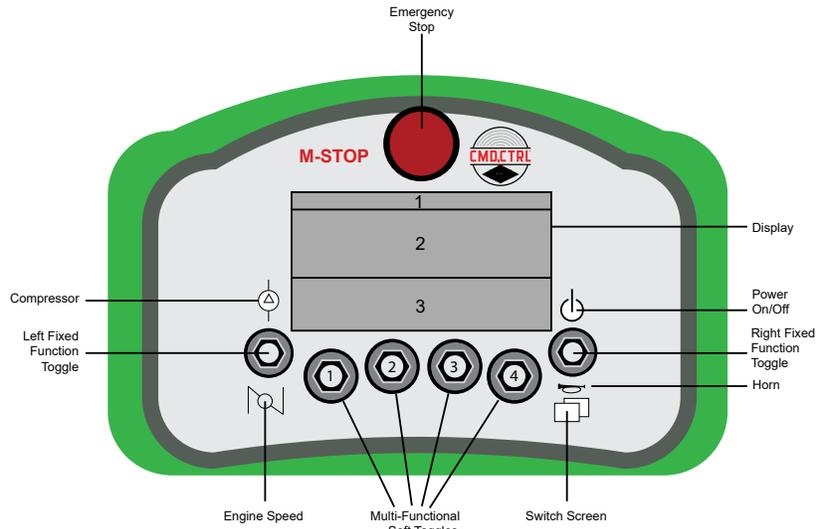


# FACE PLATE IDENTIFICATION

1



DISPLAY		
ITEM NO.	NAME	DESCRIPTION
1.	Top Bar Area	Displays: Battery Status, Operation Mode, Received Signal strengths
2.	Indicator Area	System Feedback
3.	Soft Toggle Area	Displays: Soft Toggle Icons

**NOTE:** The lines separating the different segments on the display are for visual reference only, and will not be visible during the operation of the remote.



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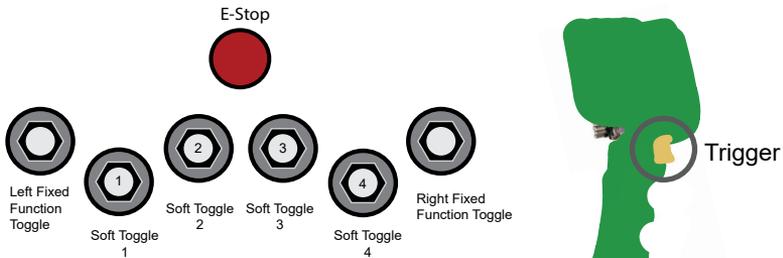
REVISIONS				
REV	ECO	DESCRIPTION	DATE	BY
A		Added CMD.CTRL logo	9-21-21	bks
B	CN1355	Added GM/IH CV PTO Setup	6-09-22	bks

NOTES:  
 MATERIAL: .020" LEXAN  
 HOLE: PUNCH 1/4" DIA HOLE CENTERED AND 1/4" DOWN FROM TOP EDGE  
 SIZE: 4.50" WIDE X 6.50" HIGH  
 COLORS: AS SHOWN  
 VENDOR: CREATIVE SCREEN PRINT (CRE10) OR EQUIVALENT

<b>IOWA MOLD TOOLING CO., INC</b> BOX 189, GARNER, IA 50438 TEL: 641-923-3711 FAX: 641-923-2424 TECH PUBS GENERATED DRAWING	DRAWN BY <b>BKS</b>	DATE <b>01-28-21</b>	TITLE <b>QUICK GUIDE -                  CMD.CTRL                  REMOTE</b>	SCALE <b>FULL</b>	SHT OF 1 16
	APPROVED BY	DATE		SIZE <b>A</b>	DWG NO <b>70490368</b>

