SECTION 6

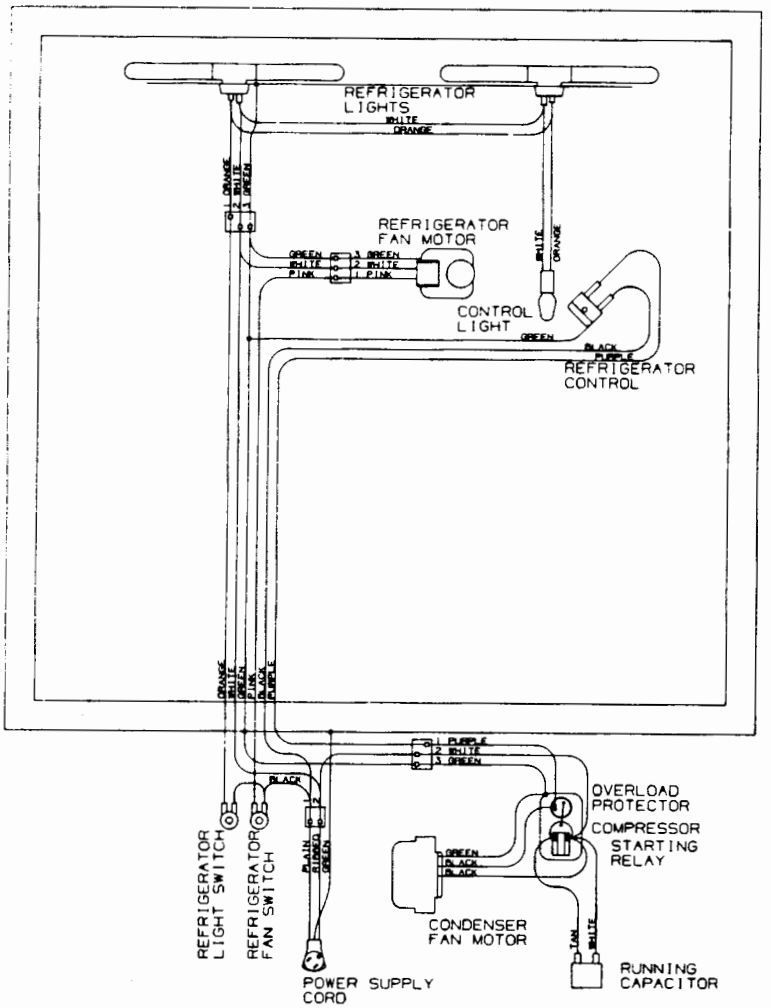
WIRING DIAGRAMS & SCHEMATICS

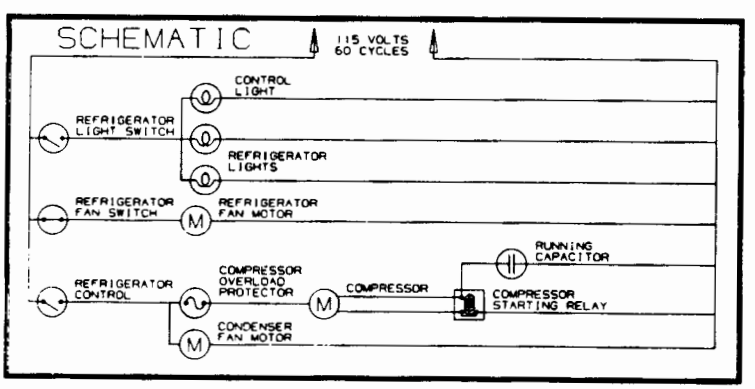
ATTENTION SERVICER: For the first eight years of production, the wiring of 500 Series units differed between the Madison and Phoenix facilities. This means that the wiring diagrams for Madison and Phoenix also differed for the first eight years.

The wiring diagrams in this section are in the best possible Serial Number order, with the diagrams applying to Madison production units preceding those applying to Phoenix production units. In some instances it is necessary to skip over pages to reach the continuation of the next set of applicable serial numbers. This is indicated in a "NOTE" at the top of the appropriate pages.

Before referencing any wiring diagrams in this section, you must know where the unit in question was produced, this is indicated by a "M" (for Madison production) or a "P" (for Phoenix production) at the beginning of the serial number on the serial tag.

WIRING DIAGRAM & SCHEMATIC - 501R
Madison Production Prior to Serial #M723972
(NOTE: See Page 6-4 for start of Phoenix Production Wiring Diagrams)





⚠WARNING

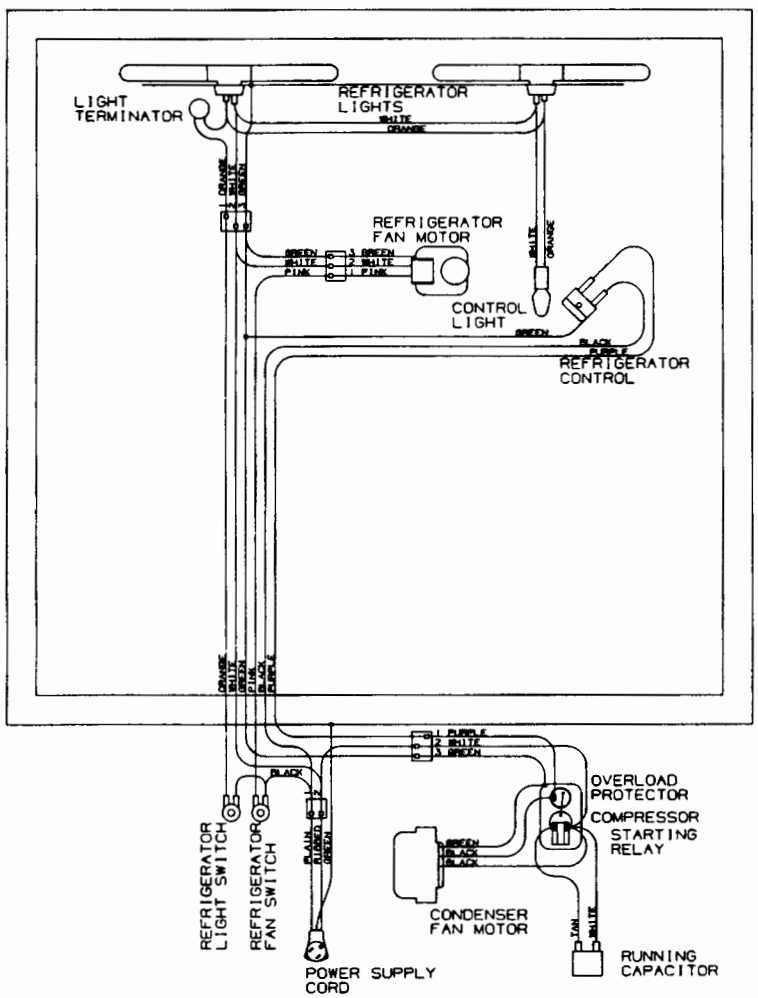
This wiring information is provided for use by qualified service personnel only.

Disconnect appliance from electrical supply before beginning service.

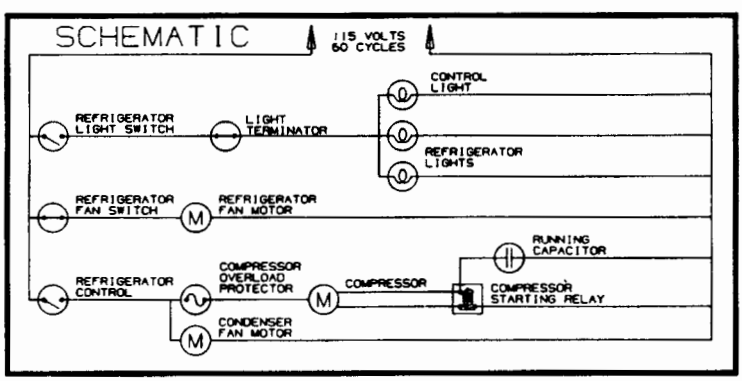
Be sure all grounding devices are connected when service is completed.

Failure to observe the above warnings may result in severe electrical shock.

WIRING DIAGRAM & SCHEMATIC - 501R
Madison Production From Serial #M723972 to #M821354
(NOTE: See Page 6-5 for continuation of the next applicable Madison Production serial numbers)



WIRING DIAGRAM
MODEL 501R



⚠WARNING

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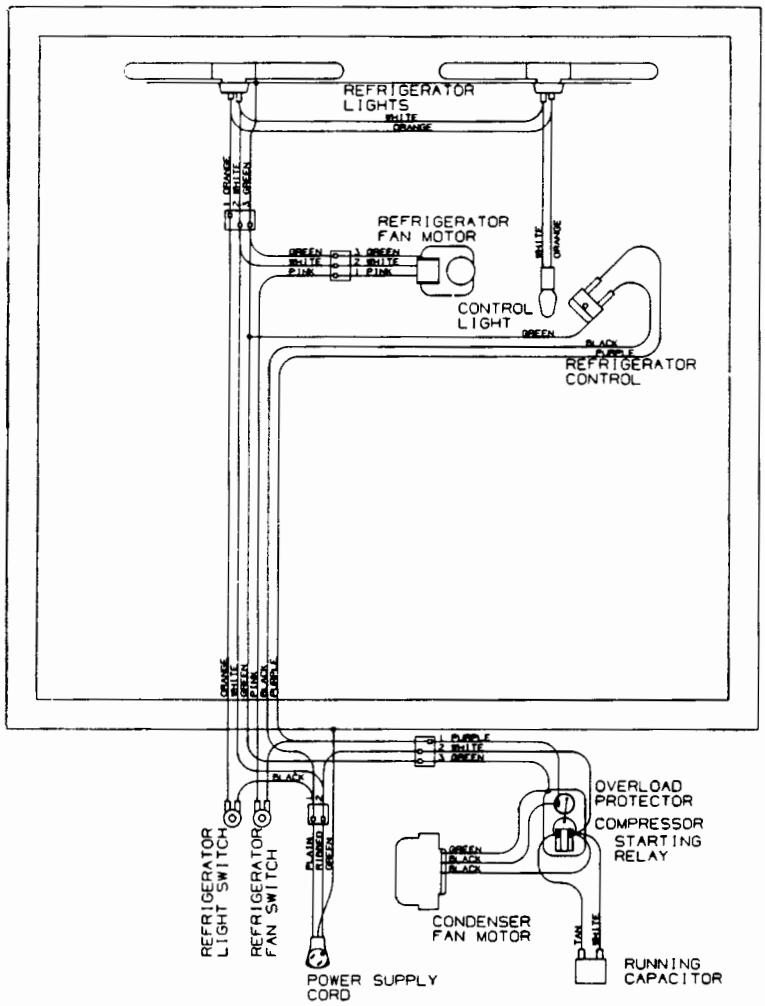
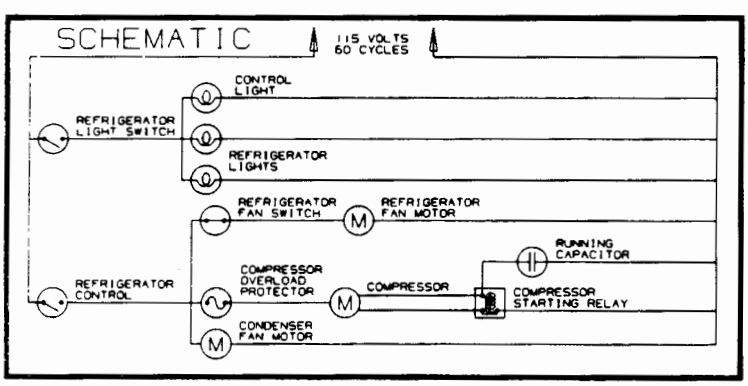
Failure to observe the above warnings may result in severe electrical shock.

WIRING DIAGRAM & SCHEMATIC - 501R
Phoenix Production Prior to Serial #P725922





⚠WARNING

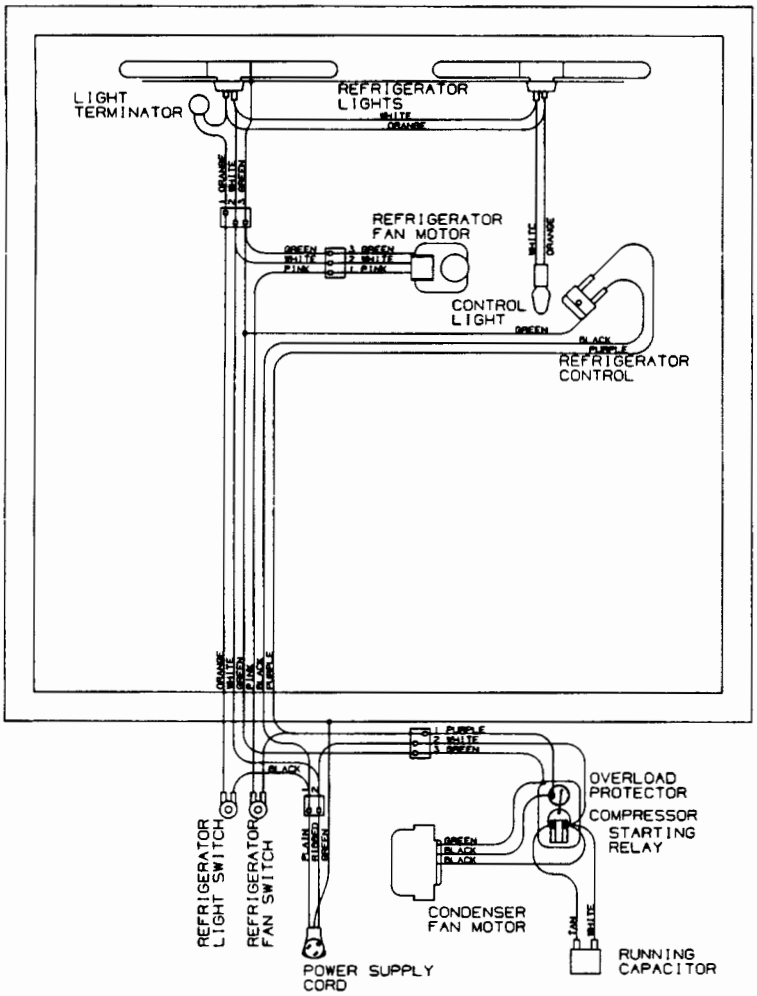
This wiring information is provided for use by qualified service personnel only.

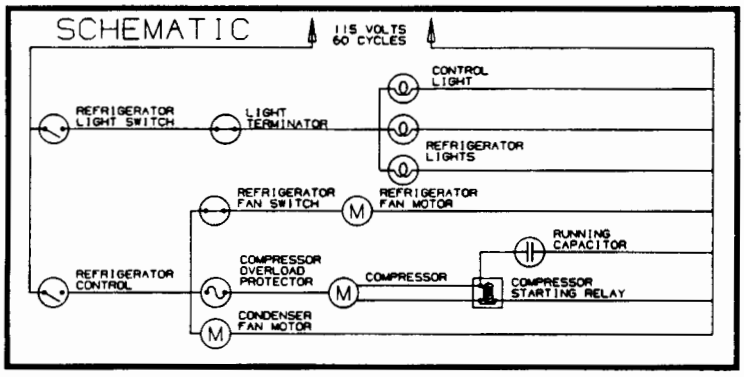
Disconnect appliance from electrical supply before beginning service.

Be sure all grounding devices are connected when service is completed.

Failure to observe the above warnings may result in severe electrical shock.

WIRING DIAGRAM & SCHEMATIC - 501R
Madison/Phoenix Production From Serial #M821354/P725922 to #M/P1004775, except between #M959920 to #M960169





⚠WARNING

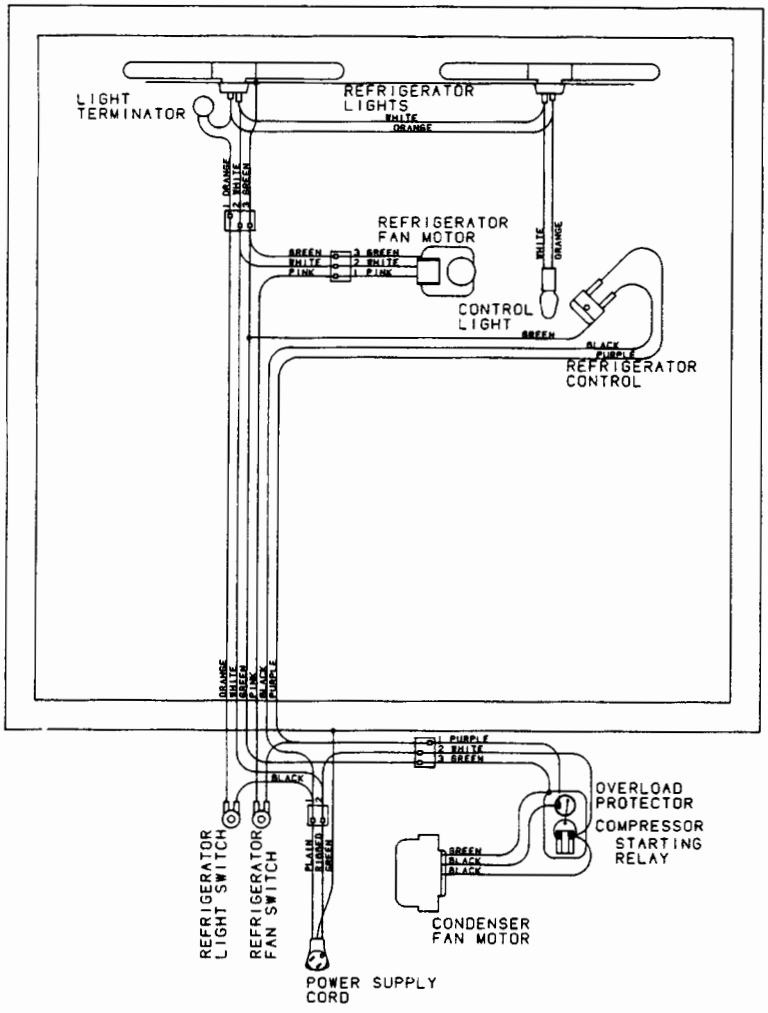
This wiring information is provided for use by qualified service personnel only.

Disconnect appliance from electrical supply before beginning service.

Be sure all grounding devices are connected when service is completed.

Failure to observe the above warnings may result in severe electrical shock.

WIRING DIAGRAM & SCHEMATIC - 501R
Madison/Phoenix Production Starting with Serial #M/P1004775 and between #M959920 to #M960169



WIRING DIAGRAM
MODEL 501R

⚠WARNING

This wiring information is provided for use by qualified service personnel only.

Disconnect appliance from electrical supply before beginning service.

Be sure all grounding devices are connected when service is completed.

Failure to observe the above warnings may result in severe electrical shock.

