that I know that does destructive testing on all critical components. It has recently come to our attention during a destructive test of another component that the back-up safety hooks on both the M2 and the P-series are at risk and need to be changed.

It seems that the treatment of the metal which was done intentionally to help the hook slide on the tower has also changed the properties of the metal making it brittle in cold weather. We found that at freezing temperatures, the safety hooks will shatter during a drop with full load under worse case conditions.

Four new style safety dogs will be shipped to you for each M2 machine or two new style hooks will be shipped for each P series machine.

Enclosed is a work description and a list of serial numbers we have identified you have purchased. **ALL M2 and P series machines** are included.

If you would prefer, you can supply us with all of the required customer information, and we will make the recall on your behalf. We are immediately prepared to handle this situation and look forward to a positive response in the spirit of workers safety throughout the country. We look forward to your cooperation in this urgent matter.

We will be in contact with you soon to discuss the best way to address this in your area.

Sincerely

Vincent Dequoy
President
Hydro-Mobile Inc.



Research & Development

www.hydro-mobile.com
1-888-484-9376

Procedure

TO: Nancy Marcil
FROM: Emmanuel Paquin
CC: Vincent Dequoy, Daniel Champagne , Sony Trudel, Gabriel Daigle, Thierry Lachapelle, Sylvie Beaudoin, Stéphane Béliveau, Chad Baumgartner, Jean-Pierre Blain
DATE: June 18, 2007
No : PR-M2-07006_EN rev2
Re: M07RD006 – M2 Series - Backup safety hooks replacement and installation procedure

M2 Series:

The following procedure specifies the steps to follow for the removal of the old backup safety hook models and the installation of the new models on M2 Series motorized units. In order to complete this procedure, the installer must have the following parts and tools:

List of new parts:

- 4 new pre-assembled M2 Series backup safety hooks [#11021009-0-00000-4]

List of parts that can be reused:

- 4 x 1"-8 x 8", GR-8 hex bolts [#A0310007-0003]
- 4 x 1"-8, GR-8 nylon insert hex locknuts [#A0330209-0001]

List of required tools:

- 2 x 1 1/2" open-end wrenches
- 1 grease gun with 1/4" fitting filled with Prolab GS-1000 synthetic grease

I – Procedure to remove the old safety hooks:

1. Locate the old safety hooks (circled and shown in yellow in **figure # 1**; safety hooks are actually black in color).
2. Using the two 1½” open-end wrenches, completely remove the 1” nuts (shown in **figures #3 and #4**). If the nuts are stuck on the bolts, use a pry bar.
3. Remove the 1” bolts and the safety hooks from the structure.
4. Clean the nuts and bolts.
5. Carefully inspect the nuts and bolts that will be re-used with the new hooks. Replace any damaged nut or bolt.
6. Throw away the old safety hooks. **Do not keep them.**
7. Clean the 1” bolt holes in the structure (as shown in **figure #4**).

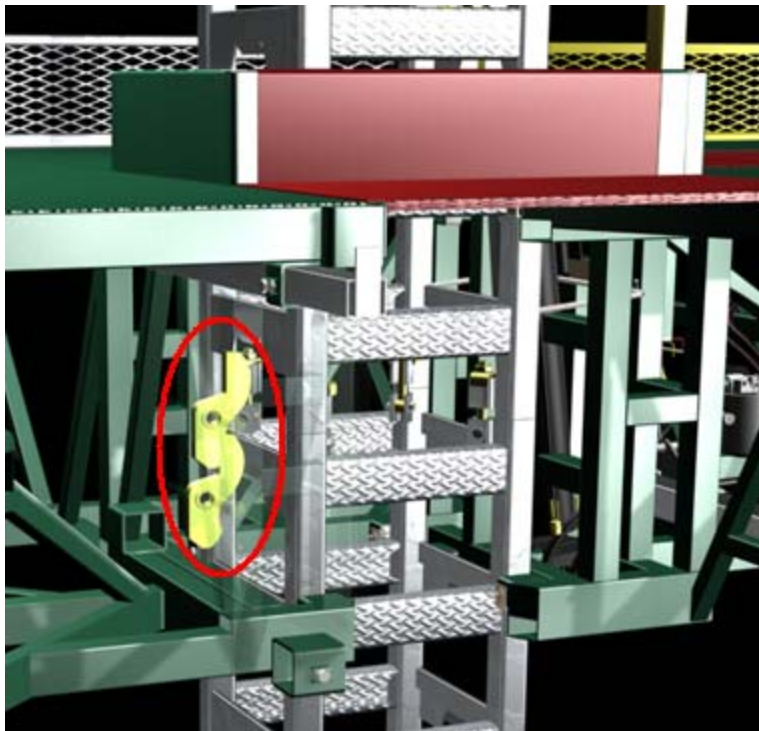


Figure #1: Old safety hook

II – Procedure to install the new safety hooks:

1. Make sure that the new safety hooks are preassembled with all the necessary parts as shown **figure #2**. **Warning: M2 Series safety hooks are different from P Series safety hooks.**
2. Position the new safety hook between the bolt holes in the structure, as shown in **figure #3**.
3. Insert the 1" bolt through the structure and the hook. The bolt must be installed in the same direction as shown in **figure #4**. It is important for the safety hook to be closer to the nut than to the bolt head.
4. Using two 1 ½" open-end wrenches, screw the 1" nut on the 1" bolt. Tighten the nut so it rests firmly against the structure and cannot be turned by hand.
5. Grease the safety hook through its greaser nipple (item #2, **figure #2**) with Prolab GS-1000 synthetic grease.
6. Squeeze in grease until it comes out from between the bronze rings and the 1" bolt.
7. Make sure that the safety hook can move freely on its pivot pin and that it can easily be turned at 90° without any friction. This verification also allows to grease the pivot pin.
8. If there is friction, it is due to a gap between the bronze rings and the safety hook (item #1, **figure #2**). Push in the two bronze rings until they are snug against the hook to remove any friction. Verify if there is still friction when the safety hook is turned.
9. On each motorized unit, verify the installation of the safety hooks by successively raising and lowering the platform by about 6 feet at least four times. During this test operation, the safety hooks should return to a vertical position when they are not pushed by a mast rung.

