



HCM450 SERIES

CUSTOMER MAINTENANCE MANUAL

SPECIFICATION SHEET
EQUIPMENT INFORMATION
TOOLS
INSTRUCTION MANUALS
INSTRUCTION ASSEMBLY SHEETS
ADDITIONAL RESOURCES
TROUBLESHOOTING INSTRUCTIONS
WIRING DIAGRAMS / SCHEMATICS
PART CATALOGS
HOBART SERVICE PARTS STORE

This manual is only intended for use by properly trained and qualified customer in-house maintenance for the limited procedures herein.

This manual is not intended to be all encompassing. You should read the maintenance or repair procedure you wish to perform, in its entirety, to determine if you have the necessary tools, instruments and skills required to perform the procedure. Procedures for which you do not have the necessary tools, instruments and skills should be performed by a trained Hobart Service technician.

The reproduction, transfer, sale or other use of this manual, without the express written consent of Hobart Service, is prohibited.

F48063

EQUIPMENT INFORMATION

Hobart Model HCM450 is a 45 quart cutter mixer with stainless steel bowl and knead/mix attachment.

HCM450 features a 5 minute timer with "Run" and "Jog" settings. The "Run" and "Jog" settings allows the operator the flexibility needed for non-timed recipes.

The HCM450 features a 5 H.P. dual voltage motor, featuring thermal overload protection, single speed, 1140 RPM totally enclosed, externally fan cooled, ball bearings, greased packed and sealed. Motor shaft is stainless steel.

Electric controls are housed in a powder coated metal enclosure to insure long life. The start/stop push buttons switches are completely sealed and washable.

The clear counterbalanced Lexan® polycarbonate bowl cover effectively seals in liquid product without a rubber gasket. The stainless steel bowl features a built in pouring lip to guide liquids into a container.

HCM450 features a stainless steel support bar for long life and durability. The bowl tilt lever allows the bowl to be tilted to a 90 degree angle for easy pouring, removal of product, and easy clean-up.

TOOLS

Standard

- Standard set of hand tools.
- VOM with minimum of NFPA-70E CAT III 600V, UL/CSA/TUV listed. Sensitivity of at least 20,000 ohms per volt. Meter leads must also be rated at CAT III 600V.
- Clamp on type amp meter with minimum of NFPA-70E CAT III 600V, UL/CSA/TUV listed.
- Temperature tester (thermocouple type).
- ESD (Electrostatic discharge) Protection Kit.

Special Tools

- Gauge, Go / No-Go (00-937932)

NOTE: Specification for feeler gauge is .050 +.005 / -.000 and .125 ±.003.

- Loctite® No. 271™.
- Loctite® ODC-Free Cleaner & Degreaser.

NOTE: Degreaser is only required in applications where excessive grease or other contaminants are present.

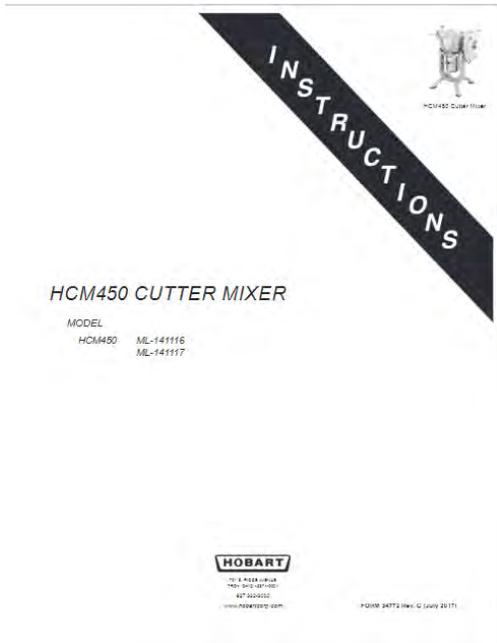
- Loctite® 7649™ Primer N™ or Loctite® 7471™.

NOTE: Allow primer time to dry.
For 7649 allow 30 seconds. For 7471 allow 60 seconds.

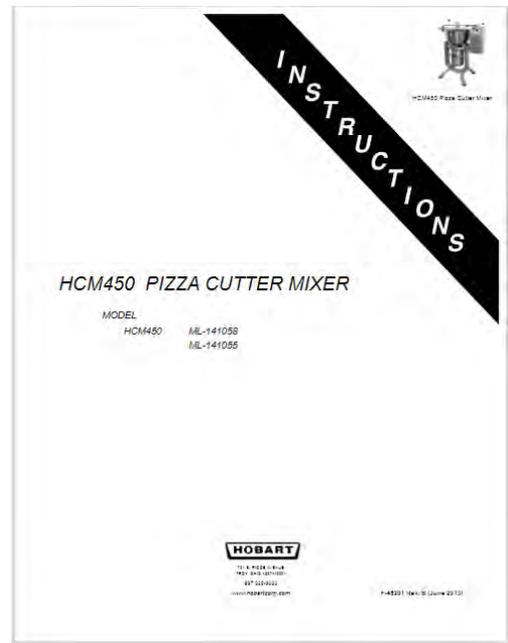
- PERMATEX (MSI Number 515194).