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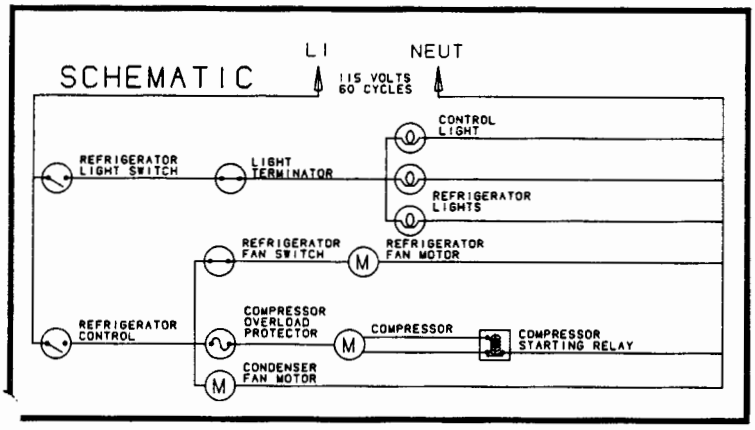
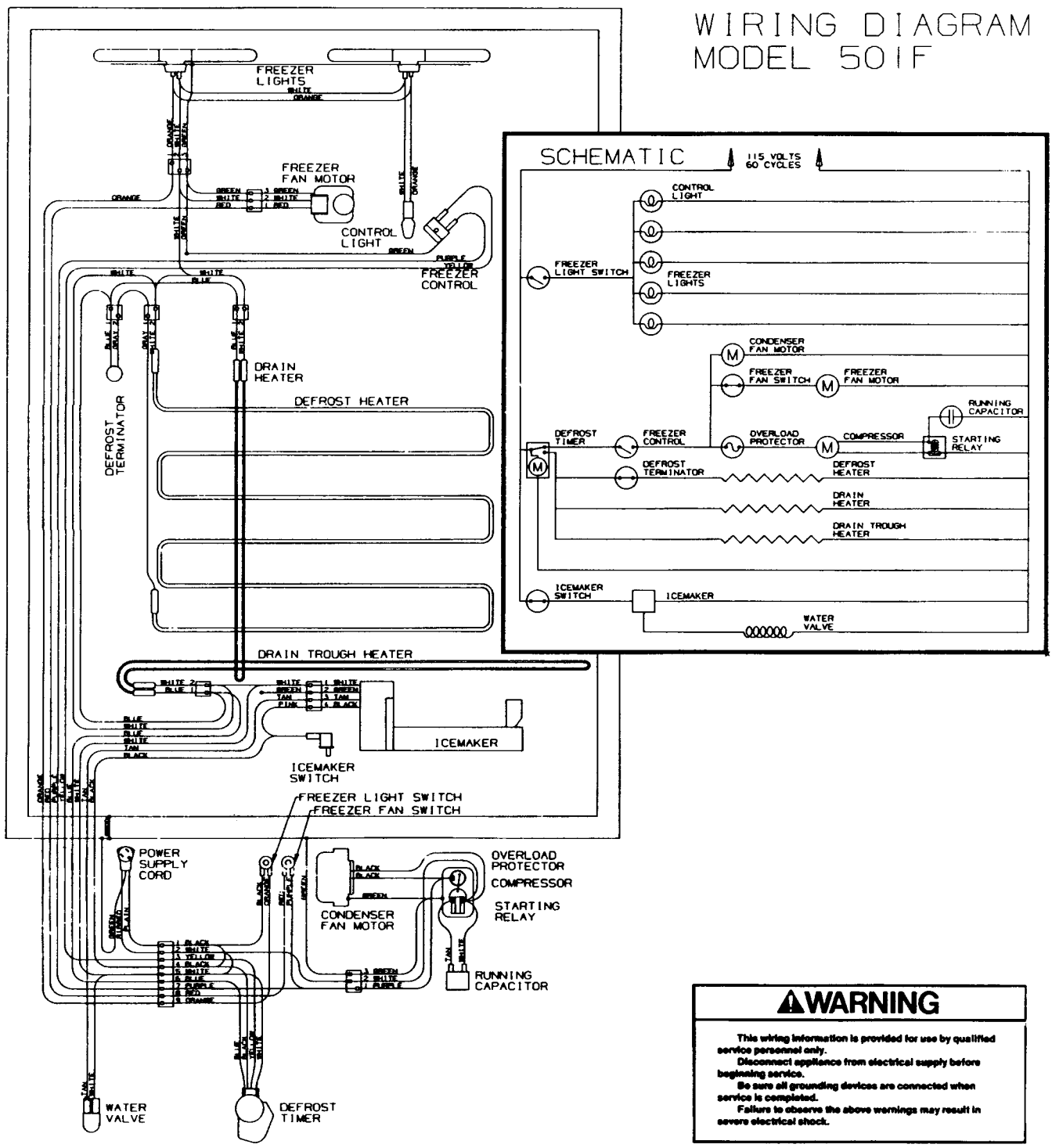


WIRING DIAGRAM & SCHEMATIC - 501F
Madison Production Prior to Serial #M675466
(NOTE: See Page 6-11 for start of Phoenix Production Wiring Diagrams)



⚠WARNING

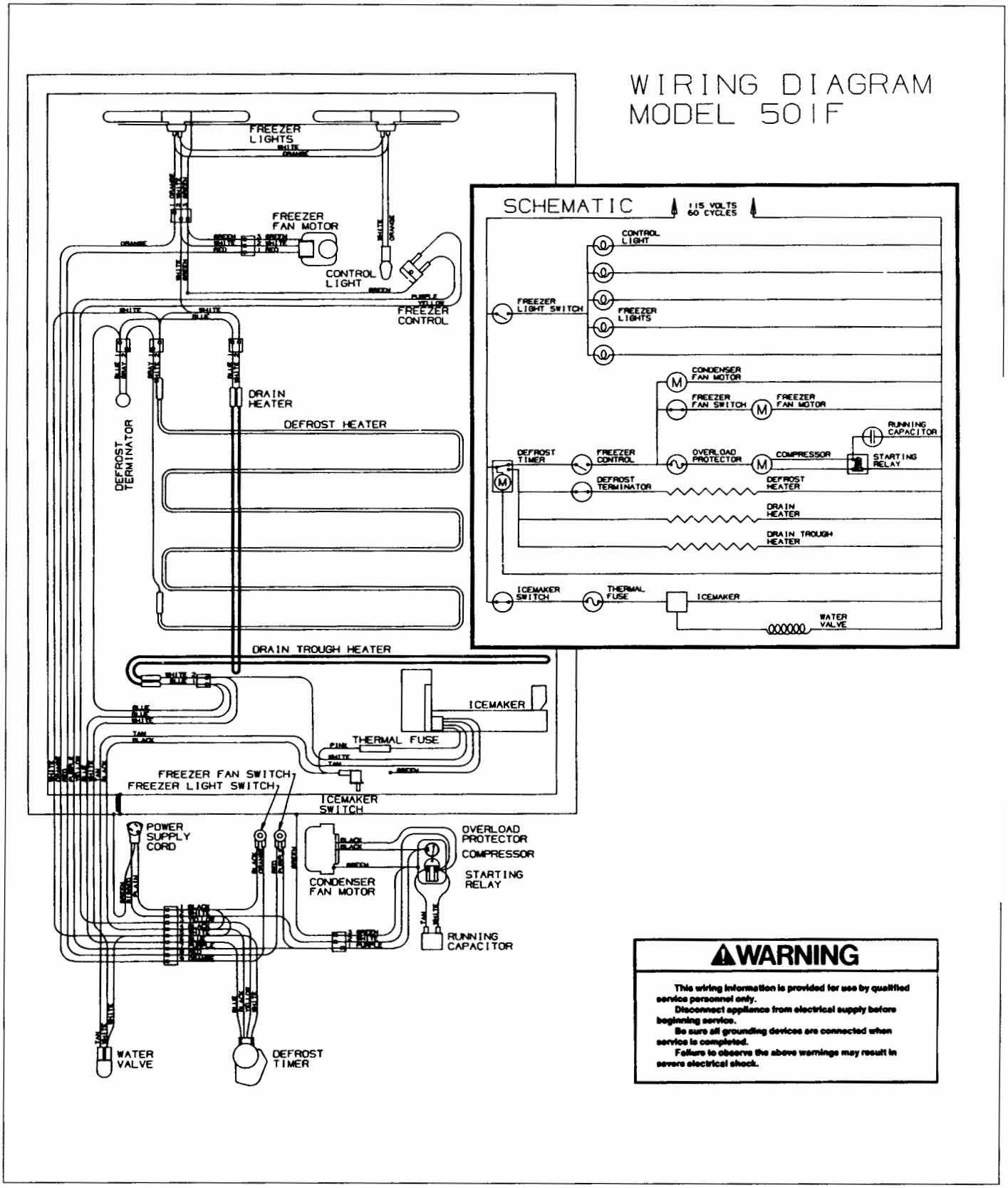
This wiring information is provided for use by qualified service personnel only.

Disconnect appliance from electrical supply before beginning service.

Be sure all grounding devices are connected when service is completed.

Failure to observe the above warnings may result in severe electrical shock.

WIRING DIAGRAM & SCHEMATIC - 501F
Madison Production From Serial #M675466 to #M724222



⚠WARNING

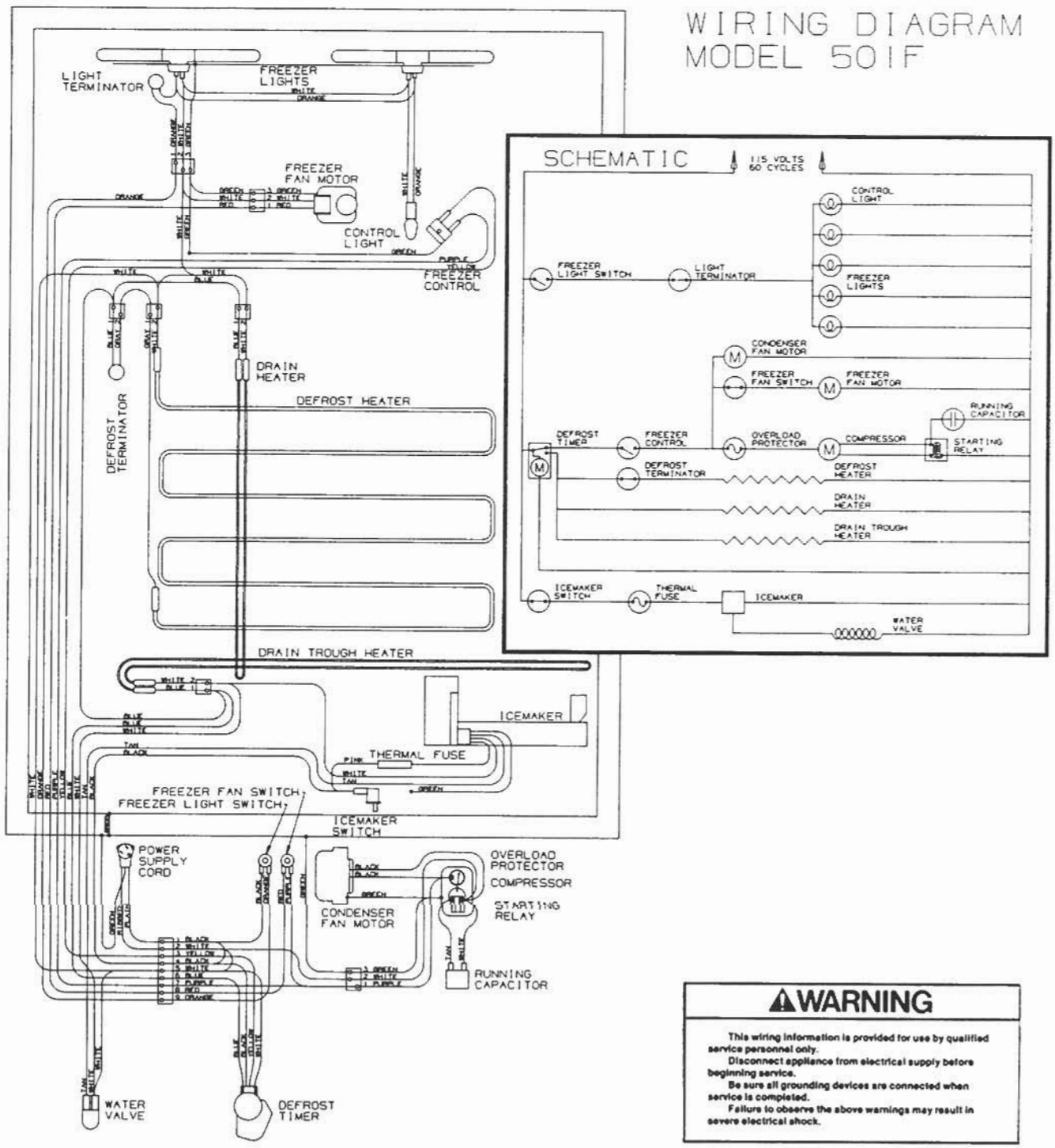
This wiring information is provided for use by qualified service personnel only.

Disconnect appliance from electrical supply before beginning service.

Be sure all grounding devices are connected when service is completed.

Failure to observe the above warnings may result in severe electrical shock.

WIRING DIAGRAM & SCHEMATIC - 501F
Madison Production From Serial #M724222 to #M834904



⚠WARNING

This wiring information is provided for use by qualified service personnel only.

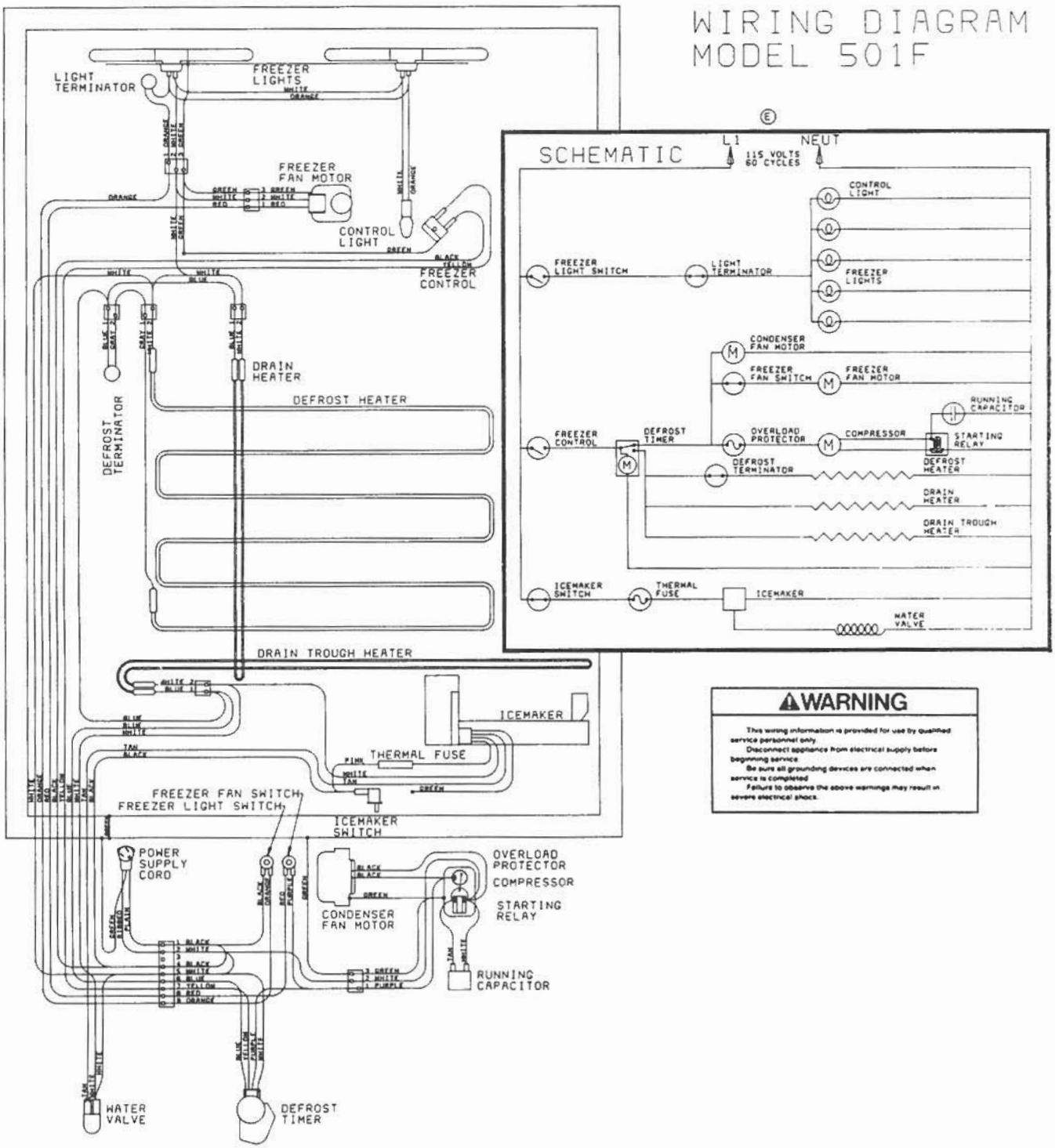
Disconnect appliance from electrical supply before beginning service.

Be sure all grounding devices are connected when service is completed.