# TOGGLE IDENTIFICATION

TOGGLE NAME	DESCRIPTION
Right Fixed Function Up	A hard function toggle, meaning its operation never changes. <ul style="list-style-type: none"> <li>Turning the remote <b>ON/OFF</b> - toggle upward and <b>HOLD</b> for 1/2 second.</li> </ul>
Right Fixed Function Down	A hard function toggle, meaning its operation never changes. <ul style="list-style-type: none"> <li>Horn - toggle <b>DOWN</b> and <b>HOLD</b> until you hear the horn</li> <li>Switching Operation Screens - short clicks downward will display next screen in sequence:               <ul style="list-style-type: none"> <li>Crane</li> <li>Lights</li> <li>Stabilizers</li> <li>Operations</li> </ul> </li> </ul>
Soft Toggles 1 – 4	Functions will change based on the screens that are being displayed.
Left Fixed Function Up	A hard function toggle, meaning its operation never changes. <ul style="list-style-type: none"> <li>Short click <b>UP</b> to enable / disable compressor.</li> </ul>
Left Fixed Function Down	A hard function toggle, meaning its operation never changes. <ul style="list-style-type: none"> <li>Short click <b>DOWN</b> to change speed</li> </ul>
Emergency Stop	Pressing <b>DOWN</b> will shut down the chassis engine in an emergency, pull to release.
Trigger	Controls crane movement speed.

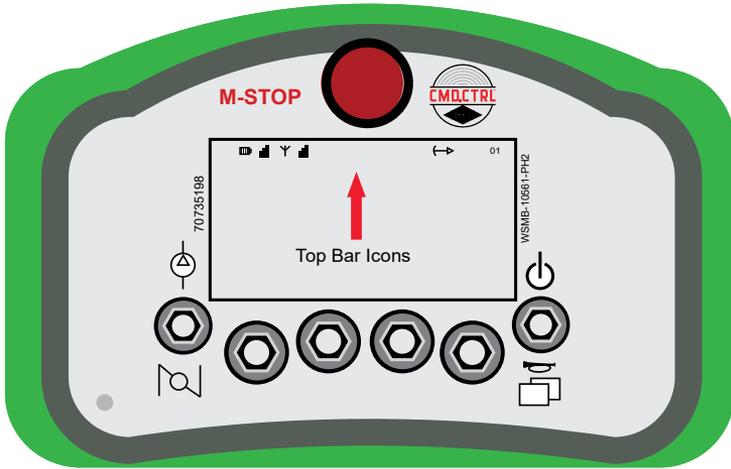


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# TOP BAR ICONS

3



ICON	DESCRIPTION
	A visual indication of the battery's state of charge.
	Received signal strength at the Remote.
	Wireless connection.
	The tether cable is connected. Radio transmitters are off.
	Received signal strength at the Base.
	Crane is in Snubbing Mode.
	Crane is in Overload Mode.
01	Indicates the current screen number
AUX1	Indicates Auxiliary output No. 1 status is ON (not shown).
AUX2	Indicates Auxiliary output No. 2 status is ON (not shown).
	Indicates Compressor is enabled (not shown).
	Indicates Engine Speed1 is enabled (not shown).
	Indicates Engine Speed2 is enabled (not shown).



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## FIXED FUNCTION ICONS

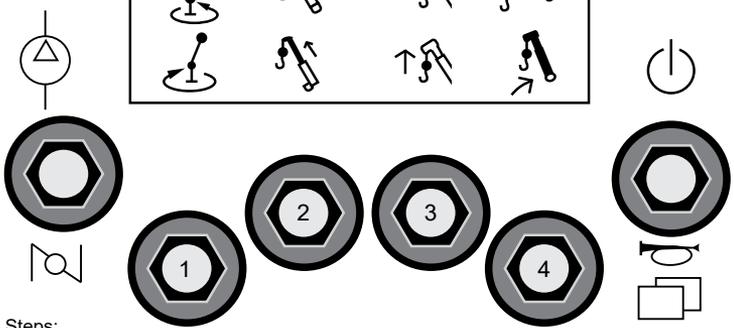
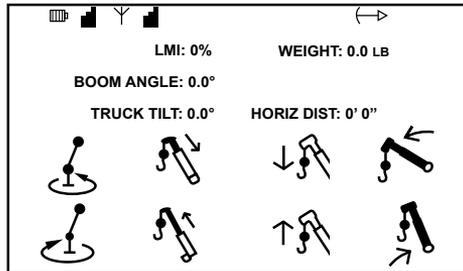
ICON	DESCRIPTION
	Power <b>ON / OFF</b>
	Switch Screens
	Horn
	Engine Speed
	Compressor <b>ON / OFF</b>



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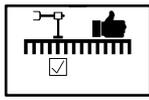
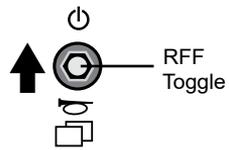
This chart is to be used as a “quick reference” guide only.  
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# CRANE OPERATIONS



### Crane Steps:

1. Engage E-Brake and start the engine.
2. Engage PTO.
3. Power **ON** Remote - RFF Toggle **UP** and **HOLD** for one half of a second.