Click on Instruction Manual for Desired Language.

Cliquez sur le manuel d'instructions pour la langue souhaitée.

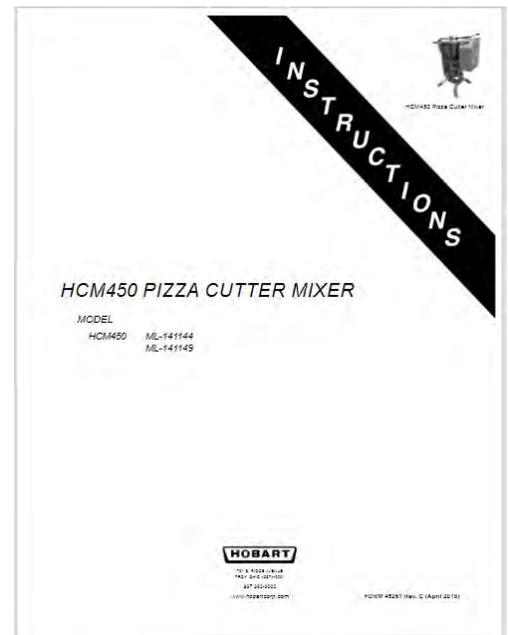


ENGLISH / ANGLAIS



FRENCH CANADIAN

FRANÇAIS CANADIEN



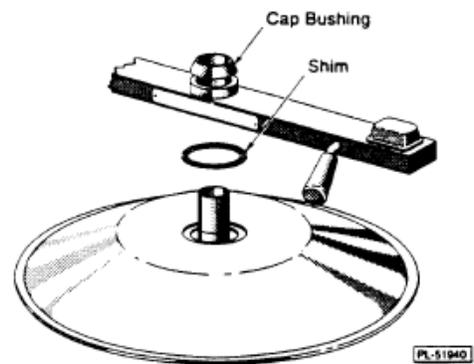
Click on Install/Operation Manual below to link to the most recent edition.