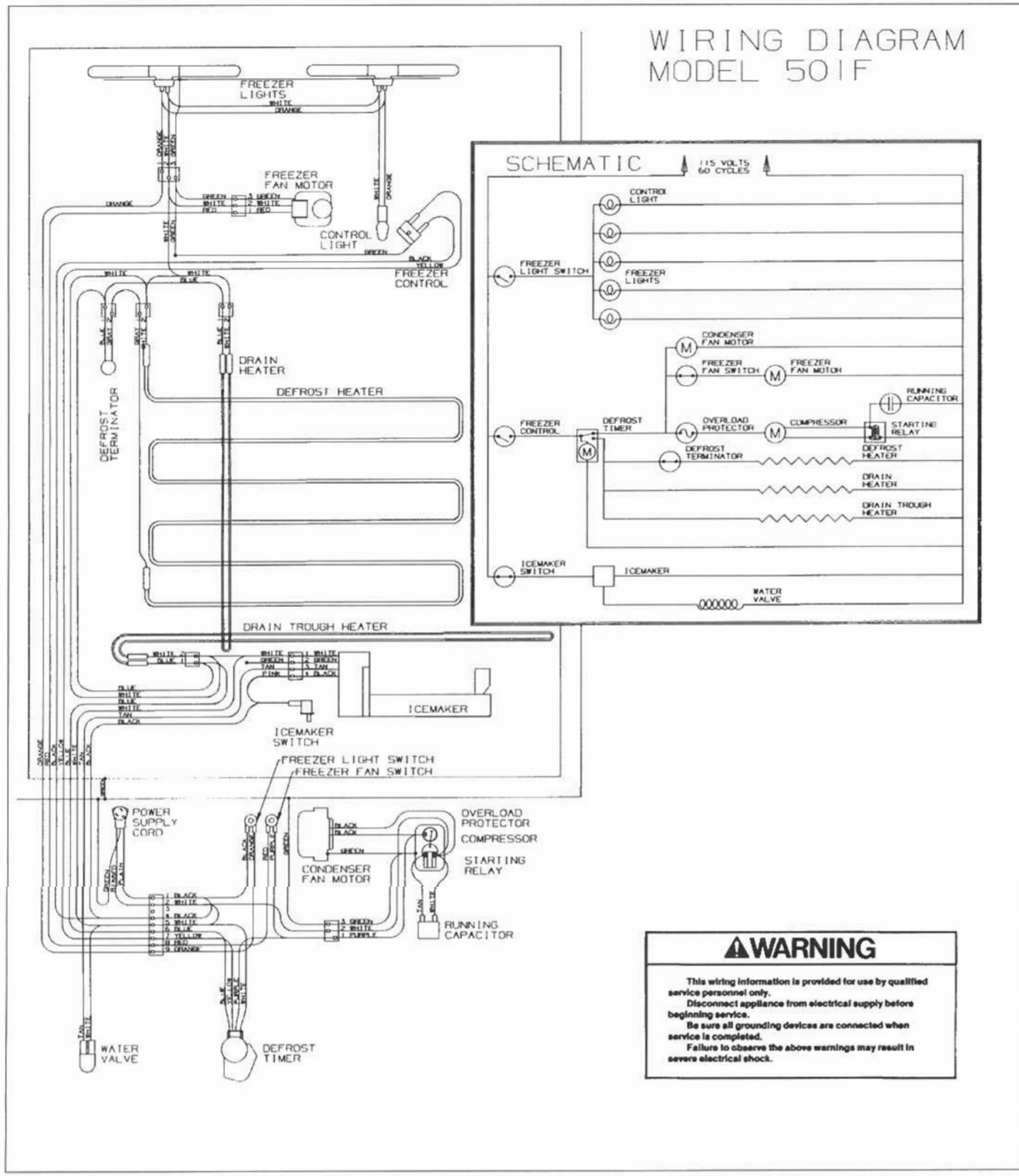
Failure to observe the above warnings may result in severe electrical shock.

WIRING DIAGRAM & SCHEMATIC - 501F
Madison Production From Serial #M834904 to #M/P1004775, Except Between #M959920 to #M960169

(NOTE: See Page 6-14 for continuation of the next applicable Madison Production serial numbers)



WIRING DIAGRAM & SCHEMATIC - 501F
Phoenix Production Prior to Serial #P677466



⚠WARNING

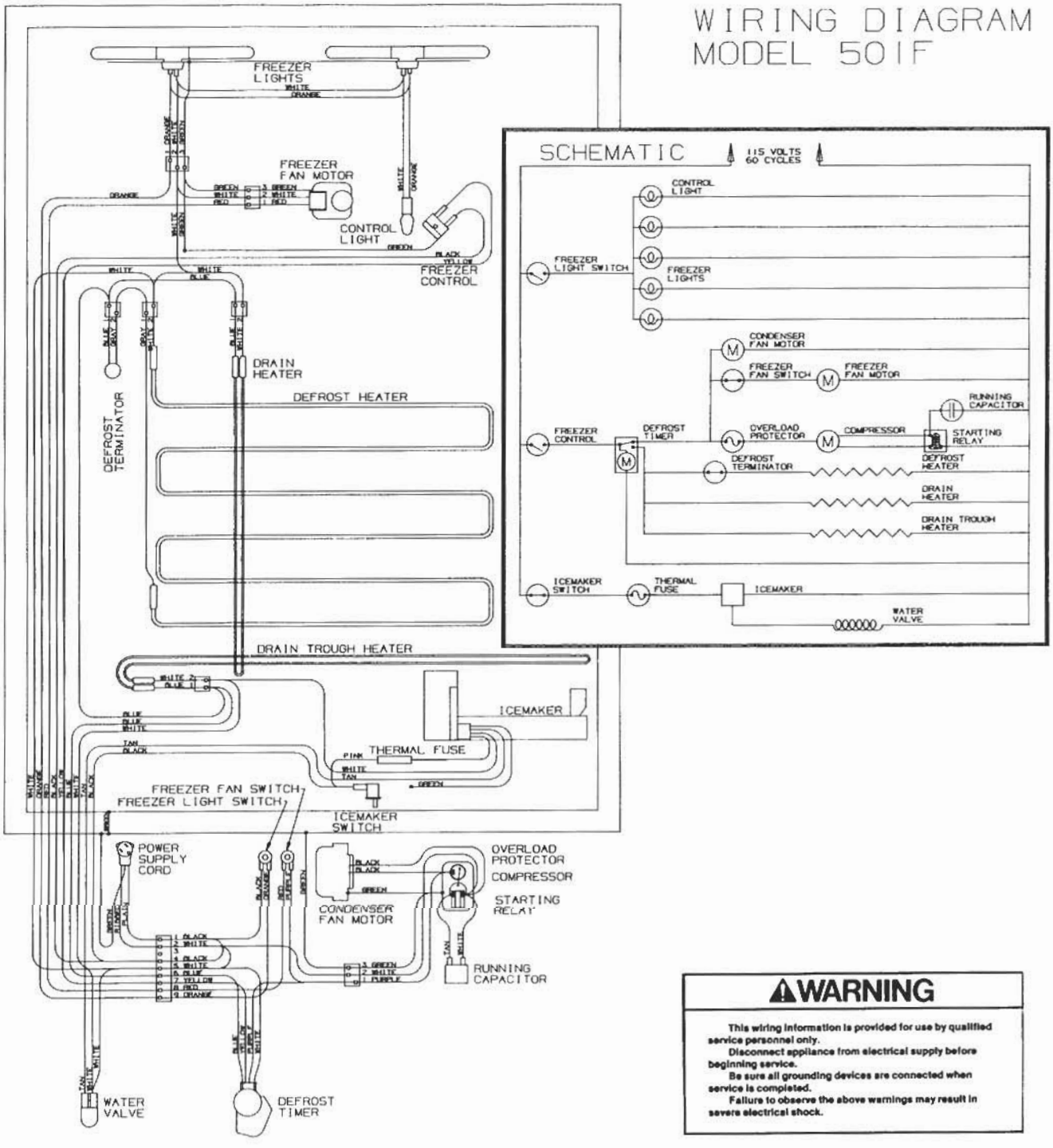
This wiring information is provided for use by qualified service personnel only.

Disconnect appliance from electrical supply before beginning service.

Be sure all grounding devices are connected when service is completed.

Failure to observe the above warnings may result in severe electrical shock.

WIRING DIAGRAM & SCHEMATIC - 501F
Phoenix Production From Serial #P677466 to #P726372



⚠WARNING

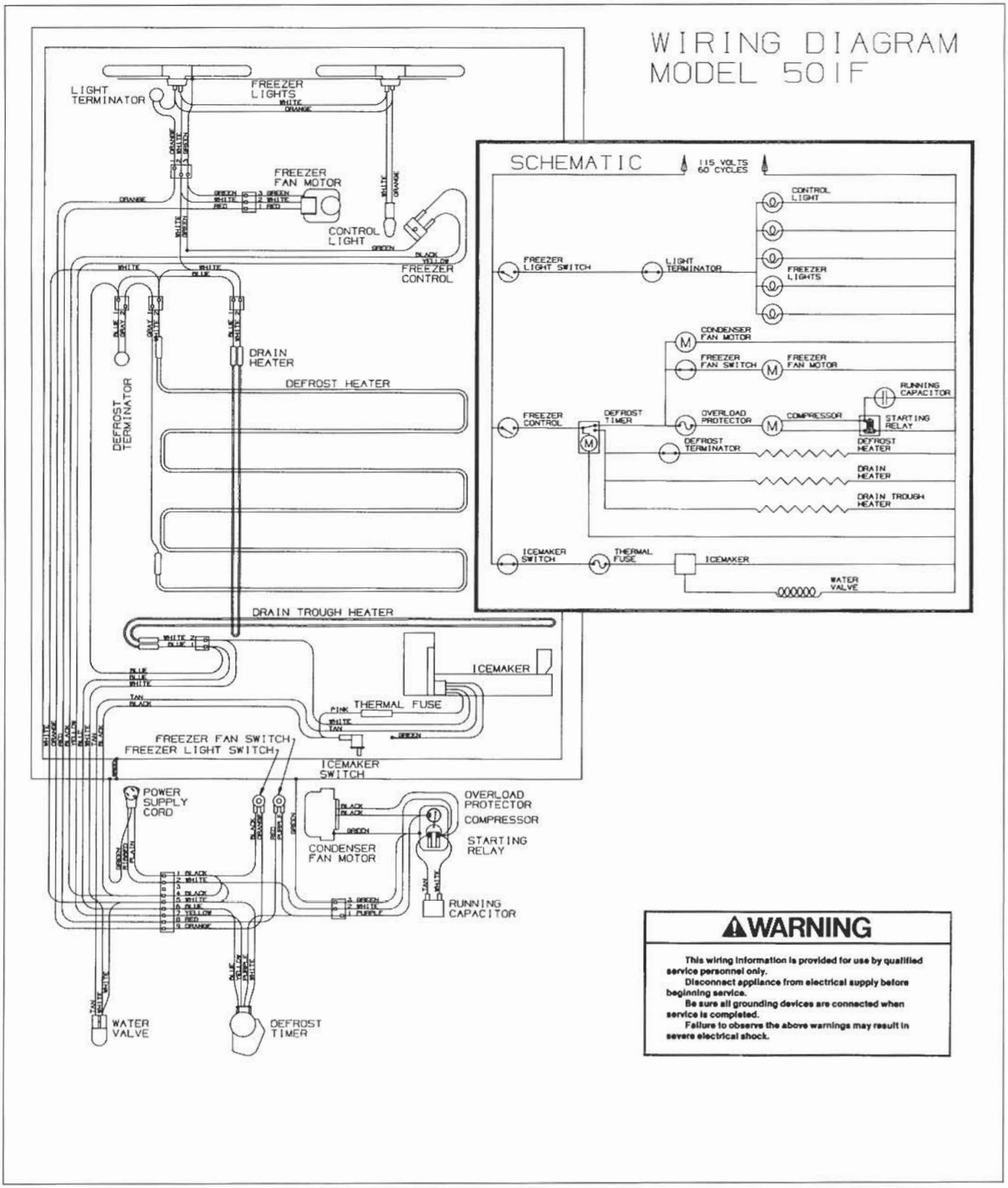
This wiring information is provided for use by qualified service personnel only.

Disconnect appliance from electrical supply before beginning service.

Be sure all grounding devices are connected when service is completed.

Failure to observe the above warnings may result in severe electrical shock.

WIRING DIAGRAM & SCHEMATIC - 501F
Phoenix Production From Serial #P726372 to M/P1004775, Except Between #M959920 to #M960169



⚠WARNING

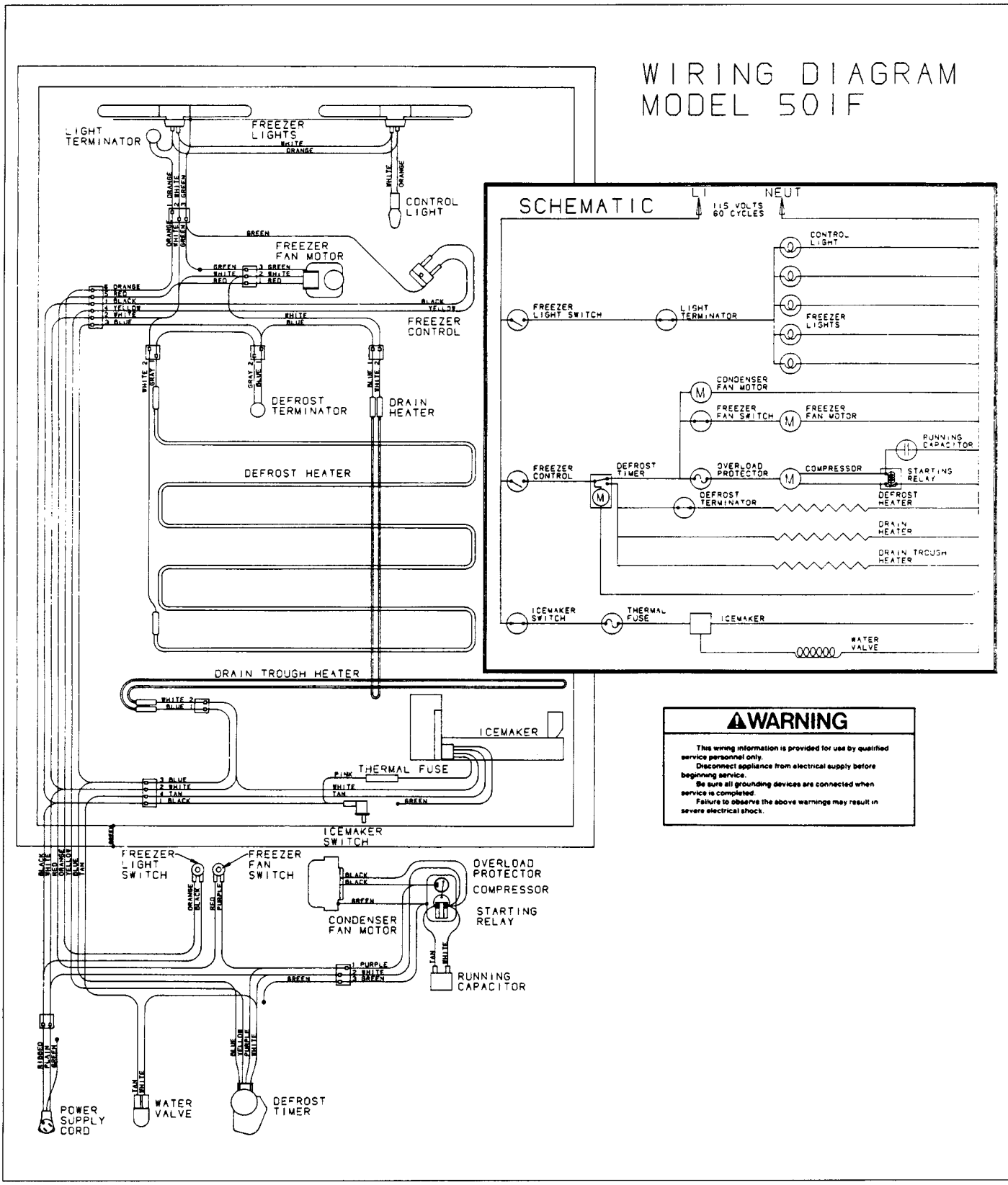
This wiring information is provided for use by qualified service personnel only.

Disconnect appliance from electrical supply before beginning service.

Be sure all grounding devices are connected when service is completed.

Failure to observe the above warnings may result in severe electrical shock.

WIRING DIAGRAM & SCHEMATIC - 501F
Madison/Phoenix Production Starting with Serial #M/P1004775, and Between #M959920 to #M960169



⚠WARNING

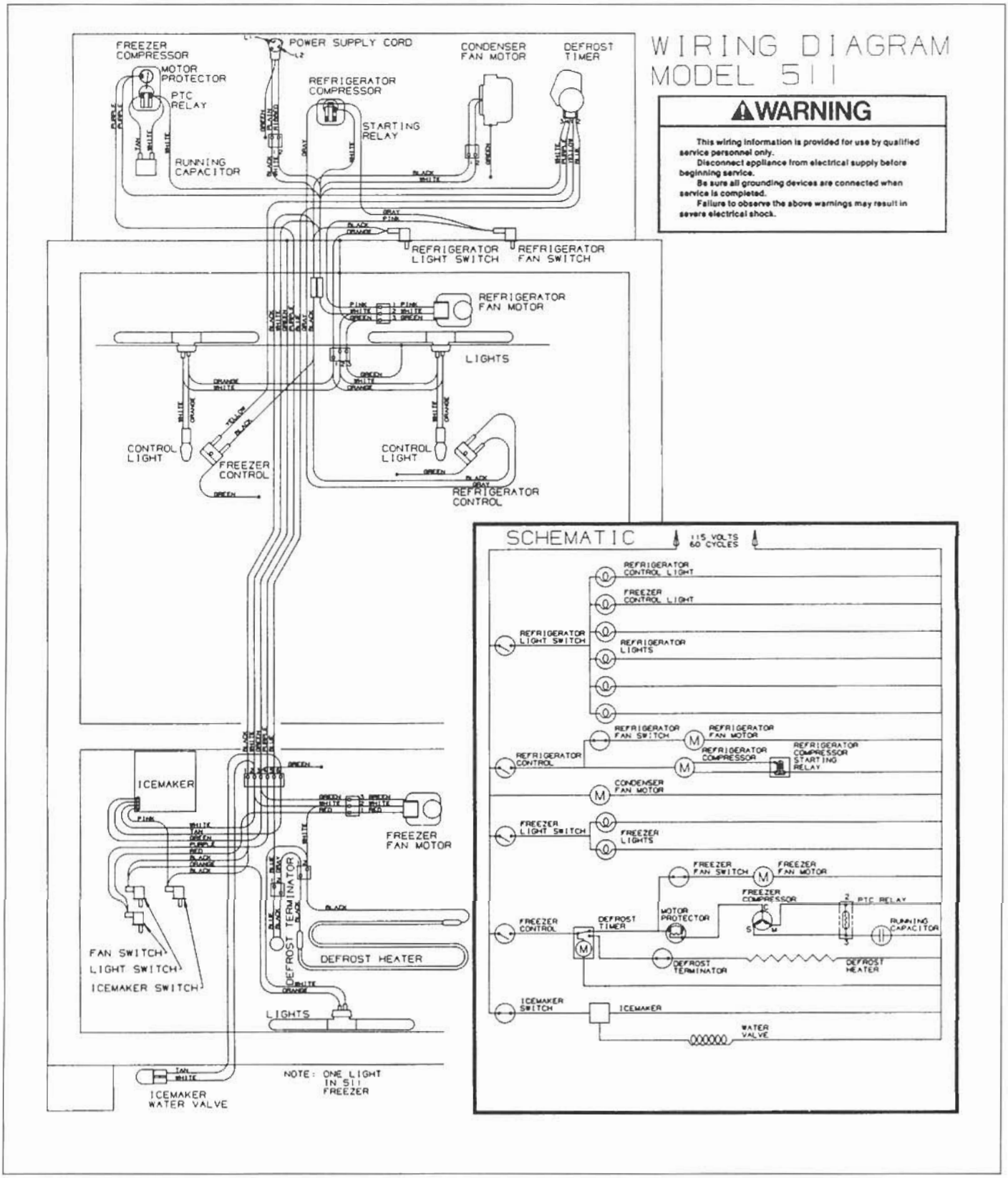
This wiring information is provided for use by qualified service personnel only.

Disconnect appliance from electrical supply before beginning service.

