

Trainmaster TMCC Cab-1 Pocket Quick Reference

By Ted Piunno

Having trouble remembering those Lionel Trainmaster Cab-1 command sequences? This pocket quick reference card lists common commands for engine and train operations such as lash-ups and stall settings. And it saves you from having to locate or carry around your TMCC Owner's Manual. It comes in pretty handy for me when I'm running trains on the RMD modules. There are two sizes – one you can fold in half and keep in your wallet. The other you can fit in your shirt pocket. Photocopy the reference cards, cut them out and, if possible, laminate them so they'll last longer. Happy running!

LIONEL TRAINMASTER COMMAND (TMCC)	
Track Power On (using Powermaster)	TR, 1, BOOST (Command or Conventional Mode)
Track Power Off (using Powermaster)	TR, 1, AUX1, 0 (Cmd or Conv Mode)
Address Engine (e.g., Eng. #23)	ENG, 2, 3
Address Train (e.g., Train #9)	TR, 9
Engine/Train Functions	Address Engine or Train
Headlight on/off	AUX2
Operate front coil coupler	COUPLER F
Operate rear coil coupler	COUPLER R
Program Engine's number (e.g., Eng. #15)	- Set engine switch to PROGRAM - ENG, 1,5, SET (Horn will sound) - Set engine switch to RUN
Lash-Ups Example: Train no. = 9 Front engine no. = 90 Rear engine no. = 42 (rear-facing) Middle engine no. = 30 Reset lash-up direction	 <ul style="list-style-type: none"> - First, couple all engines - TR, 9, 9, 0, F, SET (horn) - TR, 9, 4, 2, R, DIR, SET (horn) - TR, 9, 30, SET (horn sounds) - TR, 9, AUX1, 0 - Now, use Throttle, DIR, BELL, etc.
If a Lash-up engine is out of sync: - Reset Train's lash up-direction or - Re-assign Engine to Train	TR, Train #, AUX1, 0 or Re-assign Engine with/without DIR
Remove Engine from a Lash-Up Example: Engine no. 42	- TR, 0, 42, SET (horn) (Assigns eng. #42 to Train 0)
Set Momentum Low (fast throttle - Engine or Train)	(Cmd or Conv.mode) L (hold for 2 seconds)
Medium (Engine or Train)	M (hold for 2 seconds)
High (slow throttle - Engine or Train)	H (hold for 2 seconds)
Set stall voltage (Engine or Train - Command only)	- Address Engine or Train - Throttle up to slow speed - SET (Engine/Train stops) - Throttle up to slow speed - Reduce throttle to just stop engine - SET (horn)
Clear stall setting (Engine or Train)	- Address Engine or Train - Press SET twice for one sec each.
Set Maximum Voltage	- Address Engine or Train - SET (Engine/Train stops) - Throttle up to max desired speed - BOOST
Clear Maximum Voltage	- Address Engine or Train - SET (for one second) - BOOST (for one second)
Reset Engine/Train	- Address Engine - AUX1, 0
Use Engine/Train Features	- Address Engine - AUX1, Feature # (1-9)

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LIONEL TRAINMASTER COMMAND (TMCC)	
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Track Power Off (w/Powermaster)	- TR, 1, AUX1, 0
Address Engine (e.g., Eng. #23)	- ENG, 2, 3
Address Train (e.g., Train. #9)	- TR, 9
Engine/Train Functions	Address Engine or Train
Headlight on/off	AUX2
Operate front coupler	COUPLER F
Operate rear coupler	COUPLER R
Program Engine's number (e.g., Eng. #15)	- Engine switch to PROGRAM - ENG, 1,5, SET (Horn) - Engine switch to RUN
Lash-Ups Example: Train no. = 9 Front engine no. = 90 Rear engine no. = 42 Middle engine no. = 30 Reset lash-up direction	 <ul style="list-style-type: none"> - First, couple all engines - TR, 9, 9, 0, F, SET (horn) - TR, 9, 4, 2, R, DIR, SET (horn) - TR, 9, 30, SET (horn) - TR, 9, AUX1, 0
Lash-up engine out of sync? - Reset lash up-direction or - Re-assign Eng. to Train	- TR, Train #, AUX1, 0 - With or without DIR
Remove Engine from a Lash-Up Example: Engine no. 42	- TR, 0, 42, SET (horn) (Assigns Eng. #42 to Train 0)
Set Momentum - Momentum-Low (fast throttle)	(Cmd or Conv.mode) L (hold for 2 seconds)
- Momentum-Medium	M (hold for 2 seconds)
- Momentum-High (slow throttle)	H (hold for 2 seconds)
Set stall voltage (Engine or Train - Command only) To reset stall voltage, press Set button twice - one second each time.	- Address Engine or Train - Throttle up to slow speed - SET (Engine/Train stops) - Throttle up to slow speed - Reduce throttle to just stop engine - SET (horn)
Clear stall setting (Engine or Train)	- Address Engine or Train - Press SET twice, one second each time.
Set Maximum Voltage	- Address Engine or Train - SET (Engine/Train stops) - Throttle up to max desired speed - BOOST
Clear Maximum Voltage	- Address Engine or Train - SET (for one second) - BOOST (for one second)
Reset Engine/Train	- Address Engine/Train - AUX1, 0
Use Engine/Train Features	- Address Engine - AUX1, Feature # (1-9)