ENGLISH
FRENCH
GERMAN
SPANISH



HCM450 CUTTER/MIXER BOWL
SEAL INSTRUCTION SHEET



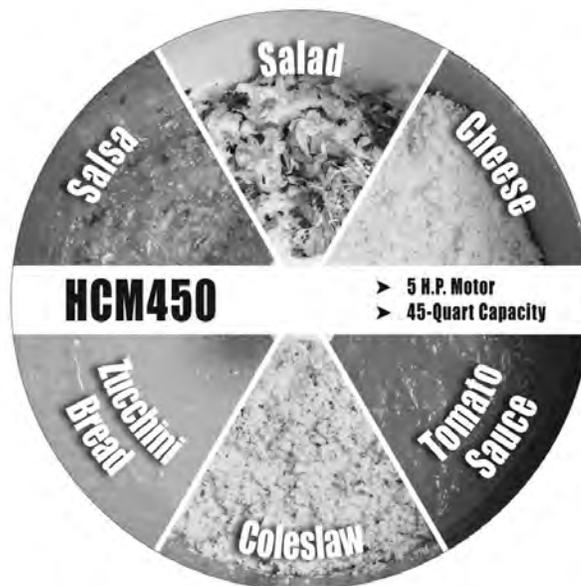
HCM450 LID REPLACEMENT

ADDITIONAL RESOURCES

CLICK ON RECIPE GUIDE BELOW



HCM450
CUTTER
MI
XER



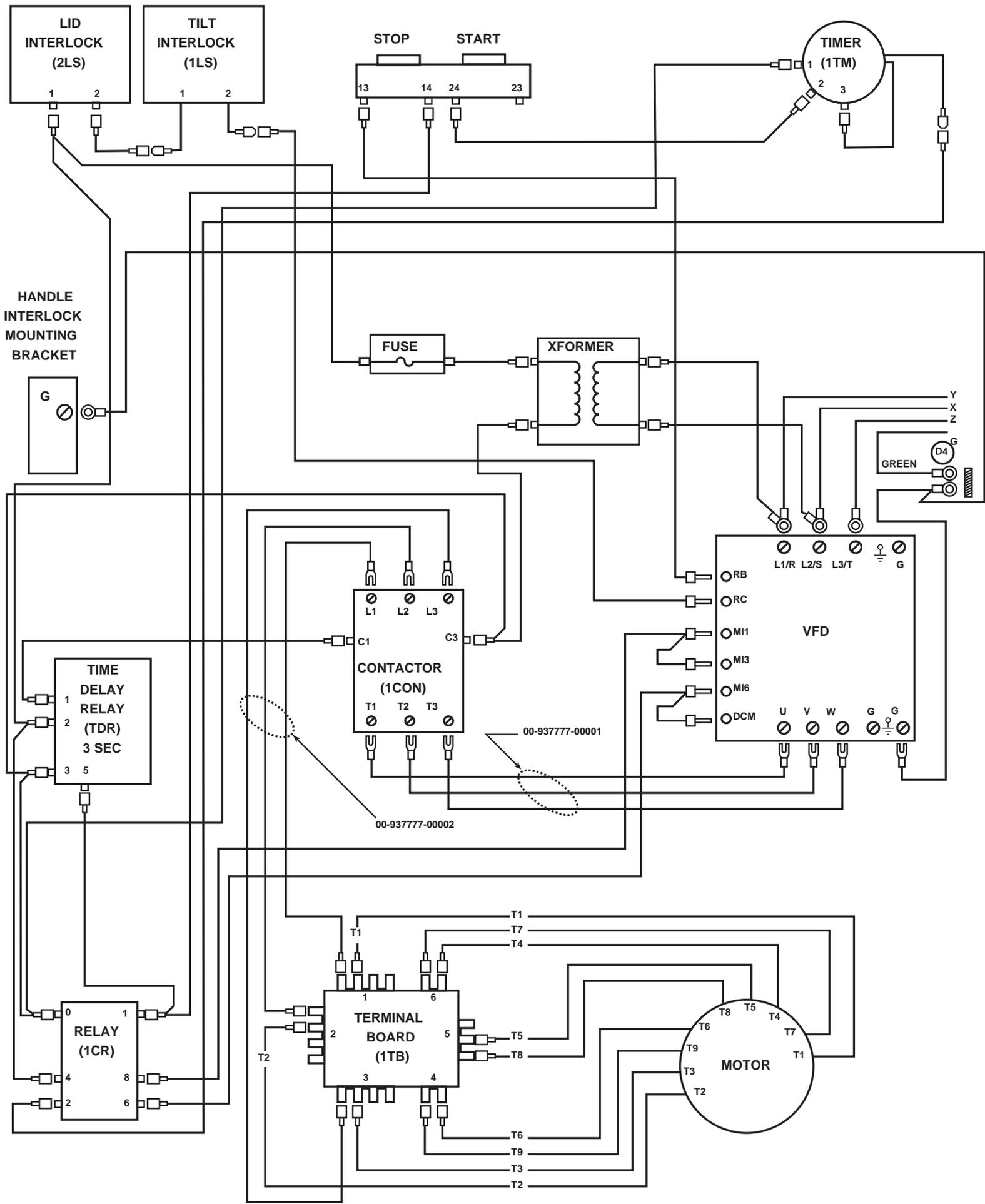
Operating Instructions
and Recipe Guidelines