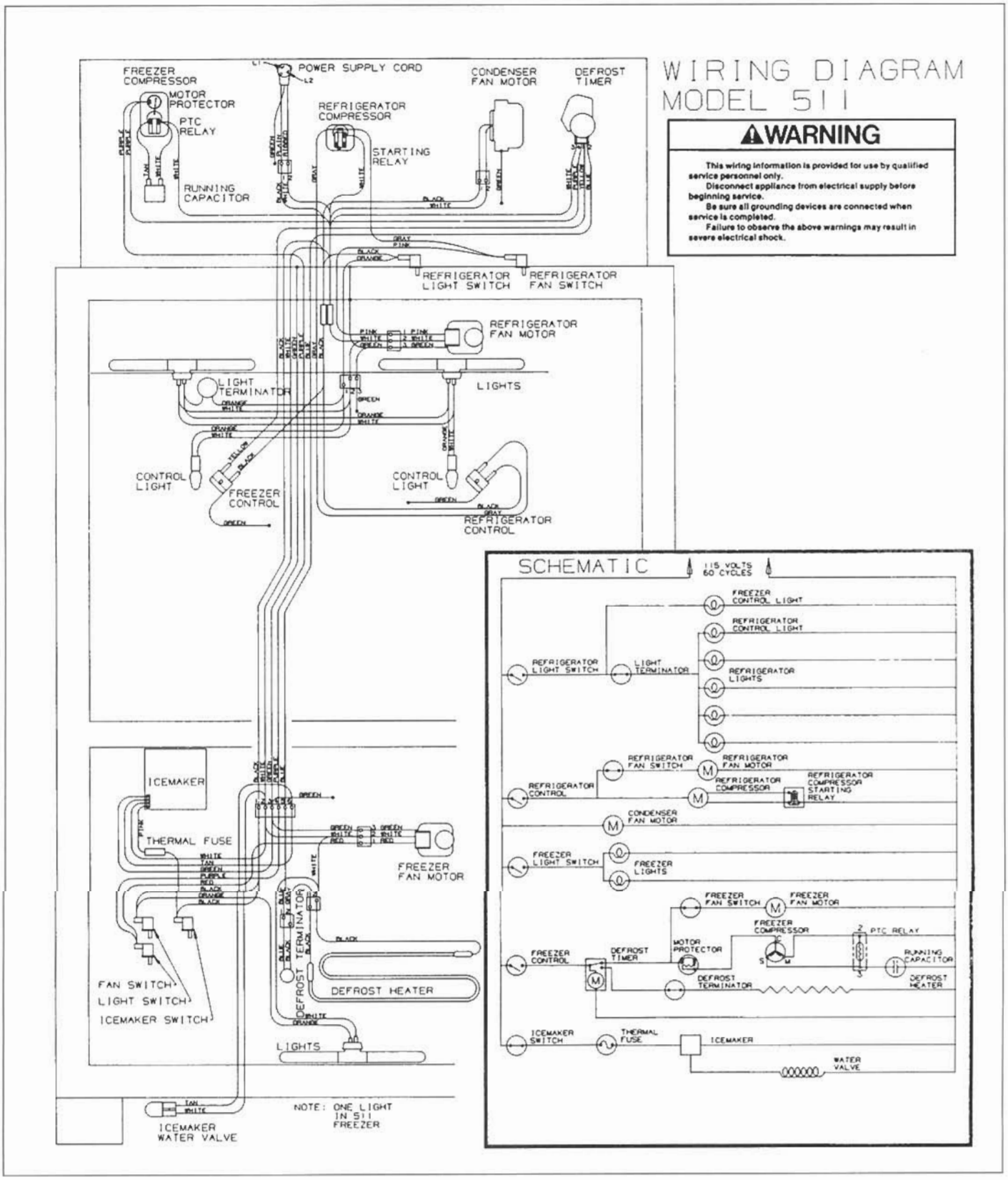
Be sure all grounding devices are connected when service is completed.

Failure to observe the above warnings may result in severe electrical shock.

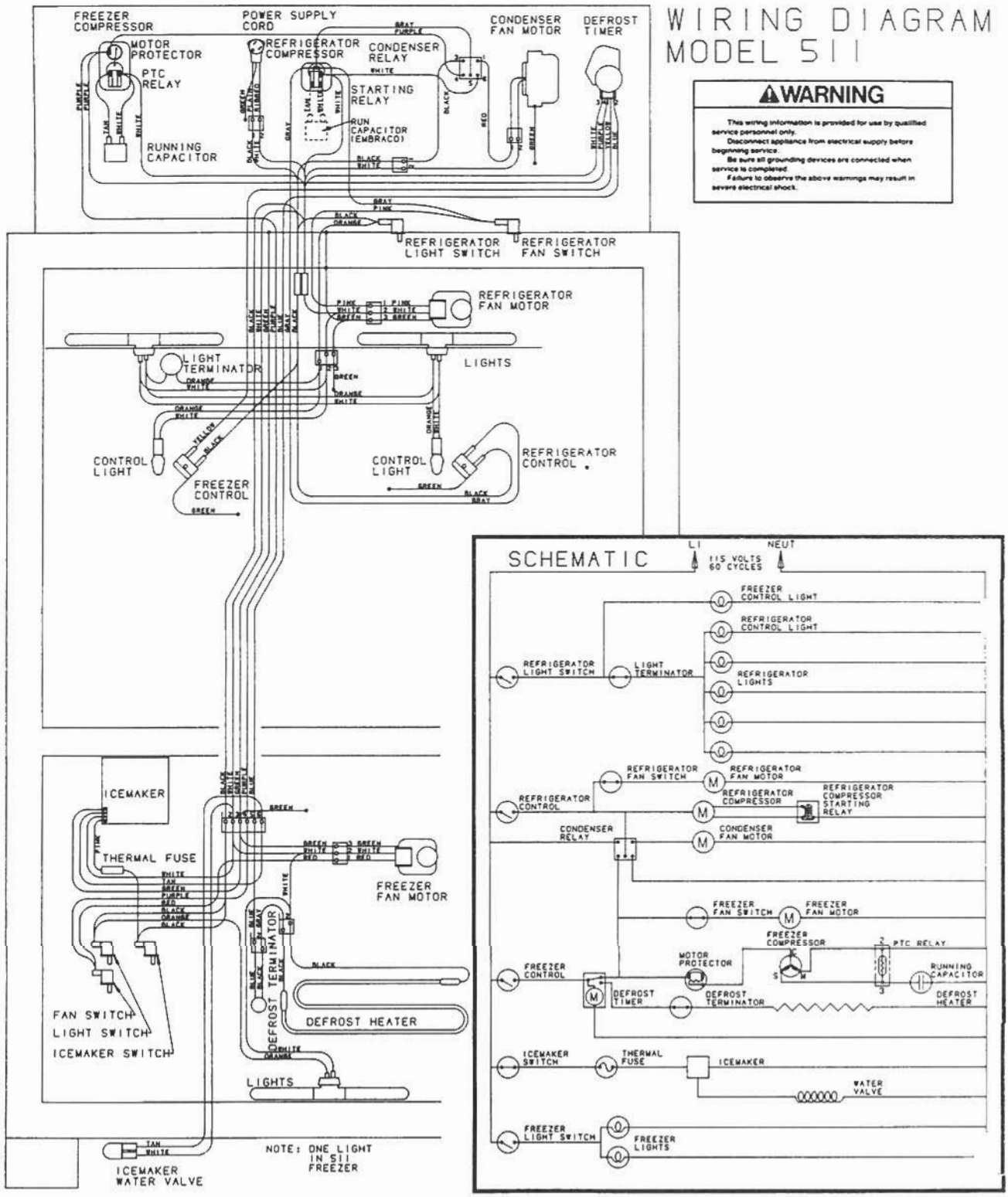
WIRING DIAGRAM & SCHEMATIC - 511
Madison Production Prior to Serial #M753523



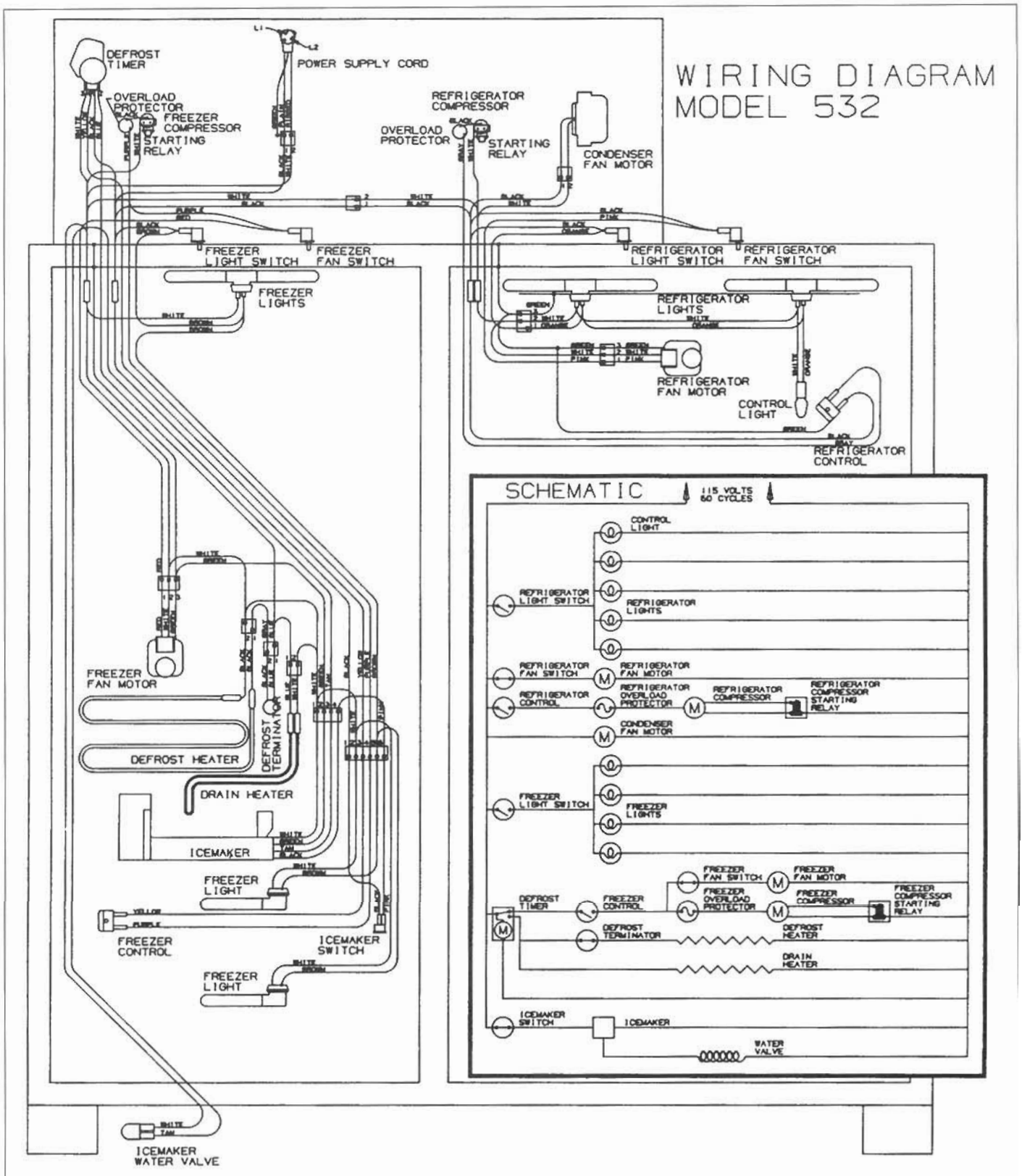
WIRING DIAGRAM & SCHEMATIC - 511
Madison Production From Serial #M753523 to #M1004775, Except Between #M964470 to #964769



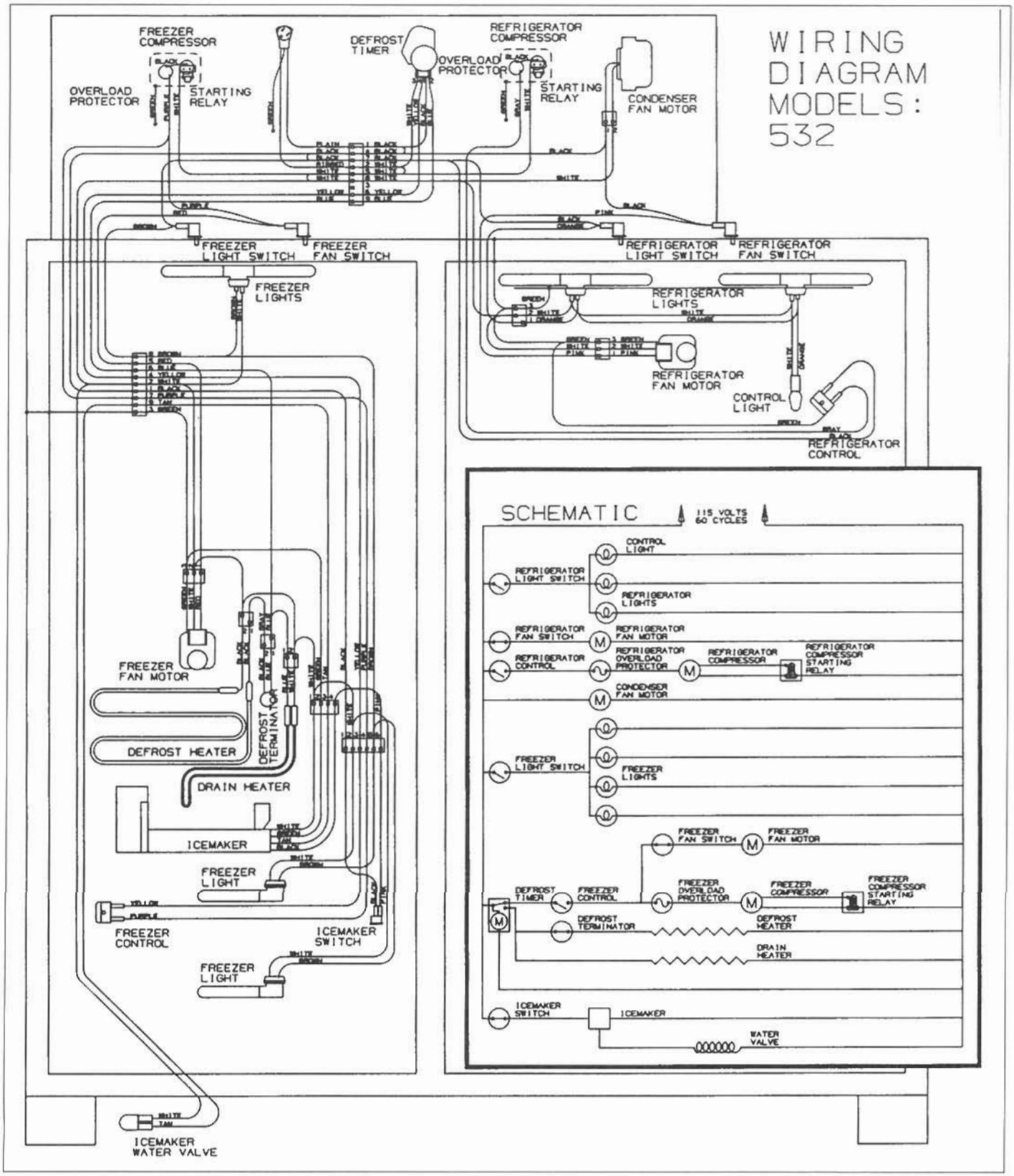
WIRING DIAGRAM & SCHEMATIC - 511
Madison Production Starting with Serial #M1004775 and between #M964470 to #964769



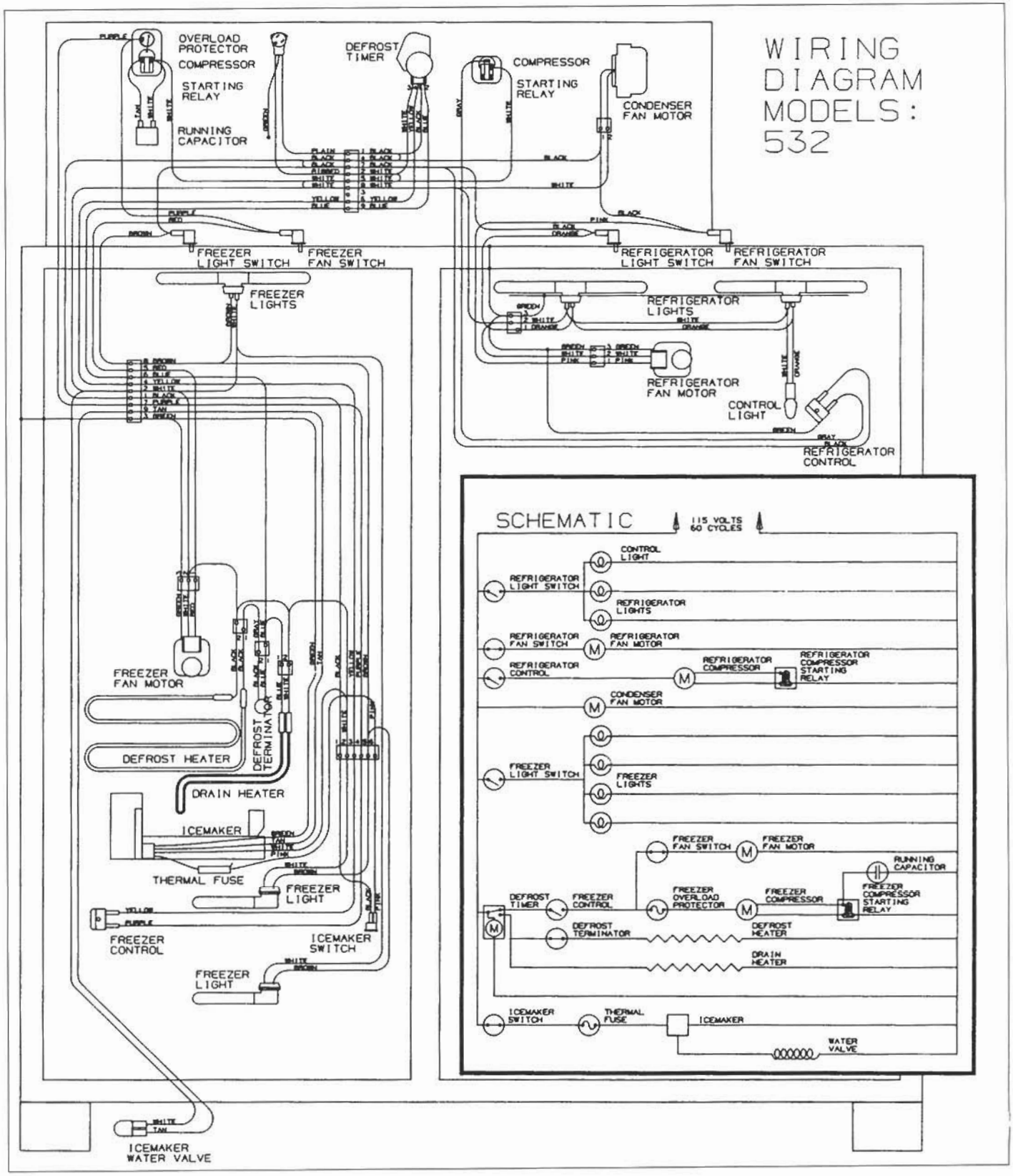
WIRING DIAGRAM & SCHEMATIC - 532
Madison Production Prior to Serial #M616691
(NOTE: See Page 6-22 for start of Phoenix Production Wiring Diagrams)