Acknowledge Pop-Up Screen with Soft Toggle **2 UP**.

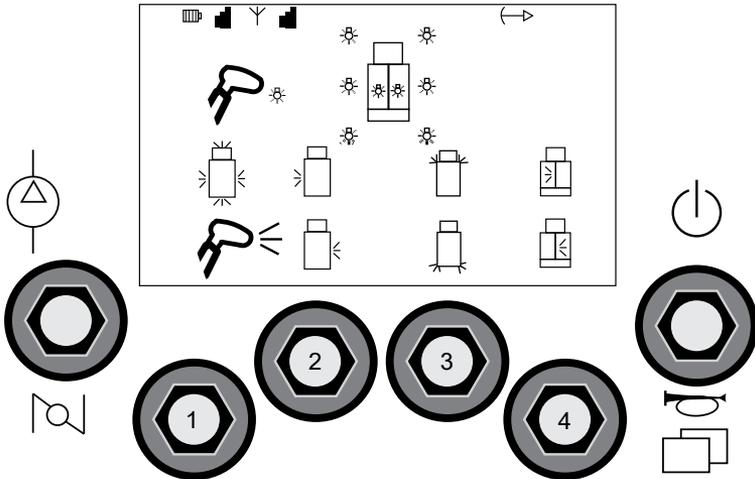
4. Deploy Stabilizers (See Stabilizer Operation's Quick Guide).
5. Click the RFF Toggle **DOWN** until Crane Screen appears.



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# LIGHT OPERATIONS

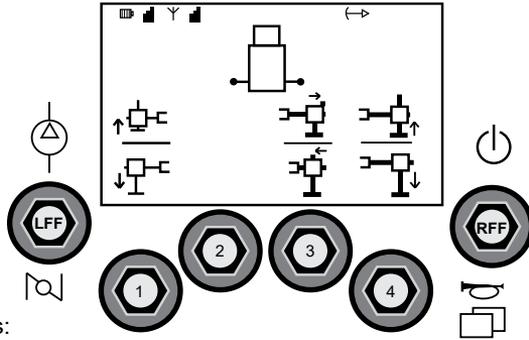


SOFT TOGGLE	TOGGLE DESCRIPTION
1 Up	All Body Lights
1 Down	Boom Tip Lights
2 Up	Left Side Flood Lights
2 Down	Right Side Flood Lights
3 Up	Front Flood Lights
3 Down	Rear Flood Lights
4 Up	Left Compartment Lights
4 Down	Right Compartment Lights



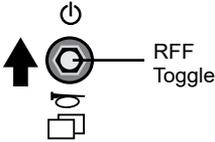
This chart is to be used as a “quick reference” guide only.  
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# STABILIZER OPERATIONS

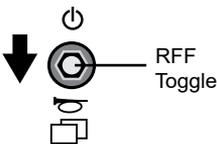


### Stabilizer Steps:

1. Engage E-Brake and start the engine.
2. Engage PTO.
3. Power **ON** Remote - RFF Toggle **UP** and **HOLD** for one half of a second.



4. Click the RFF toggle **DOWN** until stabilizer screen appears.



When Auto PTO is configured, the Pop Up can be acknowledged with Soft Toggle 2 **UP**.

5. Select the desired stabilizer function using the Soft Toggles to operate the individual stabilizers.



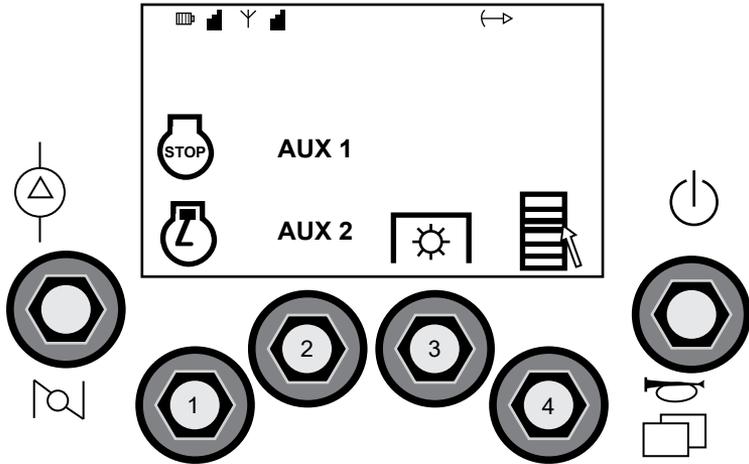
This is an example. Actual stabilizer screen and functions will depend on stabilizer configuration.