Proud supporter of you.™

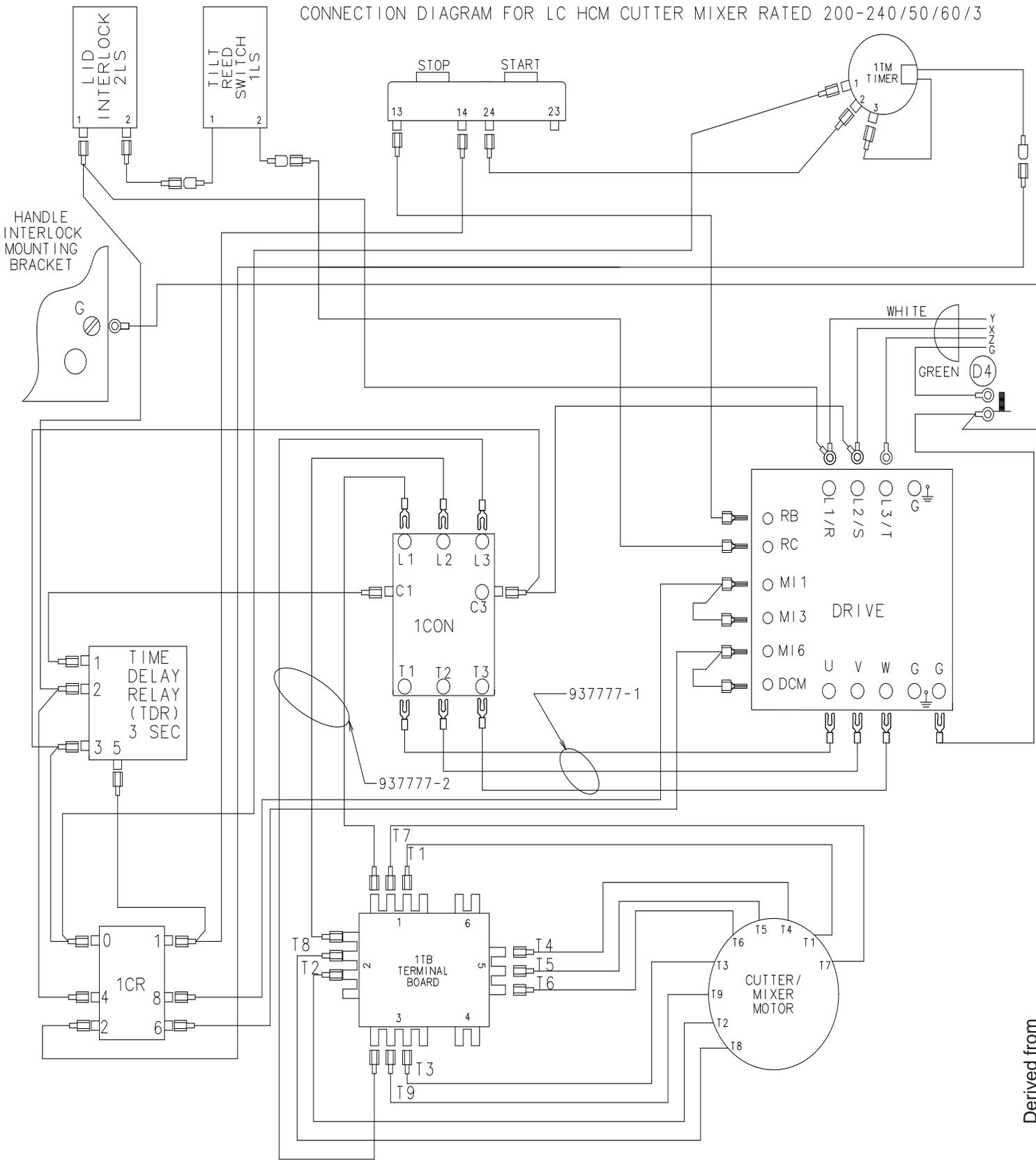
TROUBLESHOOTING

SYMPTOMS	POSSIBLE CAUSES
Will not run, motor hums.	1. Motor malfunction.
Will not run, motor does not hum.	1. Relay malfunction. 2. Time delay relay malfunction. 3. Contactor malfunction. 4. Stop switch open (normally closed). 5. Lid interlock open. 6. Tilt interlock open. 7. Timer inoperative. 8. Motor malfunction. 9. Drive malfunction.
Motor will not shut off at end of timed cycle.	1. Timer.
Attachment runs backwards.	1. Motor lead wires are swapped.