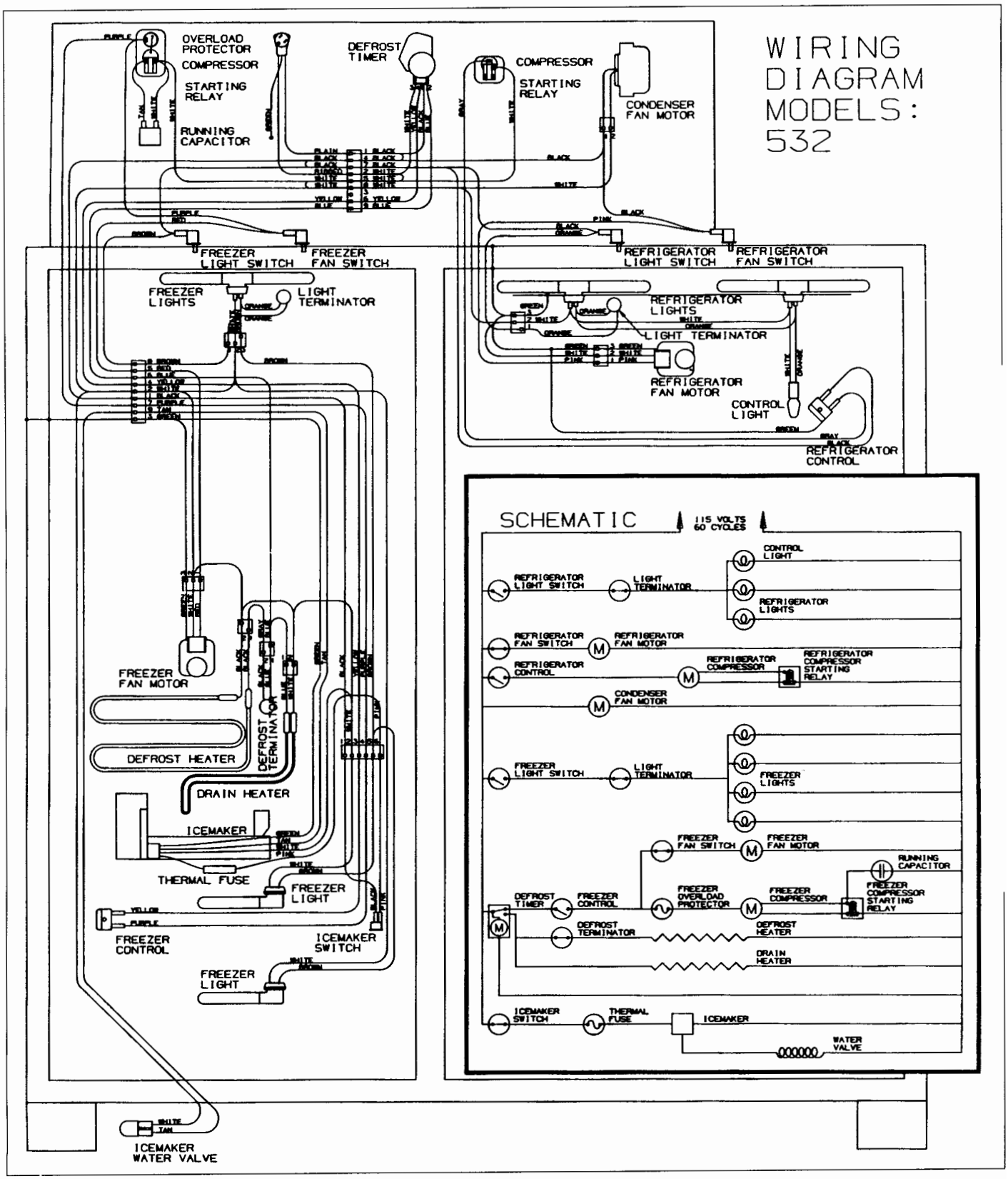
WIRING DIAGRAM & SCHEMATIC - 532
Madison Production From Serial #M616691 to #M681566



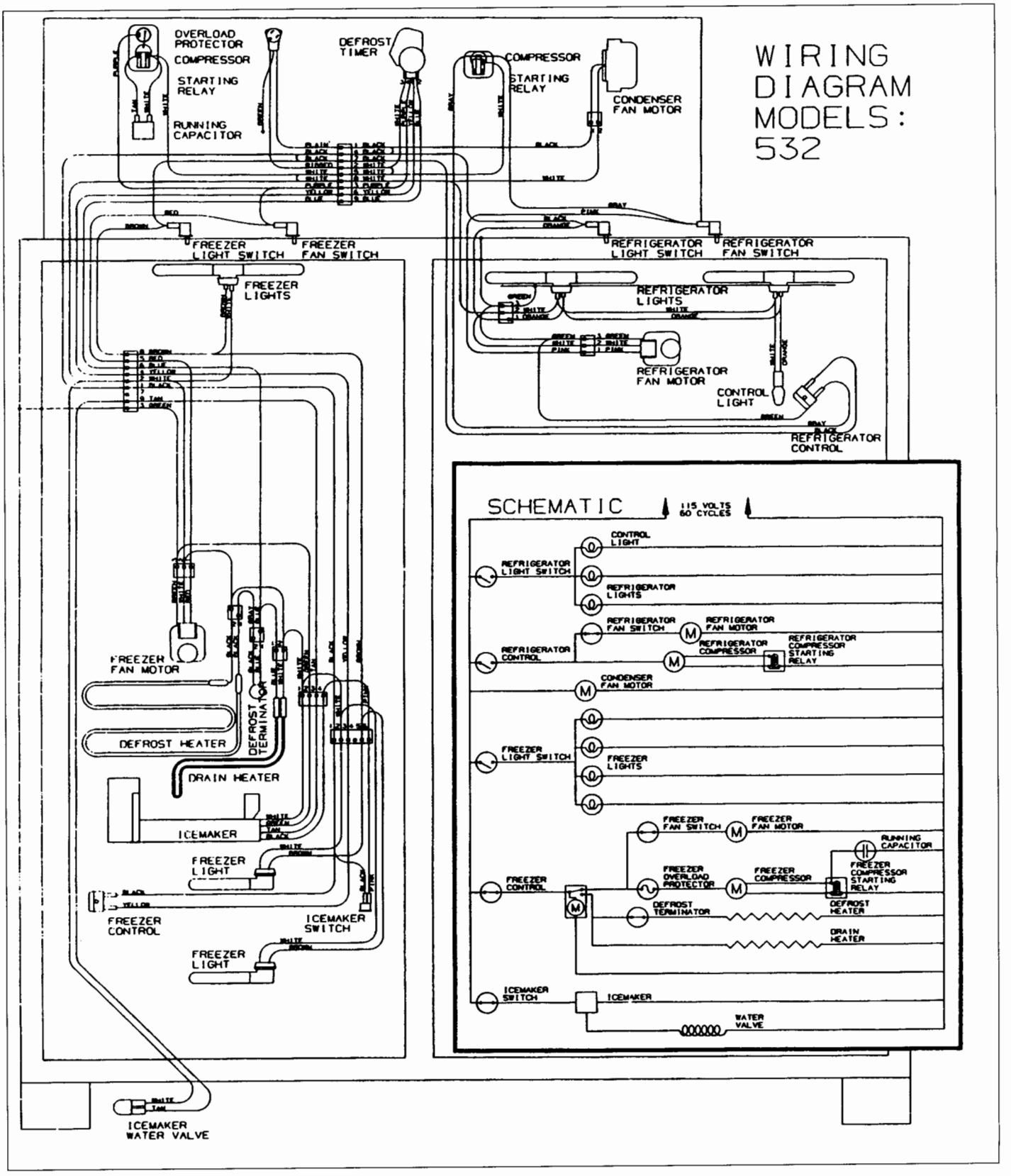
WIRING DIAGRAM & SCHEMATIC - 532
Madison Production From Serial #M681566 to #M722572



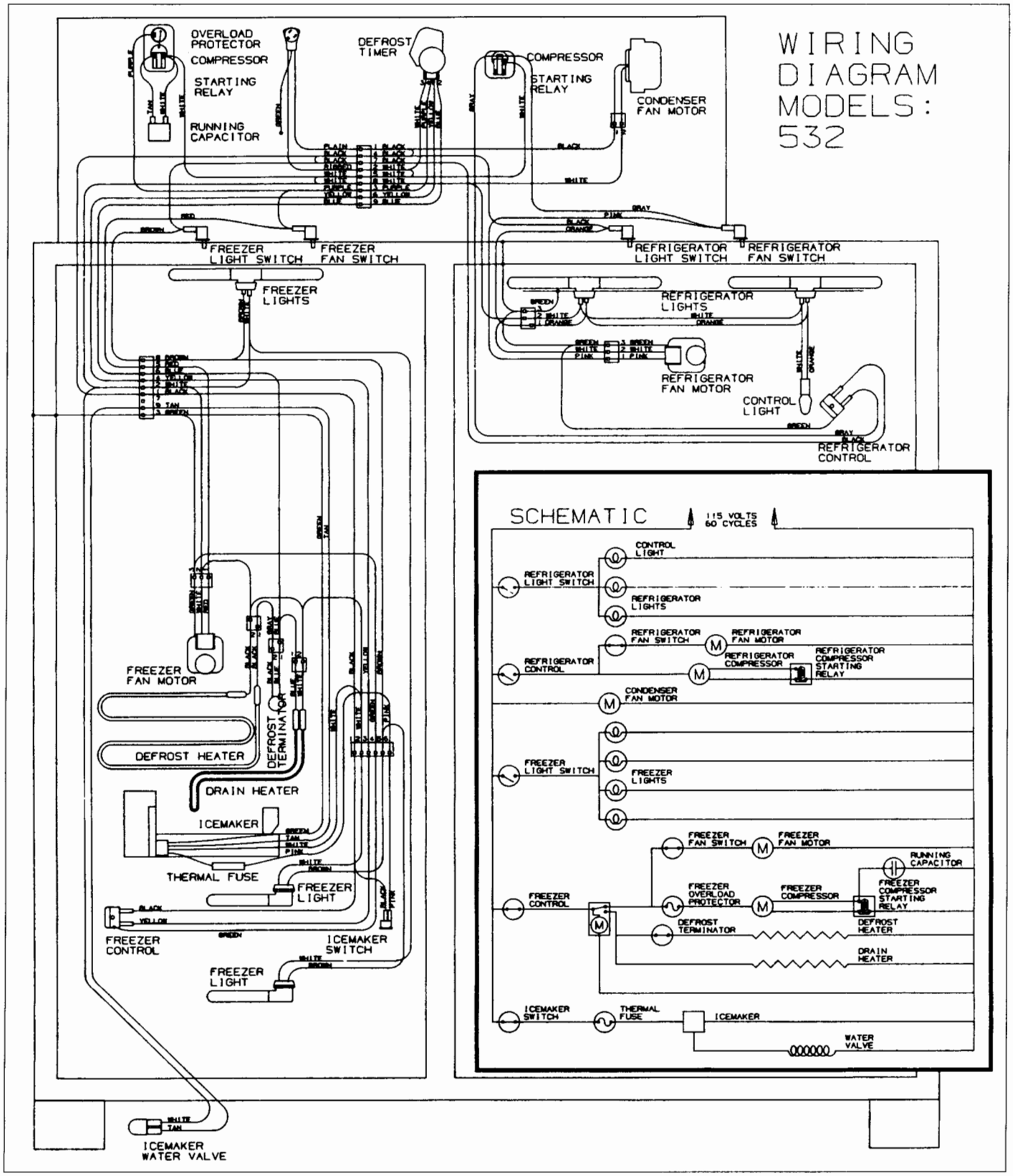
WIRING DIAGRAM & SCHEMATIC - 532
Madison Production From Serial #M722572 to #M815564
(NOTE: See Page 6-24 for continuation of the next applicable Madison Production serial numbers)



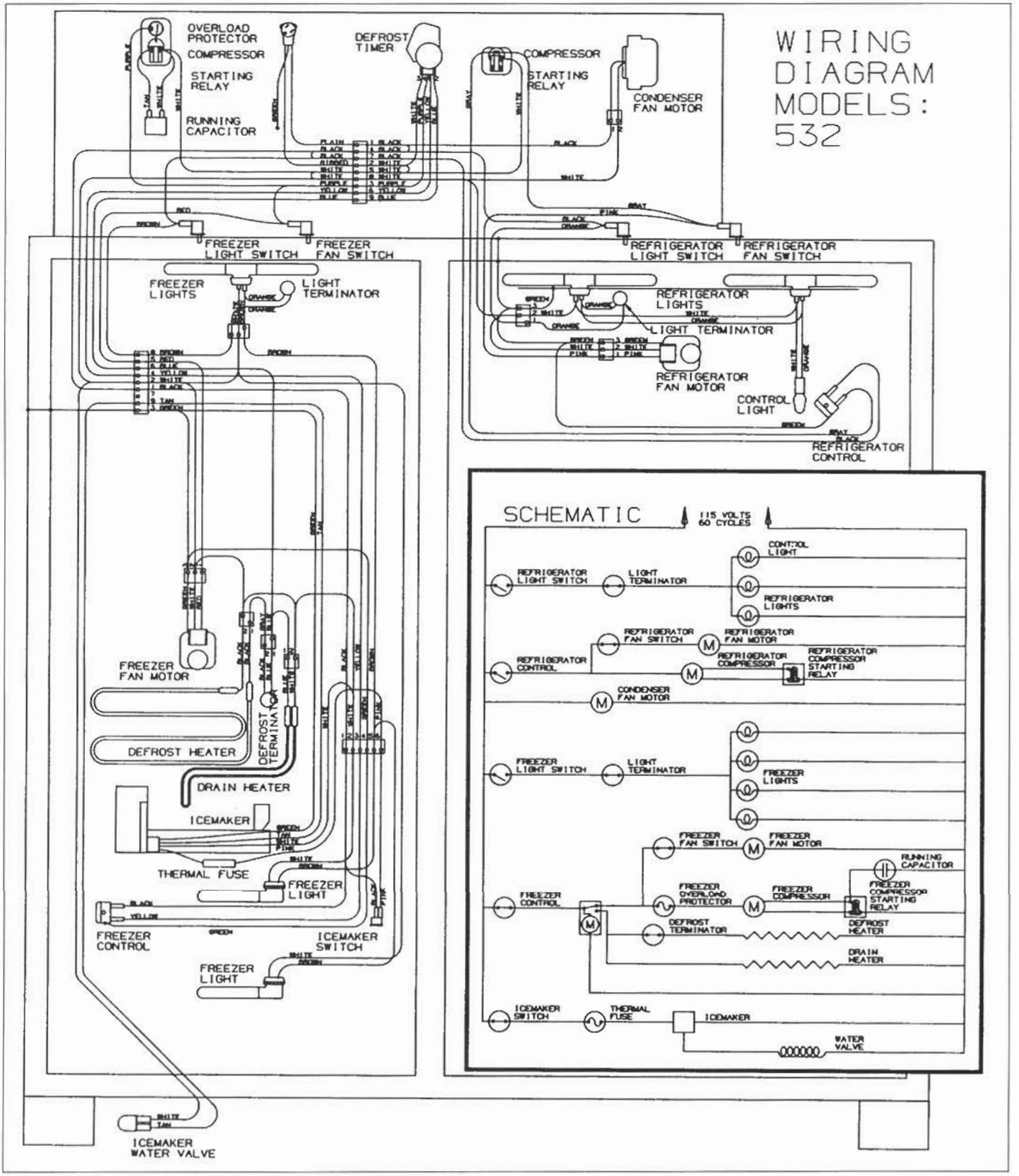
WIRING DIAGRAM & SCHEMATIC - 532
Phoenix Production Prior to Serial #P679166



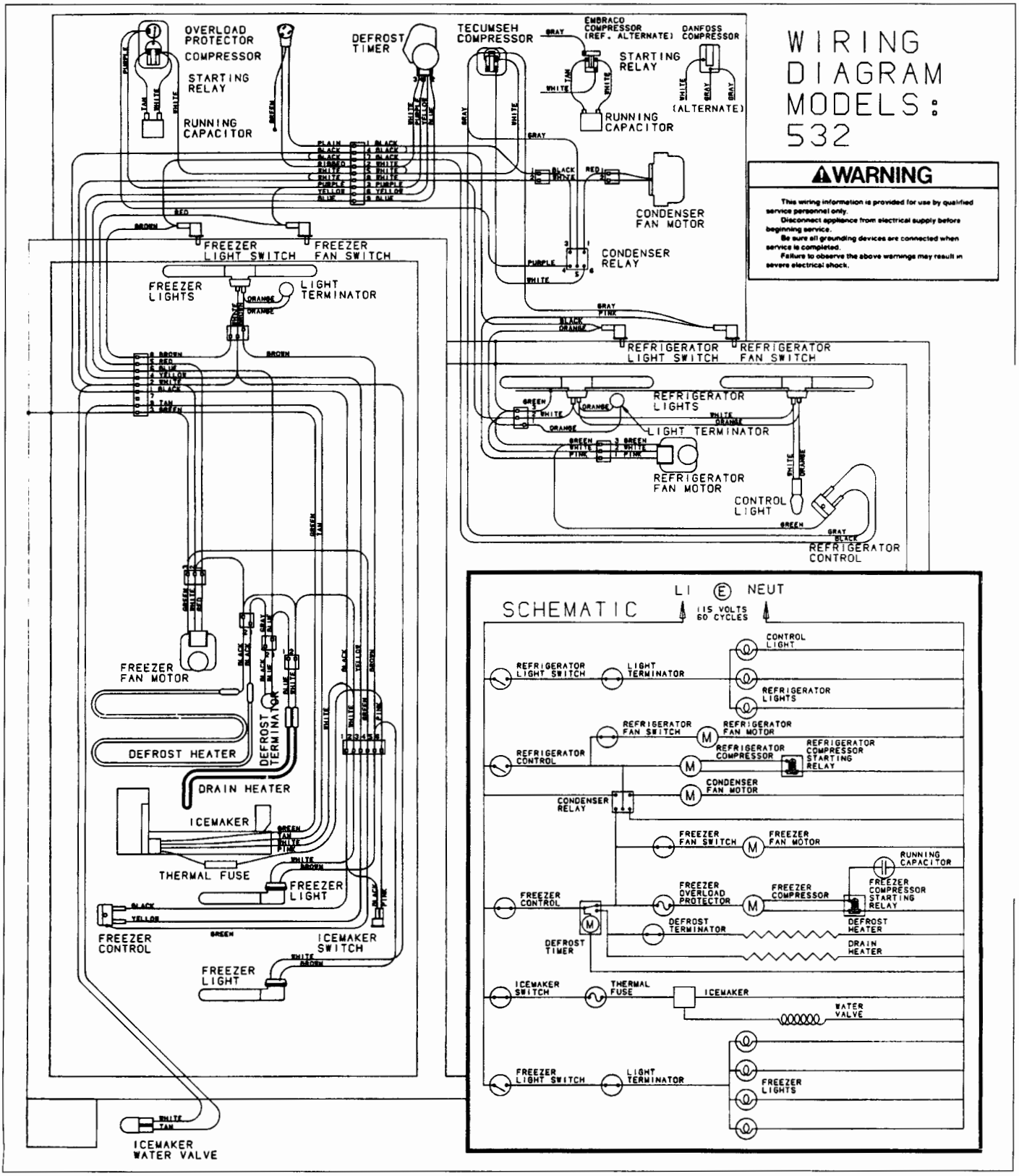
WIRING DIAGRAM & SCHEMATIC - 532
Phoenix Production From Serial #P679166 to #P725022