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# OPERATIONS

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ITEM	DESCRIPTION
Soft Toggle 1	Toggle <b>UP</b> : Engine <b>START</b> .
	Toggle <b>DOWN</b> : Engine <b>STOP</b> .
Soft Toggle 2	Toggle <b>UP</b> : Auxiliary 1 <b>ON/OFF</b> .
	Toggle <b>DOWN</b> : Auxiliary 2 <b>ON/OFF</b> .
Soft Toggle 3	Toggle <b>DOWN</b> : PTO - Engage / Disengage
Soft Toggle 4	Toggle <b>UP</b>
	Toggle <b>DOWN</b> : Accesses the Menu.

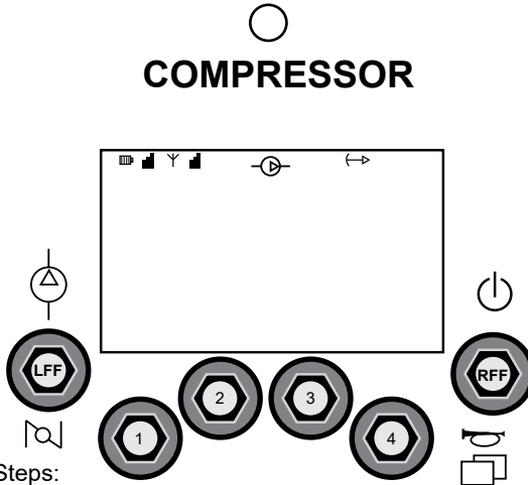


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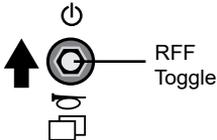
# COMPRESSOR

9

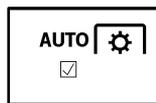
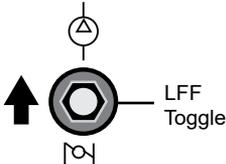


## Compressor Steps:

1. Engage E-Brake and start the engine.
2. Engage PTO.
3. Power **ON** Remote - RFF Toggle **UP** and **HOLD** for one half of a second.



4. Click the LFF toggle **UP** to turn the Compressor **ON** and **OFF**.



When Auto PTO is configured, the Pop Up Screen can be acknowledge with Soft Toggle 2 **UP**.



This is an example. Actual compressor functionality will depend on the system configuration. Compressor will only run when the air tank pressure level is below set point.

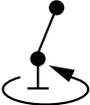


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# CRANE ICONS

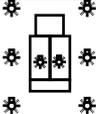
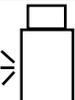
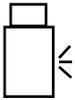
ICON	DESCRIPTION
	Boom Rotate CCW
	Boom Rotate CW
	Boom Retract
	Boom Extend
	Winch Out
	Winch In
	Boom Down
	Boom Up



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○  
**LIGHT ICONS**

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ICON	DESCRIPTION
	Body Light Indicator
	Boom Tip Light Indicator
	Boom Tip Lights
	Front Flood Lights
	Rear Flood Lights
	Left Flood Lights
	Right Flood Lights

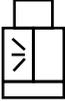
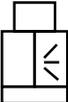


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# LIGHTS - CONTINUED

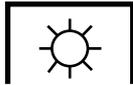
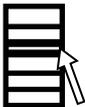
ICON	DESCRIPTION
	Left Compartment Lights
	Right Compartment Lights



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## OPERATION ICONS

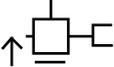
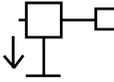
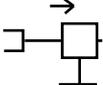
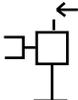
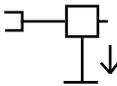
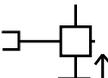
ICON	DESCRIPTION
	Engine Stop
	Engine Start
<b>AUX 1</b>	Auxiliary Power #1
<b>AUX 2</b>	Auxiliary Power #2
	PTO Control
	Advanced Menu



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## STABILIZER ICONS

ICON	DESCRIPTION
	Stabilizer Location Indicator
	Left Stabilizer Up
	Left Stabilizer Down
	Right Stabilizer Out
	Right Stabilizer In
	Right Stabilizer Down
	Right Stabilizer Up