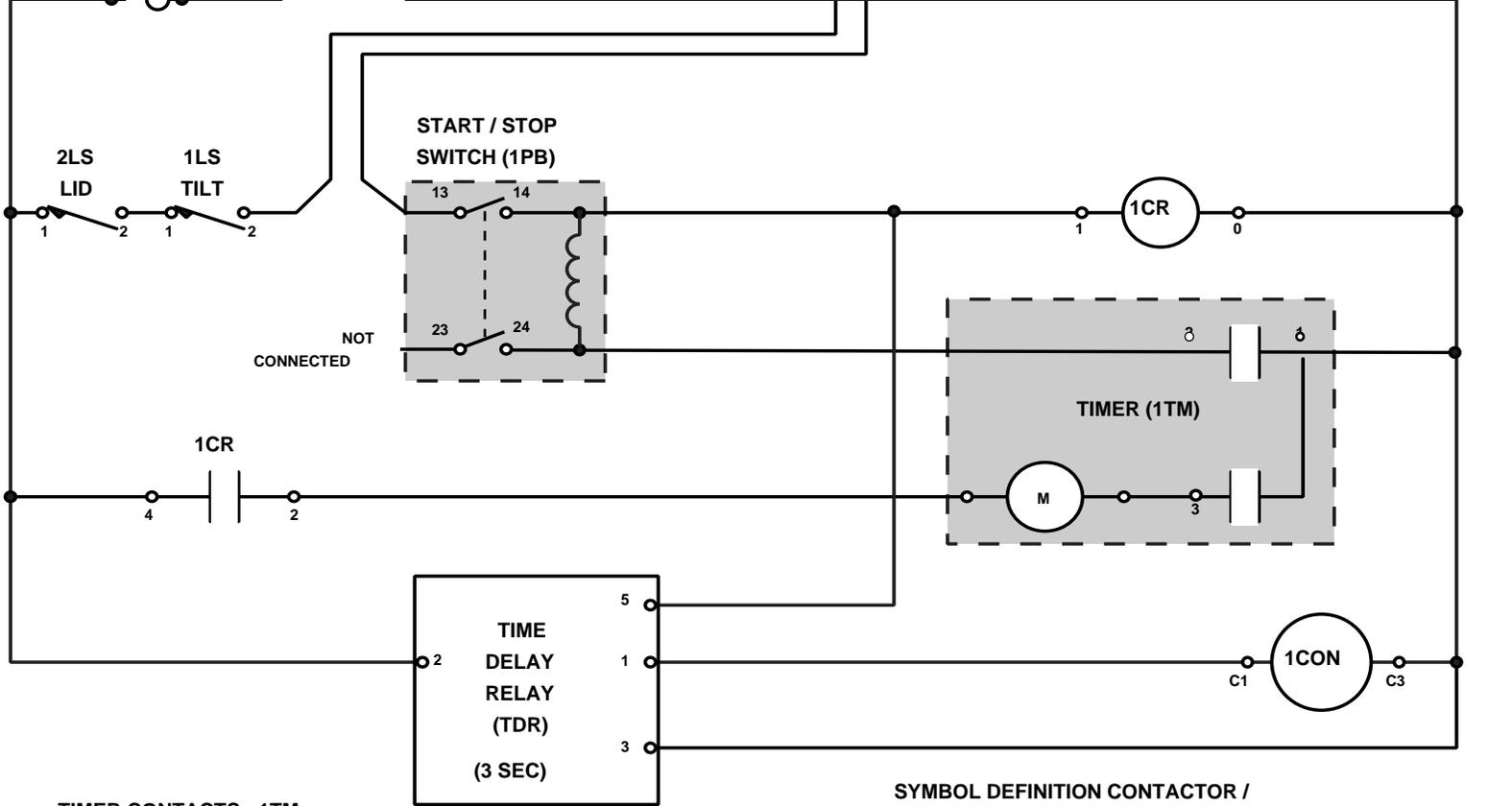
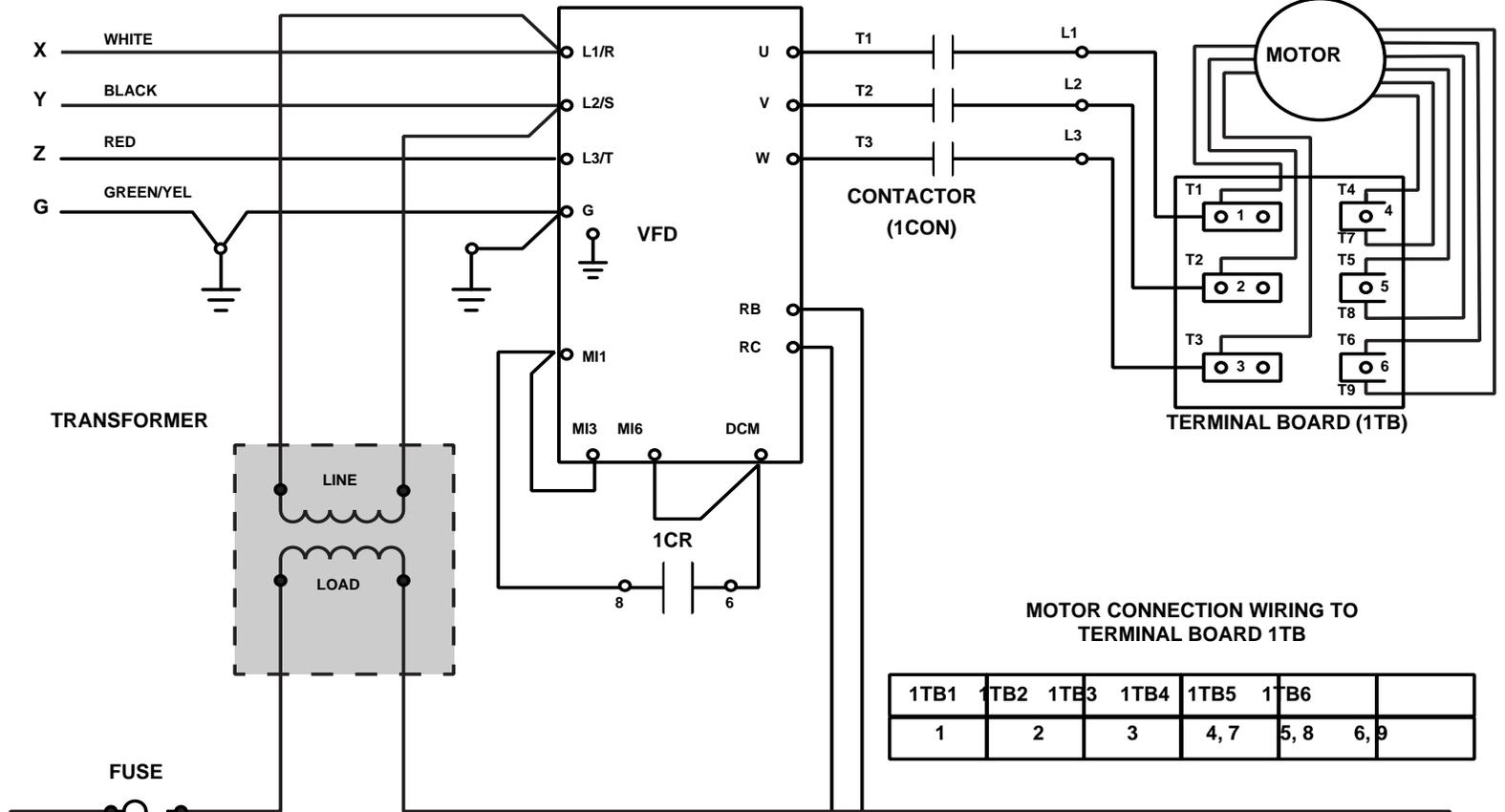


