

## Hose Caddy Tongue Pin

This instruction sheet will assist in the Cadman 6010 Hose Caddy tongue pin upgrade.


ONLY perform this upgrade or any other maintenance when the machine is shut down and is in a non-loaded condition. This means that no fluid is being pumped through the motor and all mechanical and hydraulic tension has been released from the hose rewind system.

## Kit Contents



Figure 1 - Kit Contents

Before starting this upgrade ensure that you have a complete set of required parts.

## TR-MAN-6010-UG03 <br> Upgrade - Hose Caddy Tongue Pin

## Cadman <br> IRRIGATION \& AGRICULTURAL MACHINERY

## Tools Required

1


2



Figure 2 - Tools required
img-00492

1. 1/4"-20UNC Tap
2. No. 7 \& 11/32" Drill Bit
3. 1/8"-27 NPT Tap
4. 7/16" Wrench

## Complete the following instructions to upgrade your machine.

## Step 1

Relieve tension on the current tongue pin buy raising the front of the machine. Support the frame using appropriate supporting devices (i.e. jack stands).

## Step 2

Remove the tongue brace pin and swing the brace and secure out of the way.


Figure 3 - Remove Tongue Brace
img-00493

## Cadman <br> IRRIGATION \& AGRICULTURAL MACHINERY Sigh2 <br> TR-MAN-6010-UG03 Upgrade - Hose Caddy Tongue Pin

## Step 3

Remove the cylinder pin located on the frame and swing the cylinder away. Secure the cylinder to the tongue to prevent injuries.


Figure 4 - Remove Cylinder
img-00494

## Step 4

Swing the tongue to the right (towards motor side). Properly support the tongue using appropriate supporting devices (i.e. jack stands).


Failure to properly support the tongue may result in serious injury to you and/or spectators.

## Step 5

Remove the bolt fastening the tongue pin. Then remove the pin. This may require significant force if the tension has not been relieved.


Figure 5-Remove Tongue Pin

## TR-MAN-6010-UG03 <br> Upgrade - Hose Caddy Tongue Pin

## Step 6

Using your 11/32" drill bit, drill a hole midway down the tongue pivot tube. Then use your 1/8"-27 NPT tapping tool. Ensure that all metal shavings are thoroughly removed. Install the provided 90 degree grease fitting.


Figure 6 - Drill Tongue Pivot
img-00496

## Step 7

Drill two (2) holes as shown below using a No. 7 (or 13/64") drill bit. Then use a 1/4"20UNC tapping tool. Ensure that all metal shavings are thoroughly removed. Use provided template.


Figure 7 - Drill and Tap Holes
img-00497

## Cadman <br> IRRIGATION \& AGRICULTURAL MACHINERY <br> 19520 <br> TR-MAN-6010-UG03 Upgrade - Hose Caddy Tongue Pin

## Step 8

Install the tongue pin using the provided fasteners. Install the roll pin at the base once the pin has been installed. Using a grease gun lubricate the tongue pin.


Figure 8 - Install Pin and Fasteners

## Step 9

Reconnect the cylinder pin to frame. Also reconnect the tongue brace.


Figure 9 - Upgrade Complete
img-00499

Congratulations you have successfully completed the Tongue Pin upgrade.

## TR-MAN-6010-UG03 <br> Upgrade - Hose Caddy Tongue Pin

## Cadman <br> IRRIGATION \& AGRICULTURAL MACHINERY 海 1952

## Useful Information

LENGTH

| $\mathbf{1}$ FOOT | $=12$ | Inches | $\mathbf{1}$ METER | $=39.37$ | Inches |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | $=0.3048$ | Meter |  |  |  |
|  |  |  |  |  |  |
| 1 ROD | $=198$ | Inches | $\mathbf{1}$ MILE | $=5280$ | Feet |
|  | $=16.5$ | Feet |  | $=1760$ | Yards |
|  | $=5.5$ | Yards |  | $=320$ | Rods |
|  | $=5.03$ | Meters |  | $=1609$ | Meters |

AREA

| 1 SQUARE FOOT | $=144$ | Square Inches <br>  <br>  <br>  <br>  <br> Square Meters |
| :--- | :--- | :--- |
| $\mathbf{1}$ SQUARE YARD | $=1296$ |  |
|  | $=0.8361$ |  |
| Square Inches |  |  |
| Square Meters |  |  |

## VOLUME

1 GALLON ( US )

$$
\begin{array}{ll}
=0.8327 & \text { Imperial Gallons } \\
=231 & \text { Cubic Inches } \\
=0.1337 & \text { Cubic Feet } \\
=8.345 & \text { Pounds } \\
=1728 & \text { Cubic Inches } \\
=7.48 & \text { Gallons ( US ) } \\
=62.4 & \text { Pounds } \\
=28.32 & \text { Liters } \\
=27154 & \text { Gallons ( US ) } \\
=254 & \text { Cubic Meters / Hectare }
\end{array}
$$

1 CUBIC FOOT

$$
1 \text { ACRE INCH } \quad=27154 \quad \text { Gallons ( US ) }
$$

AREA OF A CIRCLE $\quad=$ Diameter $\times$ Diameter $\times 0.7854$
CYLINDER VOLUME (US GAL.) = Diameter (ft.) $\times$ Diameter (ft.) $\times$ Length (ft.) $\times 5.8748$

## Page 6 of 6

Cadman Power Equipment - BOX 100, Courtland, Ontario, Canada N0J-1E0 : Phone: 519-688-2222 : Fax: 519-688-2100 : www.cadmanpower.com