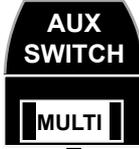


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# CAB CONTROLS



MODE	IGNITION	E-BRAKE	REVERSE GEAR	MULTI-FUNC SWITCH	FUNCTION
Exit Cab	ON	Engaged	N/A	Activated	Compartment and selected Floods <b>ON</b>
Reverse Flood Lights	ON	Not Engaged	Engaged	Activated	Rear Floods <b>ON</b>
Search Lights	ON	Not Engaged	N/A	Activated	Selected Floods <b>ON</b>



The multi-function Aux Switch capabilities will be based on the configuration.

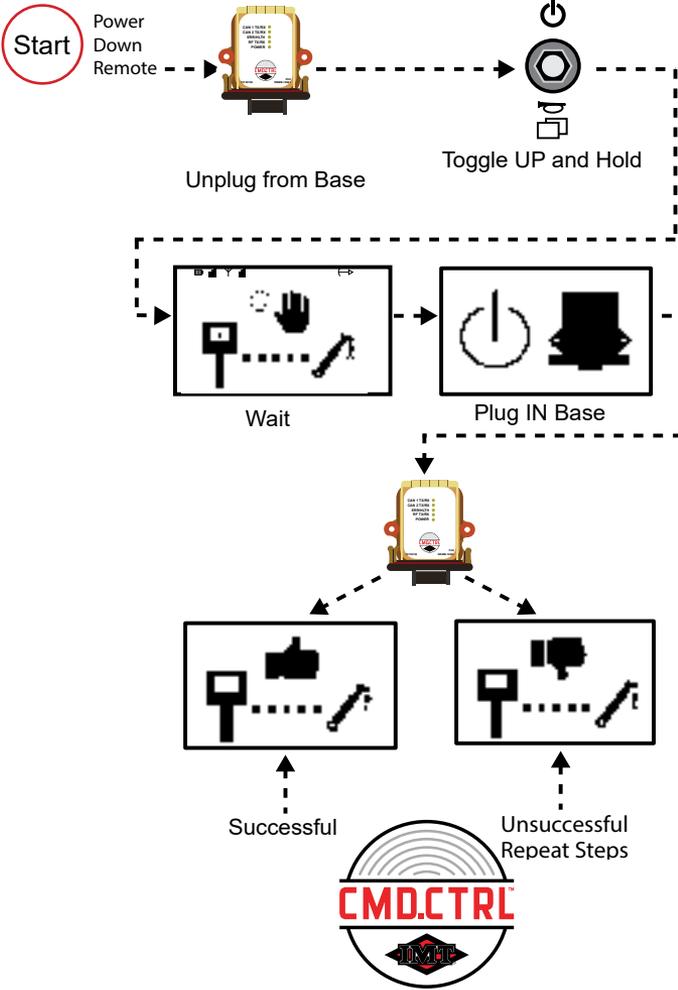


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# ASSOCIATION

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## GM / IH CV Chassis PTO Setup

Upon arrival at the worksite and while the engine is running:

1. Engage the E-Brake.
2. Enable the cruise control from the steering wheel controls, then disable the cruise control while observing the indicator light on the dash. (Enable: light is on, Disable: light is off)
3. Engage the PTO by either using:
  - In-dash switch inside the cab.
  - CMD.CTRL™ body controls (Crane remote, or Auto PTO)

### NOTE:

If the CMD.CTRL body controls were used for engine **STOP**, you must wait a minimum of 30 seconds before remote **START** can be activated. Attempting a remote **START** in less than 30 seconds from remote engine **STOP**, can result in chassis, or PTO not responding. If the PTO has been disengaged, the GM and IH CV chassis requires a minimum 30 seconds to reconfigure before PTO engage can be activated by either using:

- In-dash switch inside the cab
- CMD.CTRL™ body controls (Crane remote, or Auto PTO)

### NOTE:

The horn will honk three (3) times indicating when the PTO is starting. If after 15 seconds the PTO has **NOT** started, repeat the PTO engage request. It is not uncommon for the PTO engage to **NOT** respond after multiple attempts with a GM and IH CV chassis. If the PTO will **NOT** engage after multiple attempts, the chassis will need to be reset by:

- Turning engine off and removing the ignition key.
- Waiting until the chassis has completely powered down. (This can take up to one minute)



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