CONNECTION DIAGRAM FOR LC HCM CUTTER MIXER RATED 200-240/50/60/3

AI4726



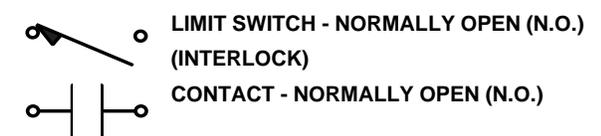
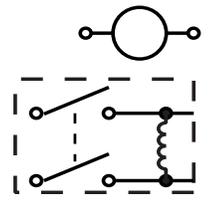
Derived from
00-937749 Rev B

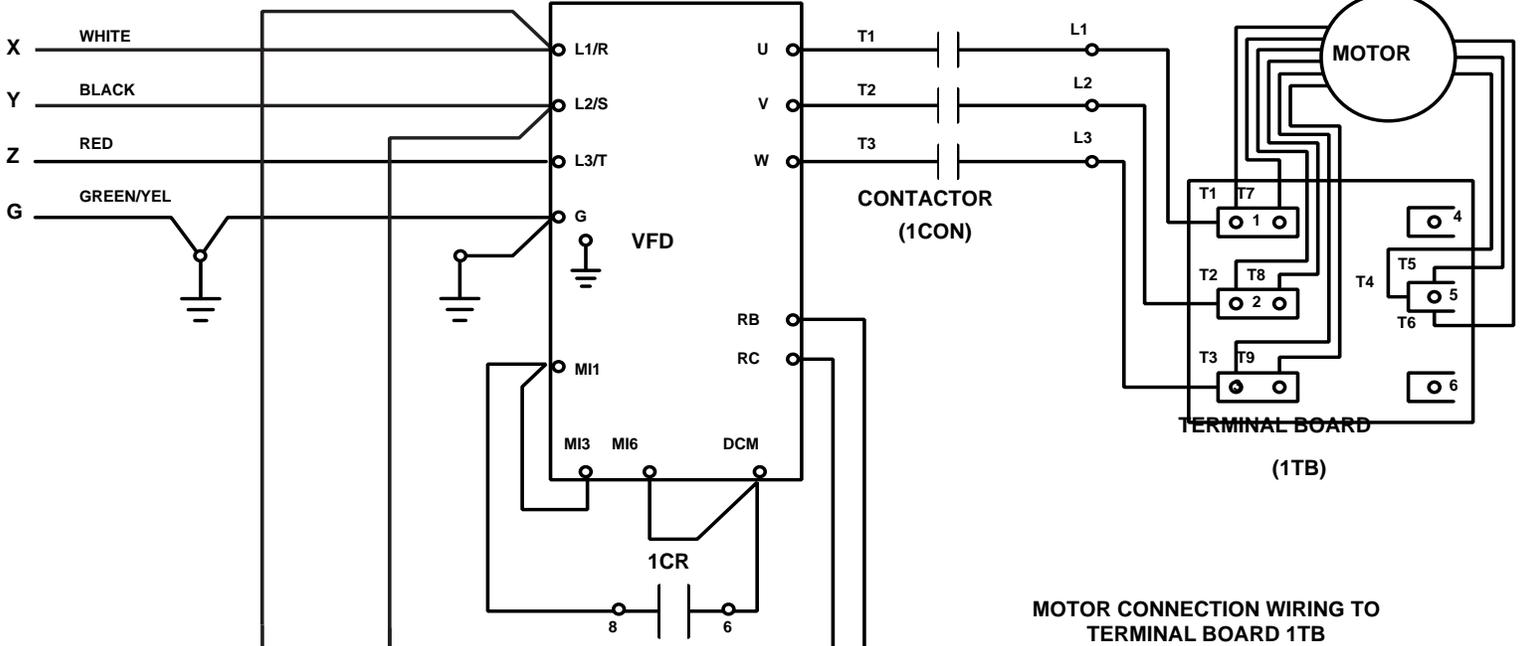


TIMER CONTACTS - 1TM

	OPEN	CLOSED 1-2 &
JOG	1-3	----
RUN	1-3	1-2
TIMED	----	1-2 & 1-3

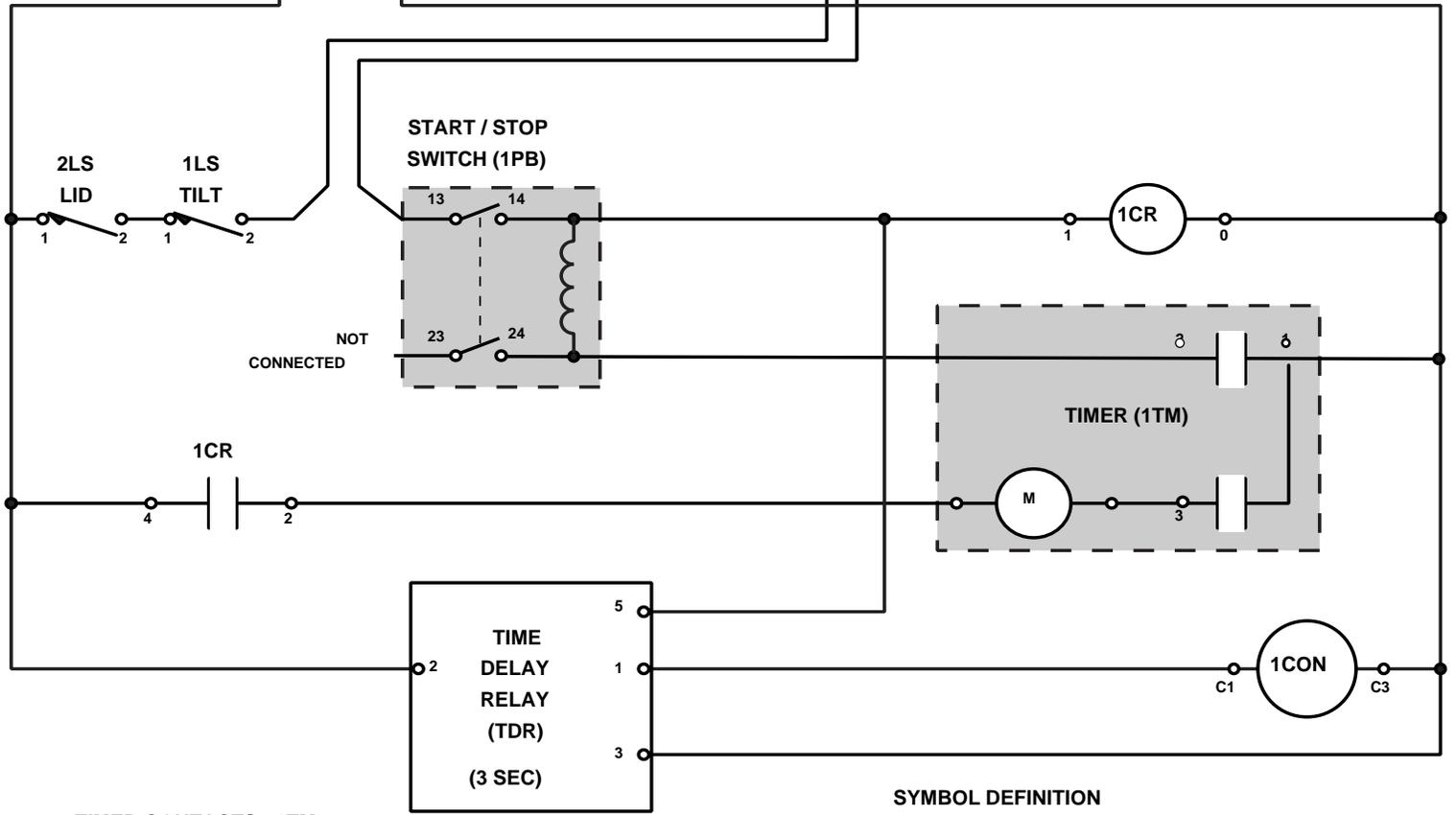
SYMBOL DEFINITION CONTACTOR / RELAY COIL