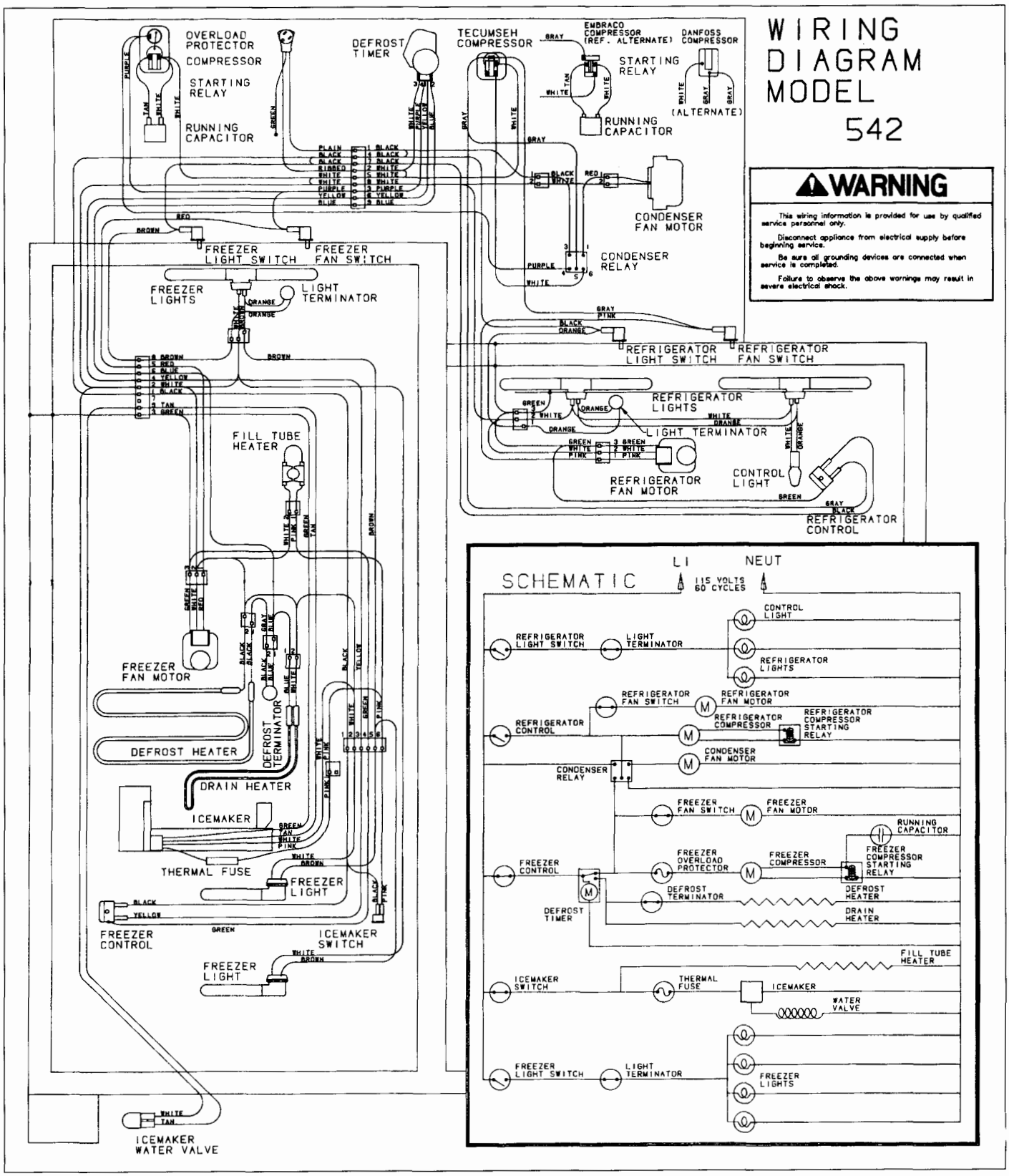
WIRING DIAGRAM & SCHEMATIC - 532
Madison/Phoenix Production From Serial #M815564/P725022 to #M/P1004775, Except Between #M964770 to #M965069, and Except Between #M990700 to #M990999



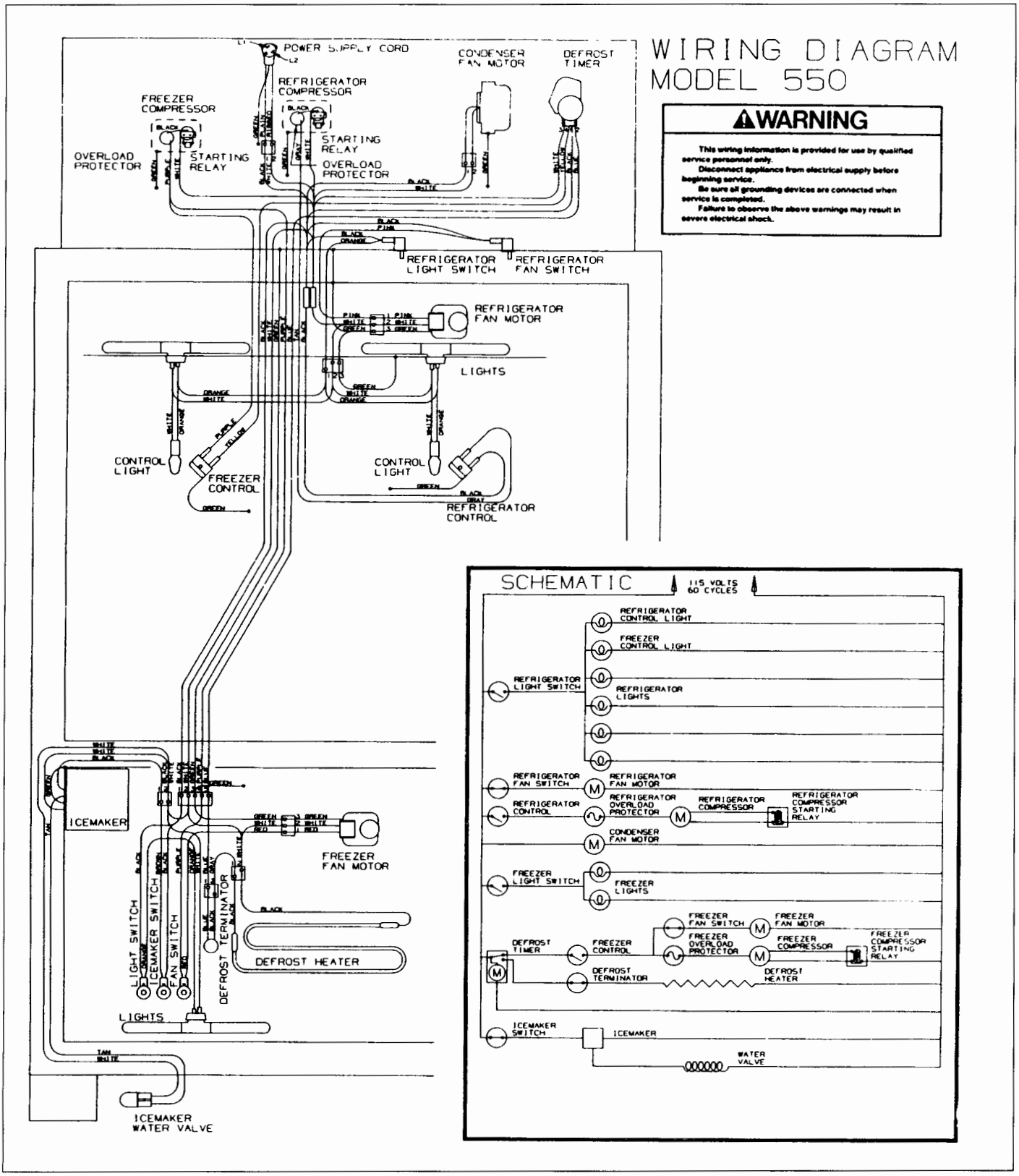
WIRING DIAGRAM & SCHEMATIC - 532
Madison/Phoenix Production Starting with Serial #M/P1004775 and Between #M964770 to #M965069, and Between #M990700 to #M990999



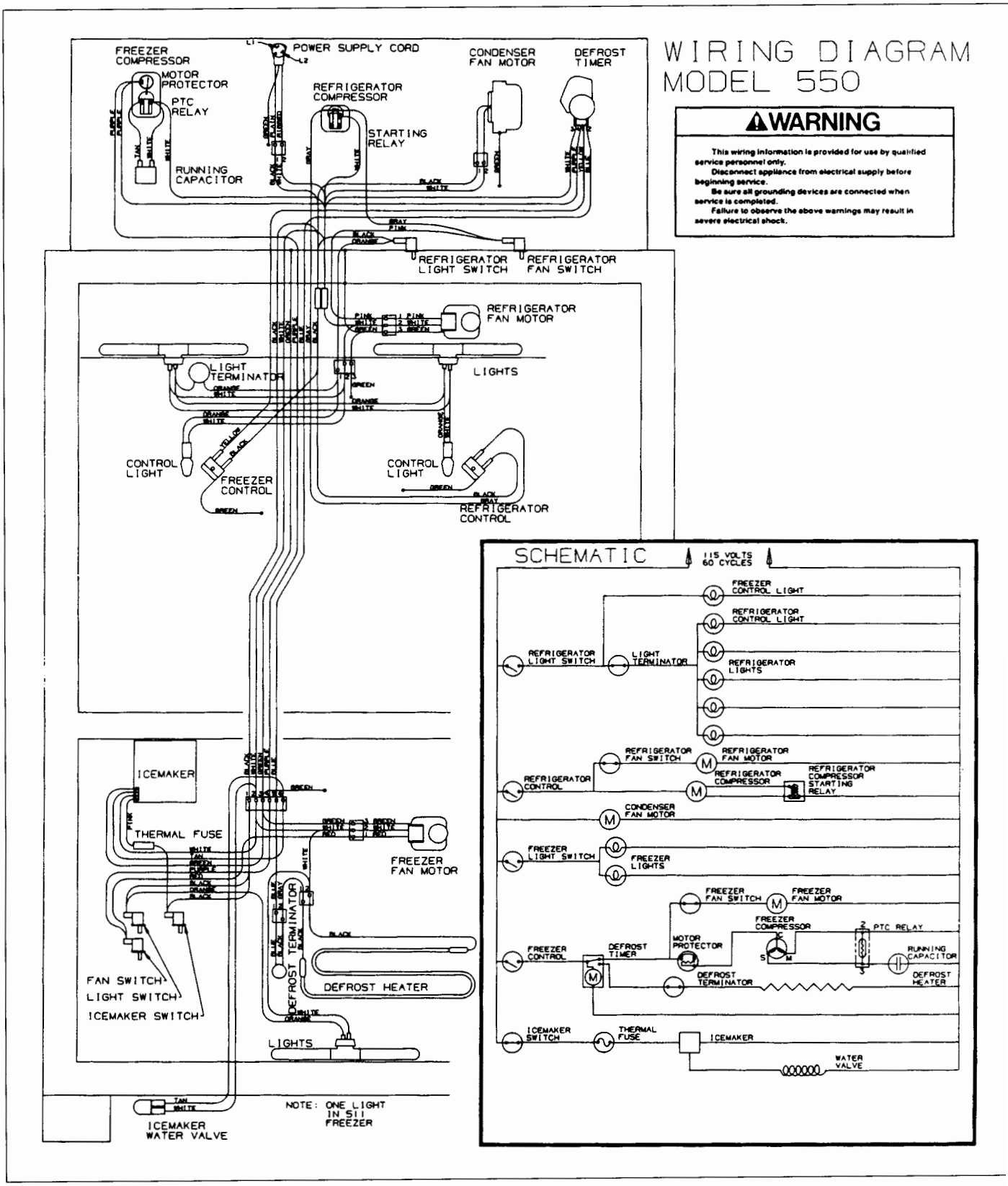
WIRING DIAGRAM & SCHEMATIC - 542



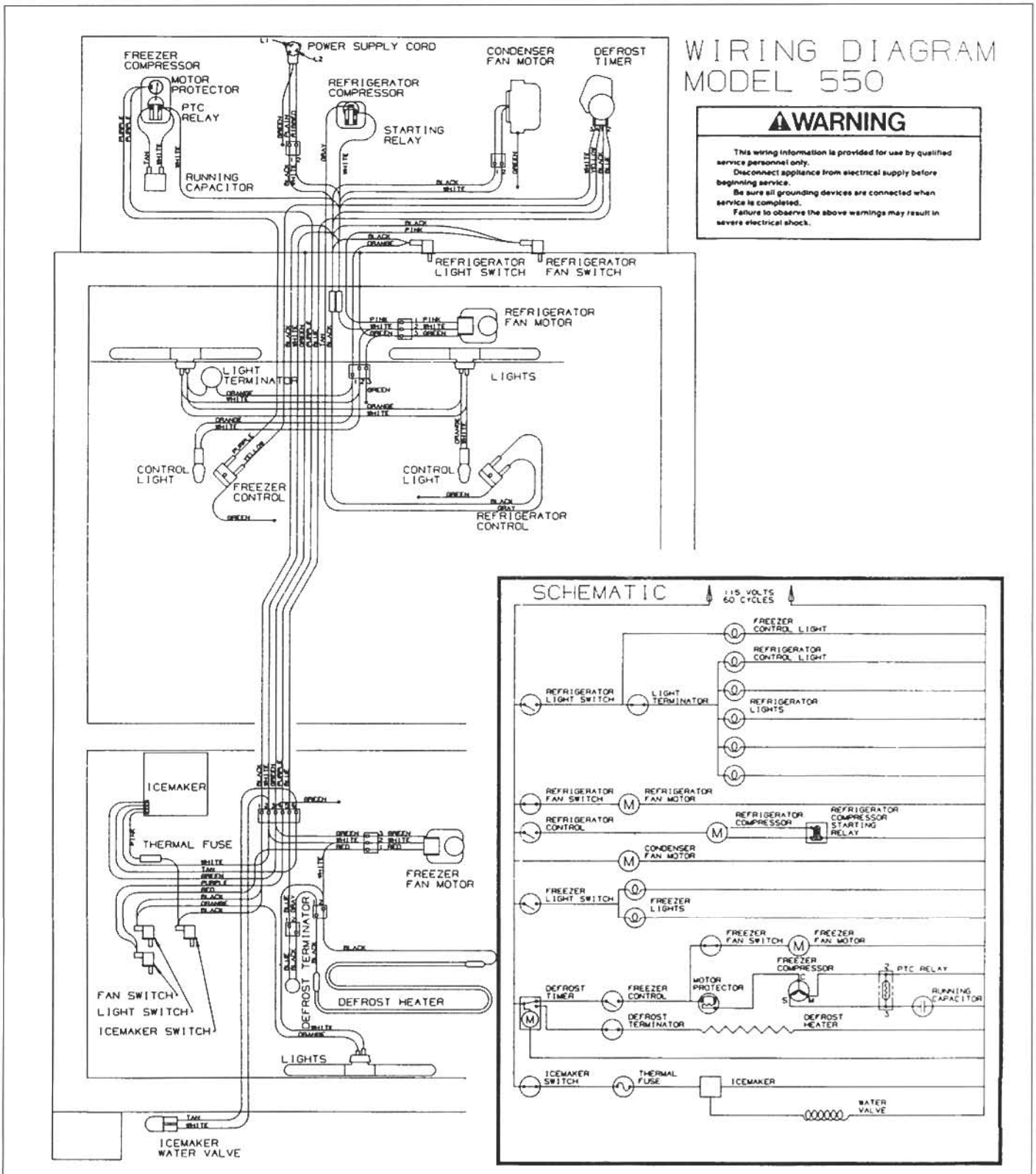
WIRING DIAGRAM & SCHEMATIC - 550
Madison Production Prior to Serial #M68116
(NOTE: See Page 6-30 for start of Phoenix Production Wiring Diagrams)