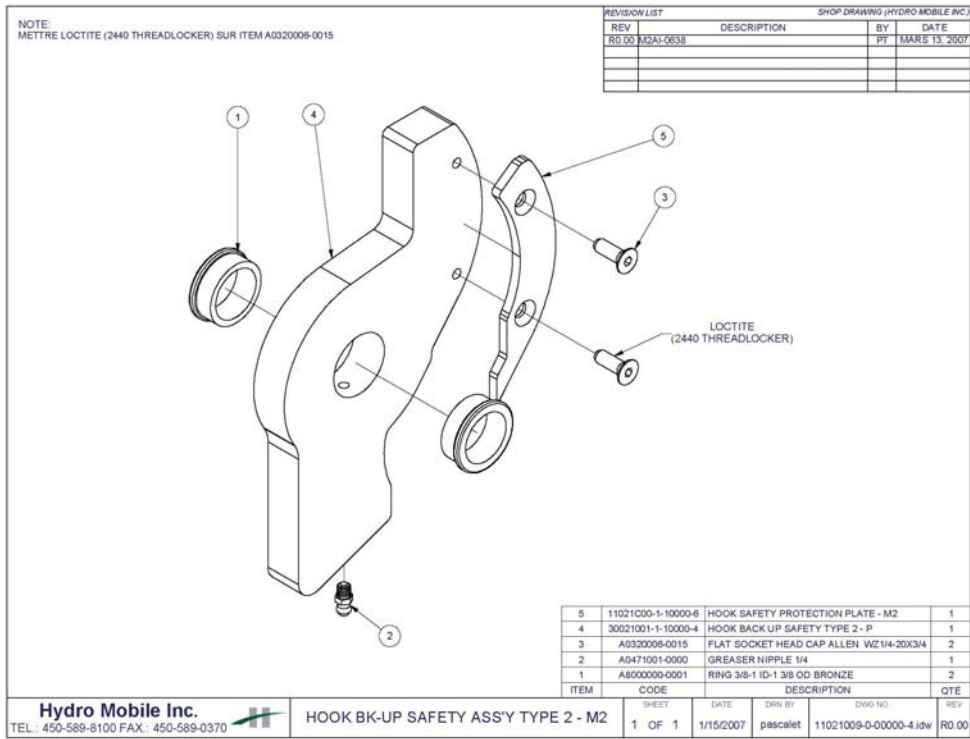


Figure #2 : M2 Series Safety Hook

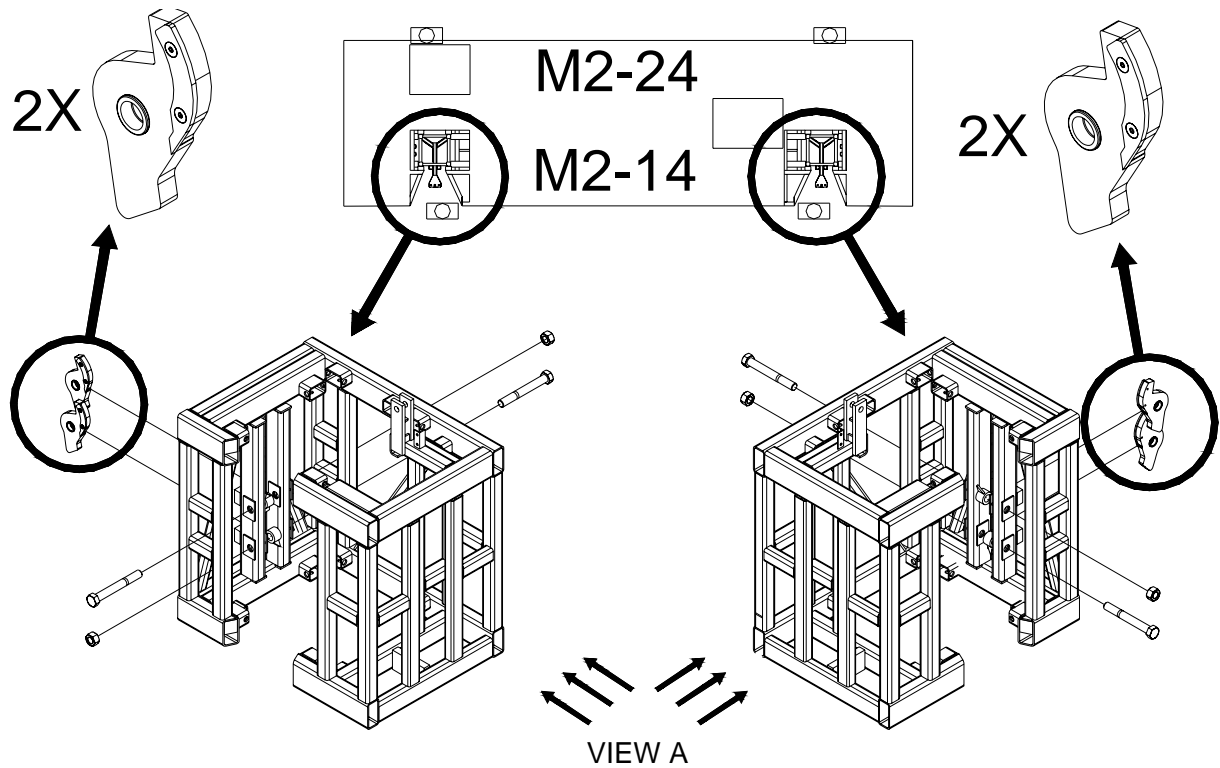


Figure #3 : Installation of safety hooks in the two M2 Series tower cages

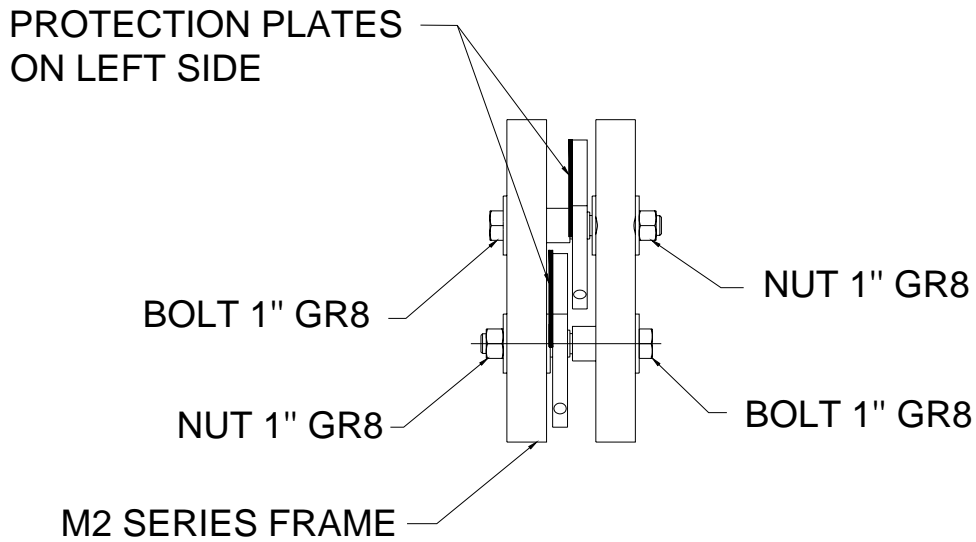


Figure #4: Correct direction for the installation of bolts and protection plates on a M2 Series motorized unit (as shown in view A).

Important notice:

Safety hooks have been designed for a one-time use only. Once a safety hook is triggered, the motorized unit must immediately be lowered to base level. The motorized unit must then be thoroughly inspected by a competent person. The triggered safety hook must be replaced, as well the safety hook bolt and nut. This procedure must be followed even if the safety hook and/or the bolt do not show any sign of damages.



RECALL COMPLETION FORM

www.hydro-mobile.com
1-888-484-9376

OBJECT OF RECALL: M2 SERIES- BACK UP SAFETY HOOKS REPLACEMENT

This confirms that the recall for the back up safety hook on the M2 power unit has been performed on the unit listed below:

M2 unit serial number _____

Date _____

Distributor _____

Unit owner _____

Recall performed by _____

	Yes	No
The safety hook have been replaced (4x)	<input type="checkbox"/>	<input type="checkbox"/>
The old safety hook have been disposed of and/or destroyed	<input type="checkbox"/>	<input type="checkbox"/>
New safety hook have been grease with Prolab GS-1000 grease (do not use a substitute)	<input type="checkbox"/>	<input type="checkbox"/>
Units have been run tested and the back up safety hook work properly	<input type="checkbox"/>	<input type="checkbox"/>

NOTE: This Recall Completion form must be filled out and returned to Hydro Mobile offices.