MOTOR CONNECTION WIRING TO TERMINAL BOARD 1TB

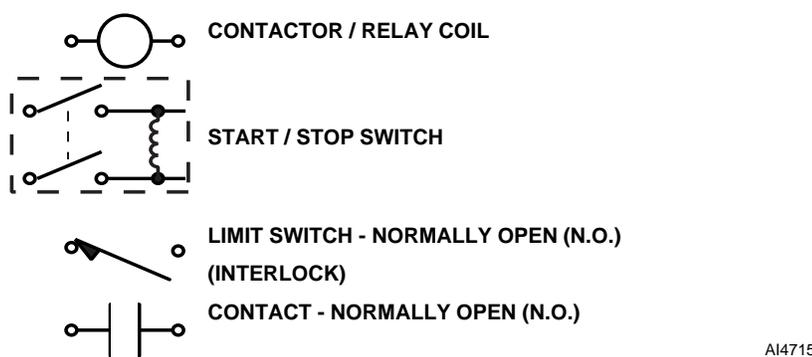
1TB-1	1TB-2	1TB-3	1TB-4	1TB-5	1TB-6	
1, 7	2, 8	3, 9	4, 5, 6			---



TIMER CONTACTS - 1TM

	OPEN	CLOSED 1-2 &
JOG	1-3	---
RUN	1-3	1-2
TIMED	---	1-2 & 1-3

SYMBOL DEFINITION



Catalogs of Replacement Parts

Click on image below to link to the most recent parts catalog.

HOBART

CATALOG OF REPLACEMENT PARTS



HCM450 CUTTER/MIXER (MLs 134207, 134208, 134209)

ML-134207	HCM450
ML-134208	HCM450 (Canada)
ML-134209	HCM450C
ML-141116	HCM450
ML-141117	HCM450
ML-141118	HCM450

PRIOR MLs COVERED IN THIS MANUAL

ML-134170	HCM450
ML-134172	HCM450C
ML-136137	HCM450
ML-136138	HCM450 (Canada)

(INCLUDES MOTOR PARTS)

A product of HOBART TCI S. 11000, AVONDALE, OHIO, OHIO 45774-0001
FCR# 44072 Rev. 7 (Rev. 2021)

HCM450 CUTTER/MIXER (MLs 134207, 134208, 134209)

ML-134207	HCM450
ML-134208	HCM450 (Canada)
ML-134209	HCM450C
ML-141116	HCM450
ML-141117	HCM450
ML-141118	HCM450

PRIOR MLs COVERED IN THIS MANUAL

ML-134170	HCM450
ML-134172	HCM450C
ML-136137	HCM450
ML-136138	HCM450 (Canada)

(INCLUDES MOTOR PARTS)

HOBART

CATALOG OF REPLACEMENT PARTS



A.) HCM450 CUTTER/MIXER

ML-141055	
ML-141058	
ML-141144	

PRIOR ML COVERED IN THIS MANUAL

ML-136226	
-----------	--

A product of HOBART TCI S. 11000, AVONDALE, OHIO, OHIO 45774-0001
FCR# 12221 Rev. 6 (September 2016)

A.) HCM450 CUTTER/MIXER

ML-141055
ML-141058
ML-141144

PRIOR ML COVERED IN THIS MANUAL

ML-136226

HOBART

CATALOG OF REPLACEMENT PARTS



HCM300 & HCM450 CUTTER/MIXERS

HCM 300	ML 32312
HCM 450	ML 32313
HCM 450C	ML 134071

A product of HOBART TCI S. 11000, AVONDALE, OHIO, OHIO 45774-0001
FCR# 44082 Rev. A (May 2021)

HCM300 & HCM450 CUTTER/MIXERS

HCM 300	ML 32312
HCM 450	ML 32313
HCM 450C	ML 134071

Hobart Online Parts Store

Order parts online by clicking on the image below for our Hobart Service Parts Store.

Welcome ! CONTACT US LOGIN 

HOBART | GENUINE PARTS   0 Product(s) 

[HOME](#) [SHOP BY BRAND](#) [SHOP BY EQUIPMENT](#) [TRACK MY ORDER](#) [PART MANUALS](#) [SERVICE MANUALS](#) [ABOUT US](#)



**INDUSTRY'S LARGEST
OEM PARTS INVENTORY**
40,000+ PARTS IN STOCK

● ● ●

By continuing to browse or by clicking "Accept All Cookies," you agree to the storing of first- and third-party cookies on your device to enhance site navigation, analyze site usage, and assist in our marketing efforts. [Cookie Policy](#) [ACCEPT ALL COOKIES](#)

 Chat