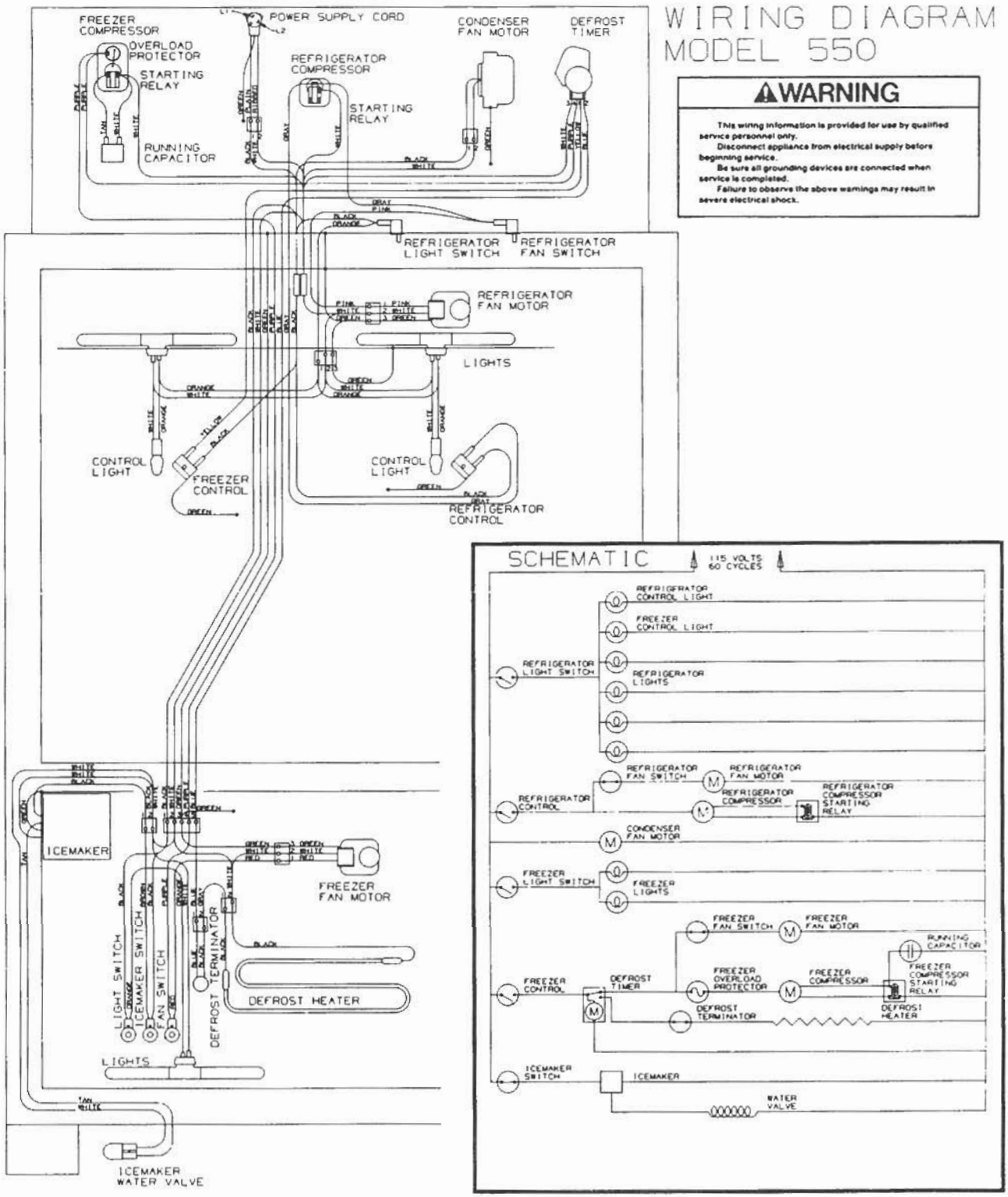
WIRING DIAGRAM & SCHEMATIC - 550
Madison Production From Serial #M681166 to #M722972



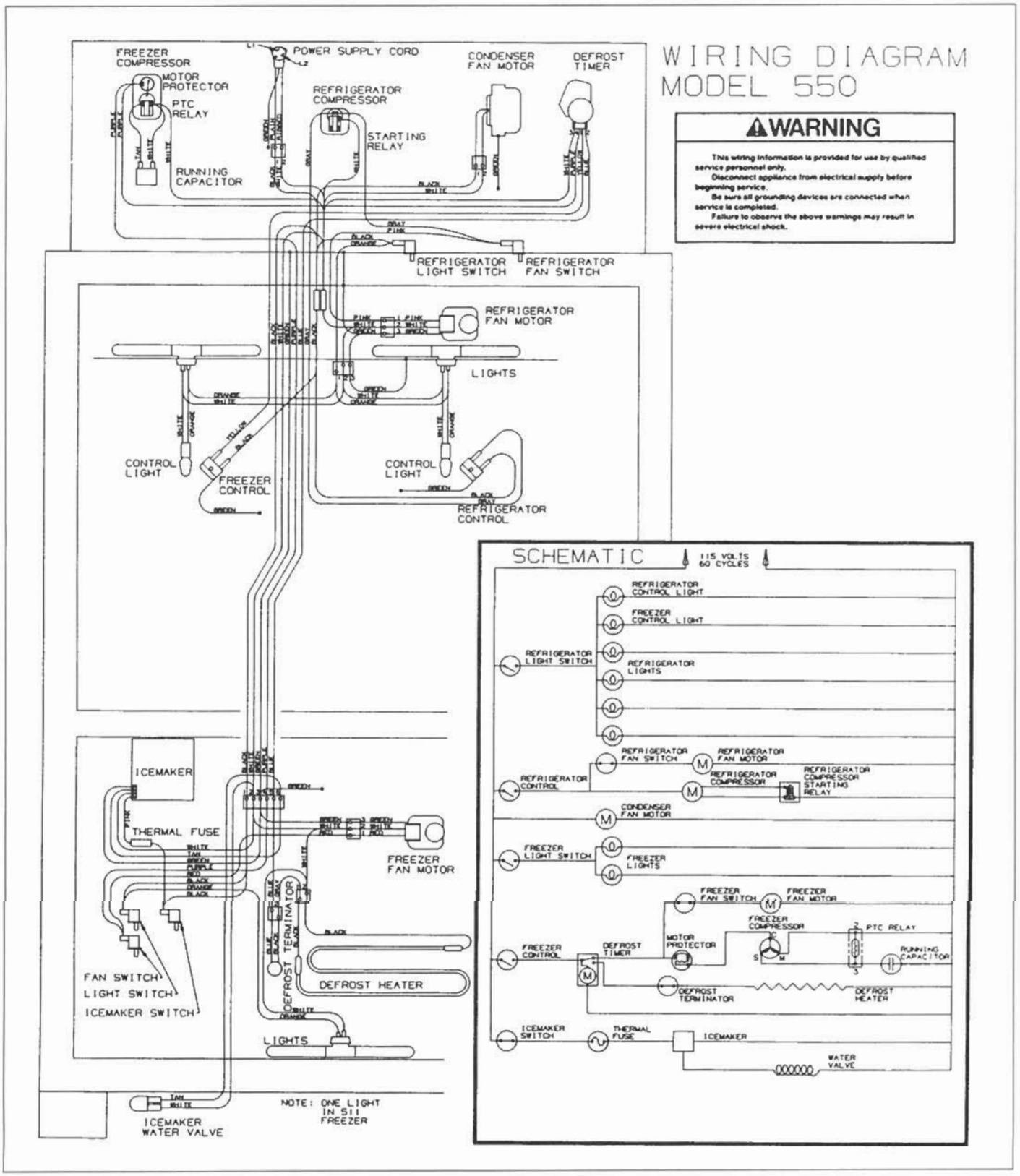
WIRING DIAGRAM & SCHEMATIC - 550
Madison Production From #M722972 to #M802554
(NOTE: See Page 6-32 for continuation of the next applicable Madison Production serial numbers)



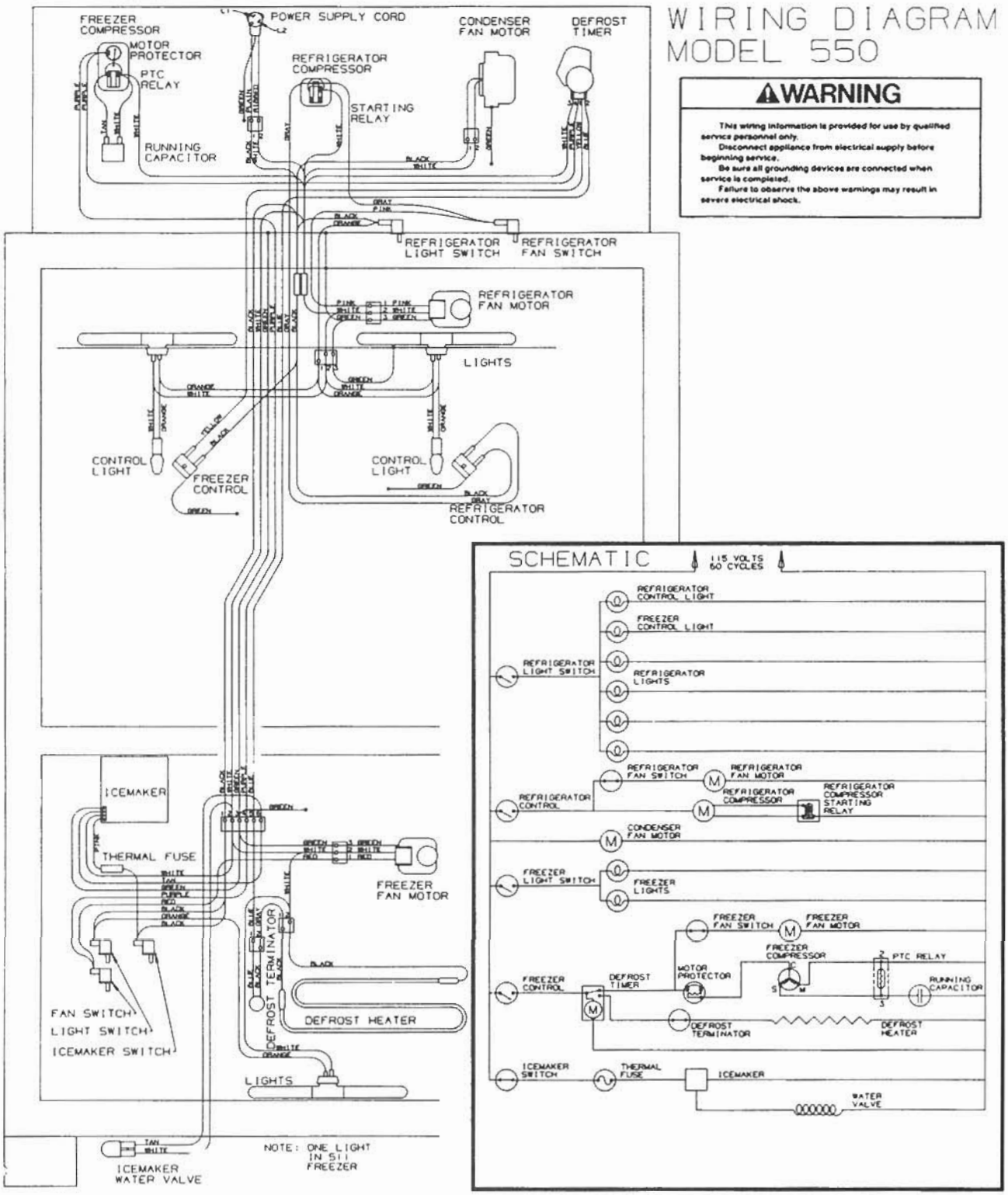
WIRING DIAGRAM & SCHEMATIC - 550
Phoenix Production Prior to #P700765



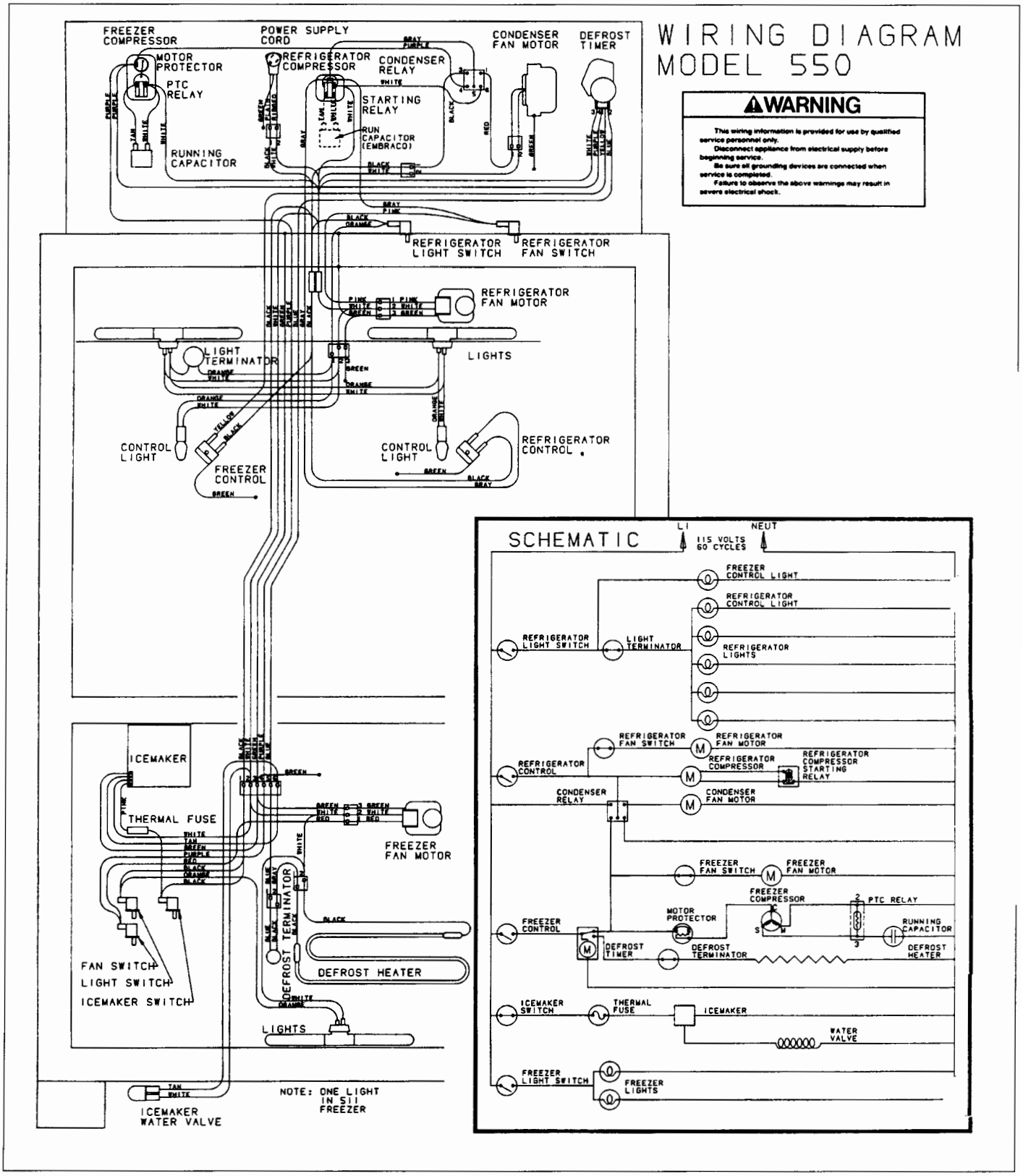
WIRING DIAGRAM & SCHEMATIC - 550
Phoenix Production From Serial #P700765 to #P721572



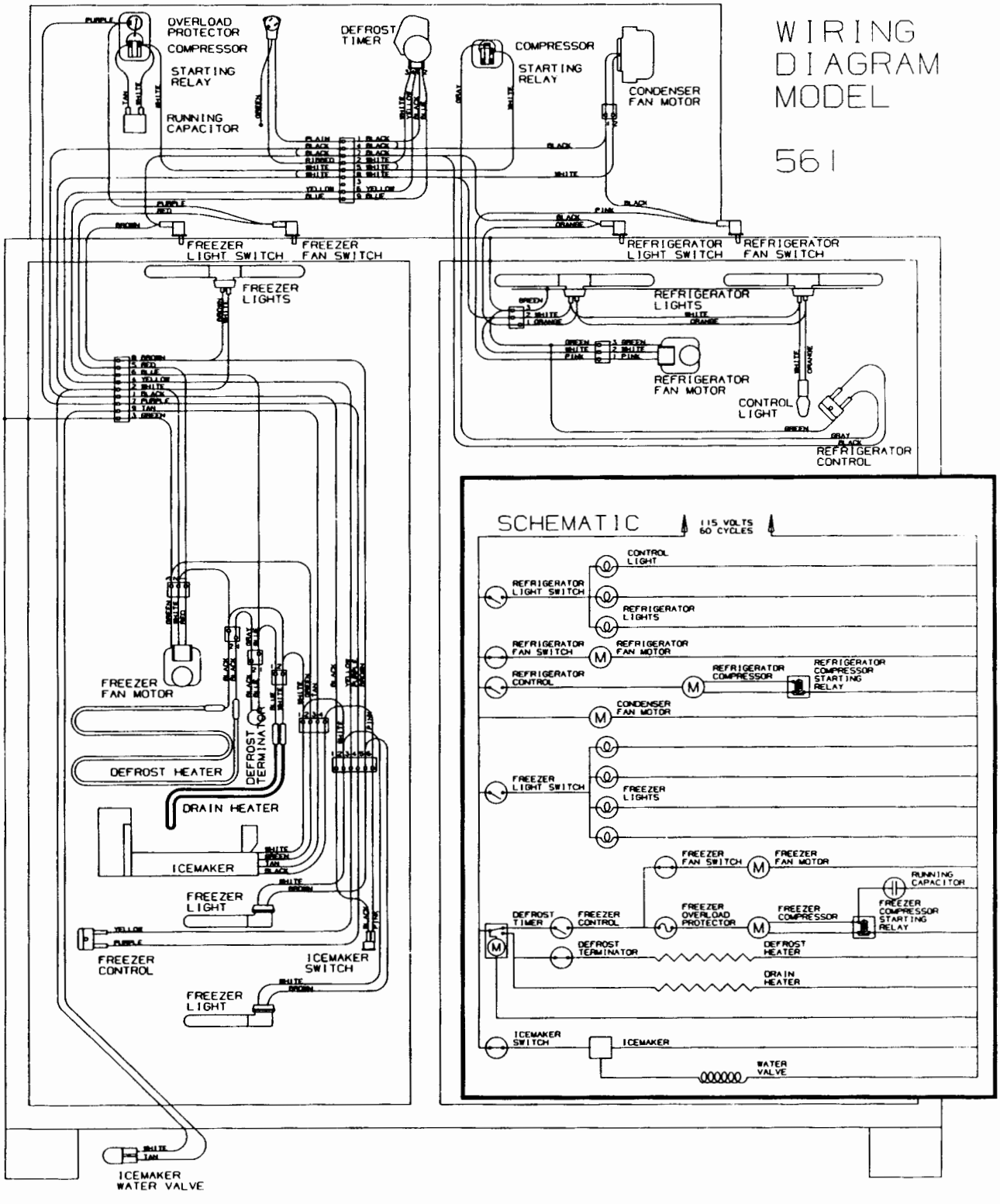
WIRING DIAGRAM & SCHEMATIC - 550
Madison/Phoenix Production From Serial #M820554/P721572 to #M/P1004775, Except Between #M964070 to #M964469, and Except Between #M984750 to #M985149



