

**USER/ Maintenance Manual CM Transportation Modules (Model No. A3076)****USER / MAINTENANCE MANUAL**

**Project:** CM Transportation Modules. (T P T)  
(Neometrix Model No. A3076 )

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**Chapter: 1****Do's & Do not's for the System****Chapter: 1.1****Do:**

- ✓ Read the User Manual in detail before operating the System.




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- ✓ Put the canister in CM Transportation Modules; it should be position with diagonal cross Gide pin.
- ✓ Lock the Canister with locking systems. Lacking system should be closed as per marking.
- ✓ Detachable with adjustable wheels; it should be attached according to Numbers.
- ✓ Detachable with adjustable wheels; adjust the wheels it should be match with holes of CM Transportation Modules
- ✓ Detachable with adjustable wheels attached with CM Transportation Modules; it should be Locked with two pin
- ✓ Connect the tow bar with CM Transportation Modules unit
- ✓ Check the tow bar Pin before operation; it should be free moments.
- ✓ Detachable with adjustable wheels; adjust the height 4 wheels according to require within 12 inches limit.

**Chapter: 1.2****Do Not:**

 Do not put the CM Transportation Modules in rust surface

 Do not lift anywhere of CM Transportation Modules

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⚠ Do not give moment push or pull of anywhere of CM Transportation Module

⚠ Do not keep the Over Load on CM Transportation module Frame structure static moment without wheels 2000kg.

⚠ Do not keep the Over Load on CM Transportation module; dynamic moment with wheels 1400kg.

**Chapter: 2**

**Warnings:**

⚠ Lifting of CM transportation Modules through the lifting Crane with iron rope



**USER/ Maintenance Manual CM Transportation Modules (Model No. A3076)****Chapter: 3****Description of CM transportation Modules (Model No. A3076):**

The CM transportation modules to reduce the human effort efficiency

And easy to transport missile as a same time carry with 4 missile and

Assembly wheels detachable & adjustable according to required height

and consume the less area & easy carry and wheels have 360 deg

rotational & locking systems for forward and backward wheels, operate

anywhere easily.

**Chapter: 4****Introduction**

The system best on fully mechanicals operational to carry as a same time

4 missile by CM transportation Modules and load capacity-1400kg and

easy 2 people will operate.

**USER/ Maintenance Manual CM Transportation Modules (Model No. A3076)****Chapter: 4.1 - Technical Specification:**

- Solid rubber wheels load capacity : 600kg Each
- Solid rubber wheels size :12 inch
- Wheels Height adjustable : 12 inch Each
- Detachable with adjustable wheels juck weight : 35kg Each
- 8 piece Double Pin detachable Dia : 18.5 mm & L-175 mm
- 8 piece Double Pin detachable Dia : 11.5 mm & L-122.8mm
- Towbar length : 1530mm
- Towbar weight : 15.4 kg
- CM transportation Module frame size :4050mmX2530mmX900mm
- TPT Module Inside Clearance from Canister to frame ; front and Back :100mm
- TPT Module Inside Clearance from Canister to wheels assembly pint ; Right and Left : 60mm
- CM transportation Module frame weight : 500kg
- MS square pipe size Used : 50mm & 60mm
- Strip wide of TPT : 153mm
- On strip 4 Gide pin front and Back dia :32.5mm
- 8 Lifting hook Length size : 110 mm
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**Accessories of TPT****1) Detachable with adjustable wheels:**

12inch Solid rubber wheels move forward with bearing load of TPT frame.

**2) Towbar:**

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A towar is a device attached to the chassis of a TPT for towing.

**3) Doble pin**

A doble pin trolley link is mainly used for a heavy and high mobility trolley vehicle.

**Chapter: 5****Operating Procedure****a) Step 1:**

Make sure all the doble pins of the wheels are connected or not, then connect the doble pins and also lock the doble pins.

**b) Step 2:**

Make sure all the wheels are parallel to each & clock's wise diction

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**c) Step 3:**

Wheel will be in locked position, before Operating should be unlocked.

**d) Step 4:**

Ensure 360 degree movable wheels. Front wheels must be unlocked and rear wheels must be locked

**e) Step 5:**

Towbar connect with CM transportation modules through double Pin and also double pin should be lock.

**f) Step 6:**

Make sure the all canister inside the Guide pin and canister should be alignment position.

**g) Step 7 :**

Finally towbar Connected with tractor or 2 person will pulled

**Chapter: 6**

**Calibration Chart**

| <b>Pressure Calibration Chart</b> |                   |                   |                                    |  |
|-----------------------------------|-------------------|-------------------|------------------------------------|--|
| <b>S.NO</b>                       | <b>V(Voltage)</b> | <b>I(Current)</b> | <b>Pressure after Filter (Bar)</b> | <b>Pressure at the Hose Outlet (Bar)<br/>(At approx. 15 ft.)</b> |
| 1                                 | 28                | 12                | 1.0                                | 0.9  |



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|   |    |      |     |     |
|---|----|------|-----|-----|
| 2 | 28 | 12.5 | 1.5 | 1.3 |
| 3 | 28 | 13.5 | 2.0 | 1.8 |
| 4 | 28 | 14   | 2.5 | 2.3 |
| 5 | 28 | 15   | 3.0 | 2.6 |
| 6 | 28 | 17   | 4.0 | 3.5 |