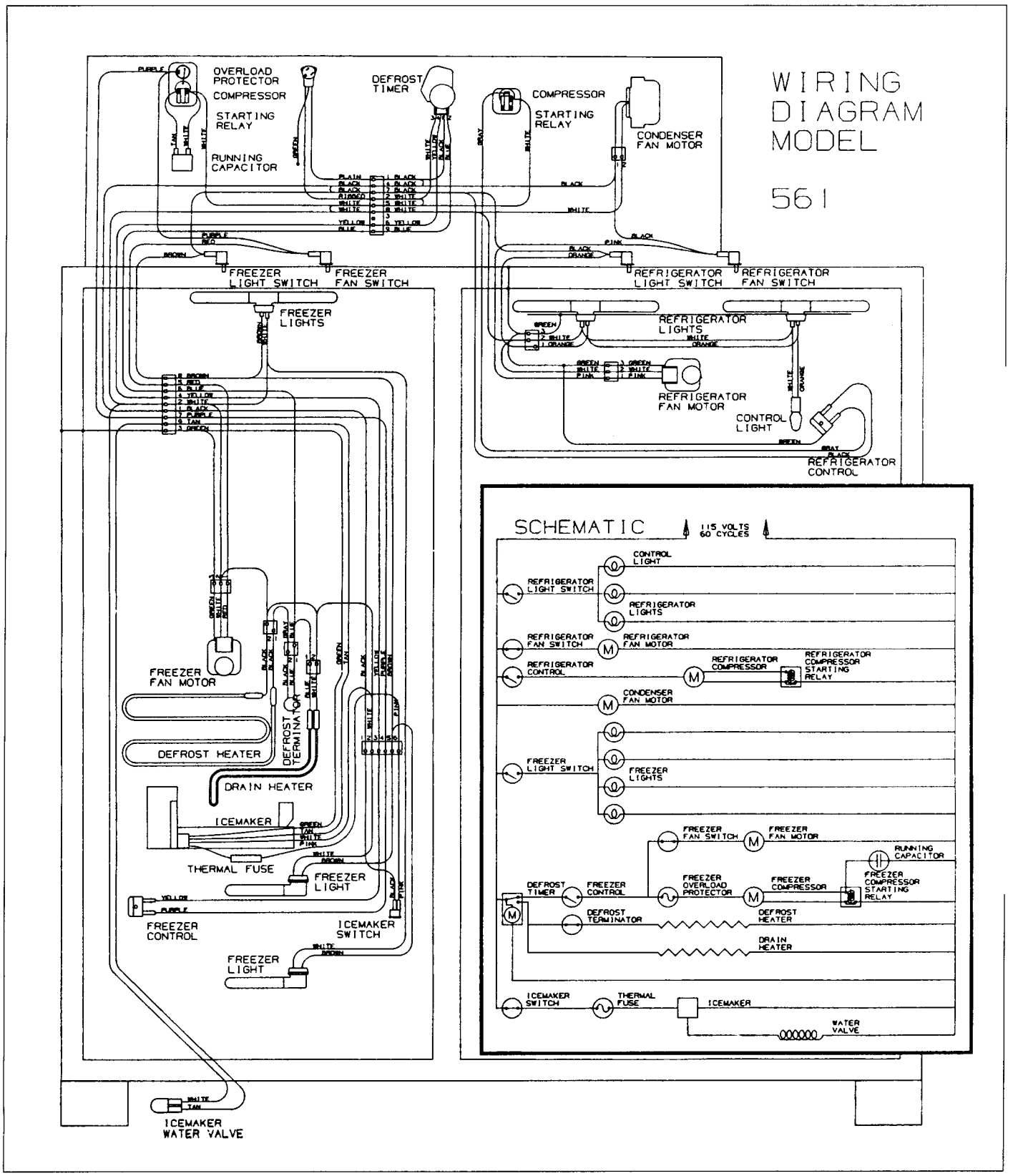
WIRING DIAGRAM & SCHEMATIC - 550
Madison/Phoenix Production Starting with Serial #M/P1004775 and Between #M964070 to #M964469, and Between #M984750 to #M985149



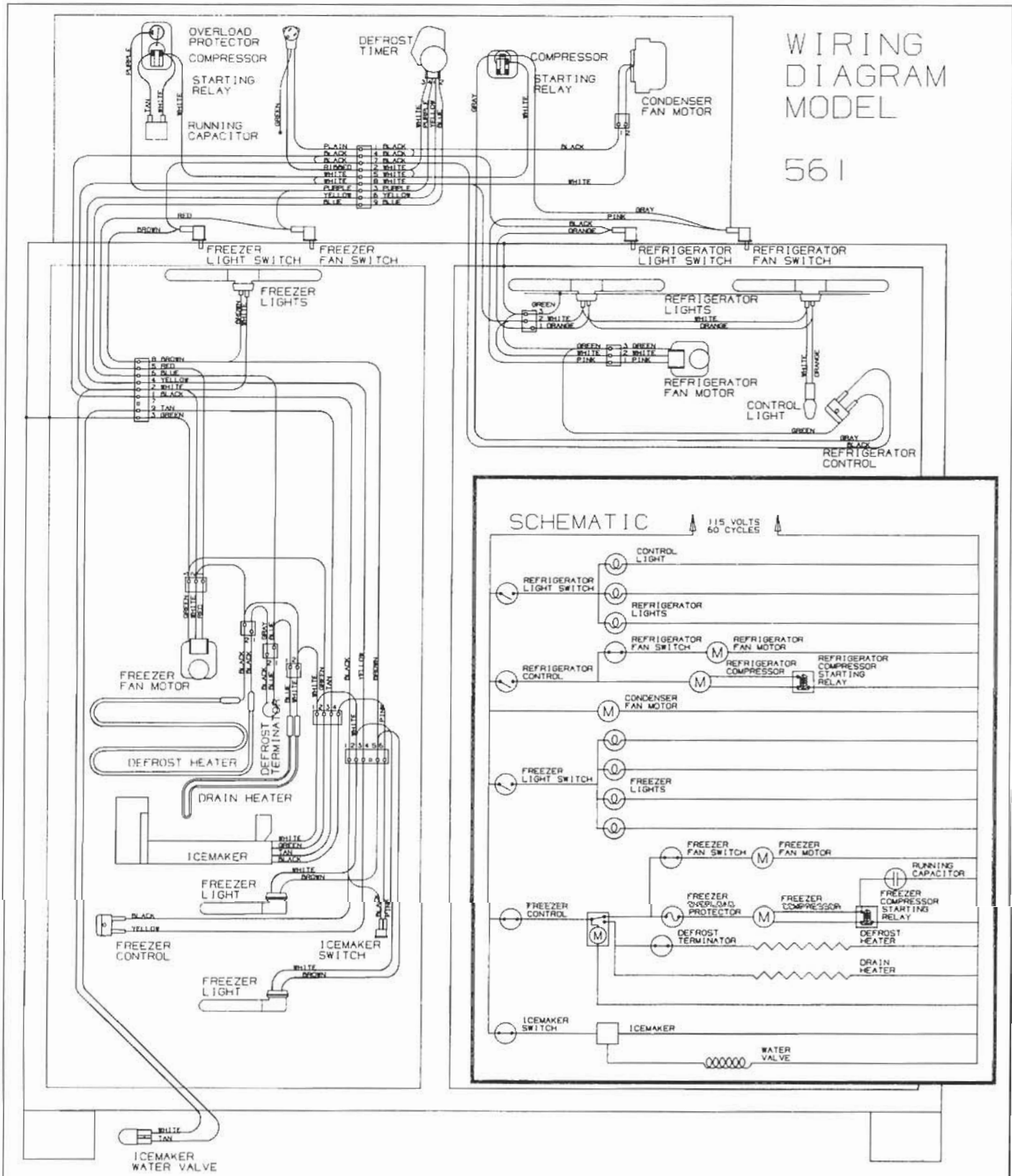
WIRING DIAGRAM & SCHEMATIC - 561
Madison Production Prior to Serial #M680766
(NOTE: See Page 6-36 for start of Phoenix Production Wiring Diagrams)



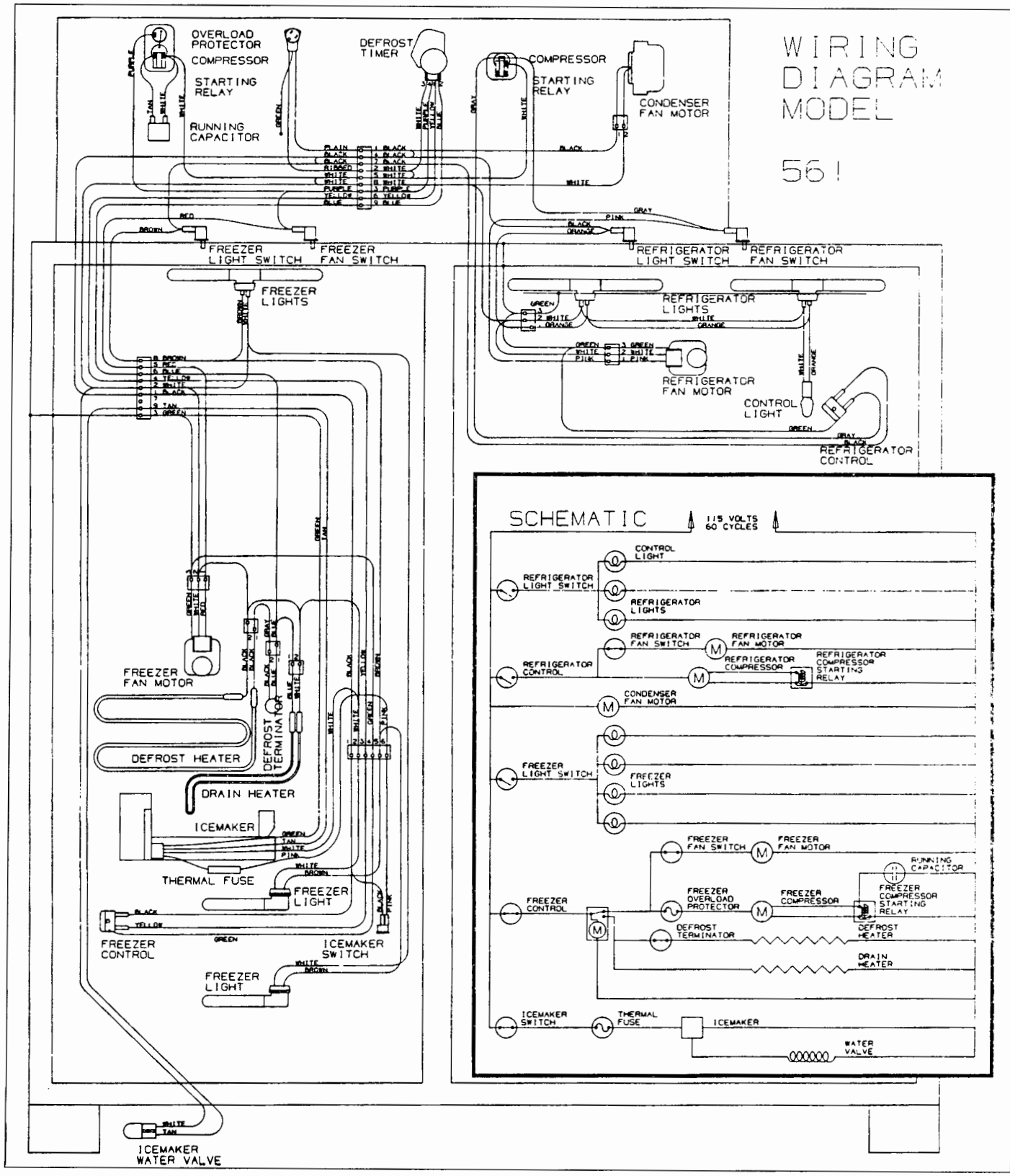
WIRING DIAGRAM & SCHEMATIC - 561
Madison Production From Serial #M680766 to #M816264
(NOTE: See Page 6-38 for continuation of the next applicable Madison Production serial numbers)



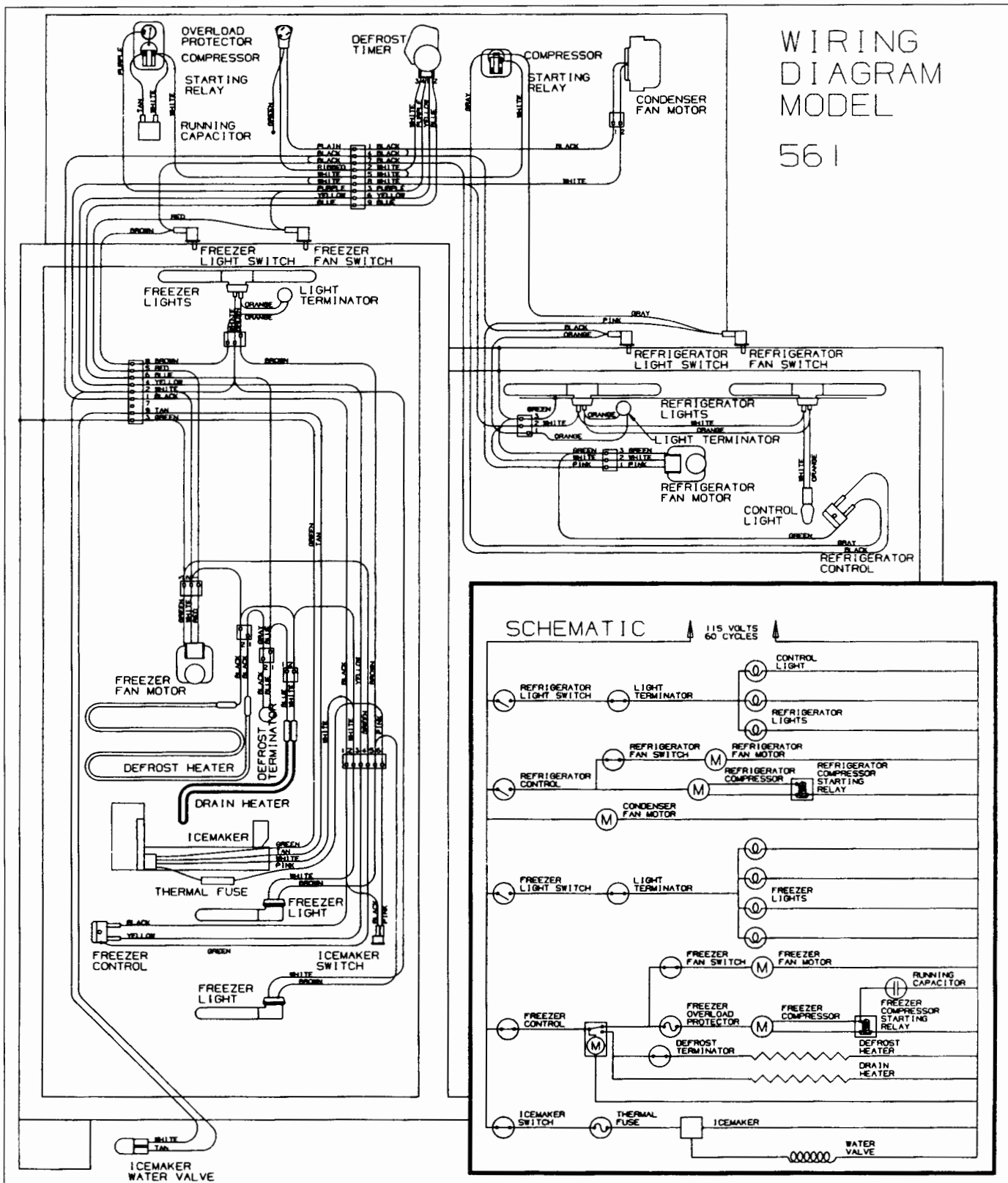
WIRING DIAGRAM & SCHEMATIC - 561
Phoenix Production Prior to Serial #P678866



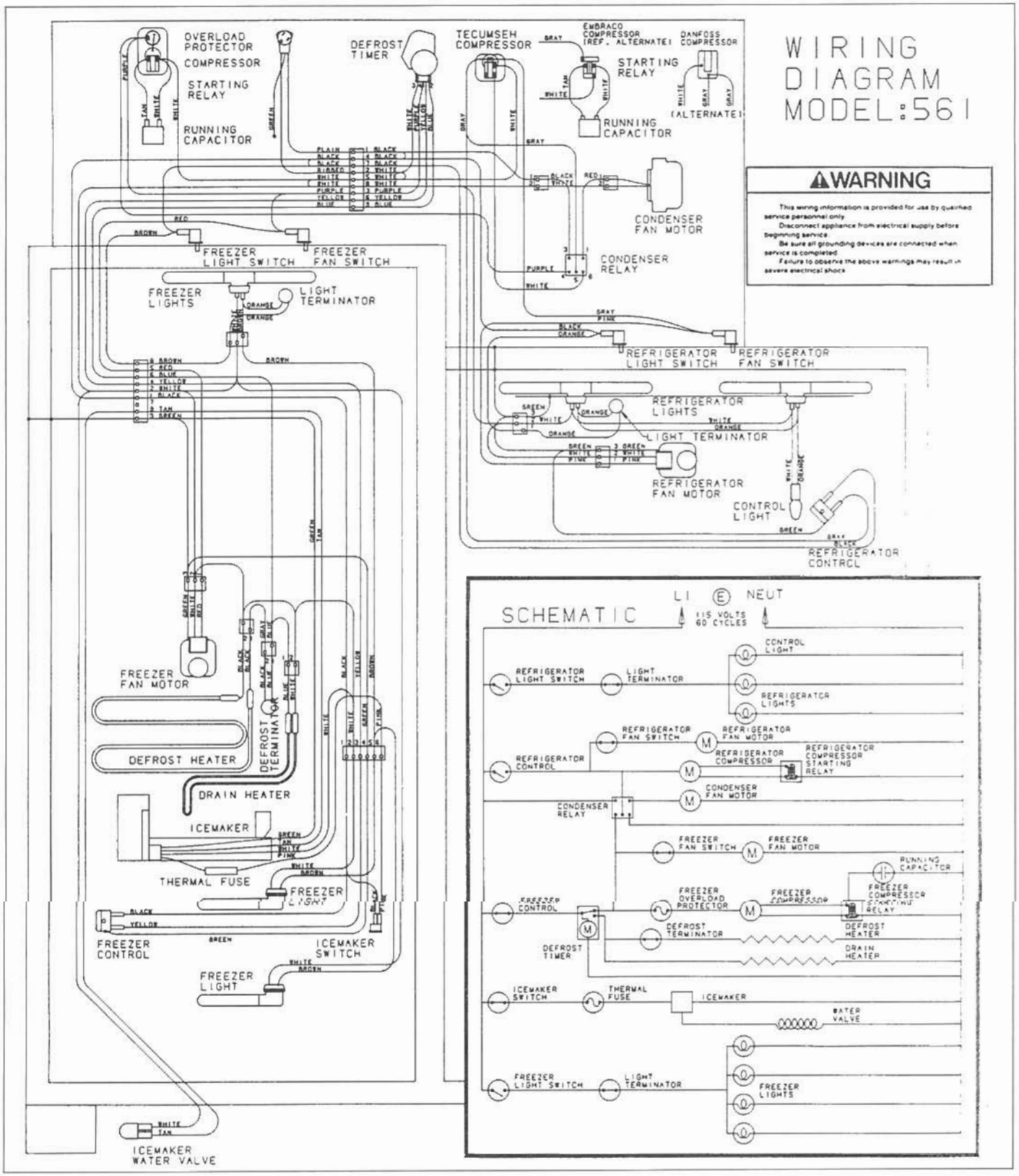
WIRING DIAGRAM & SCHEMATIC - 561
Phoenix Production From Serial #P678866 to #P725322



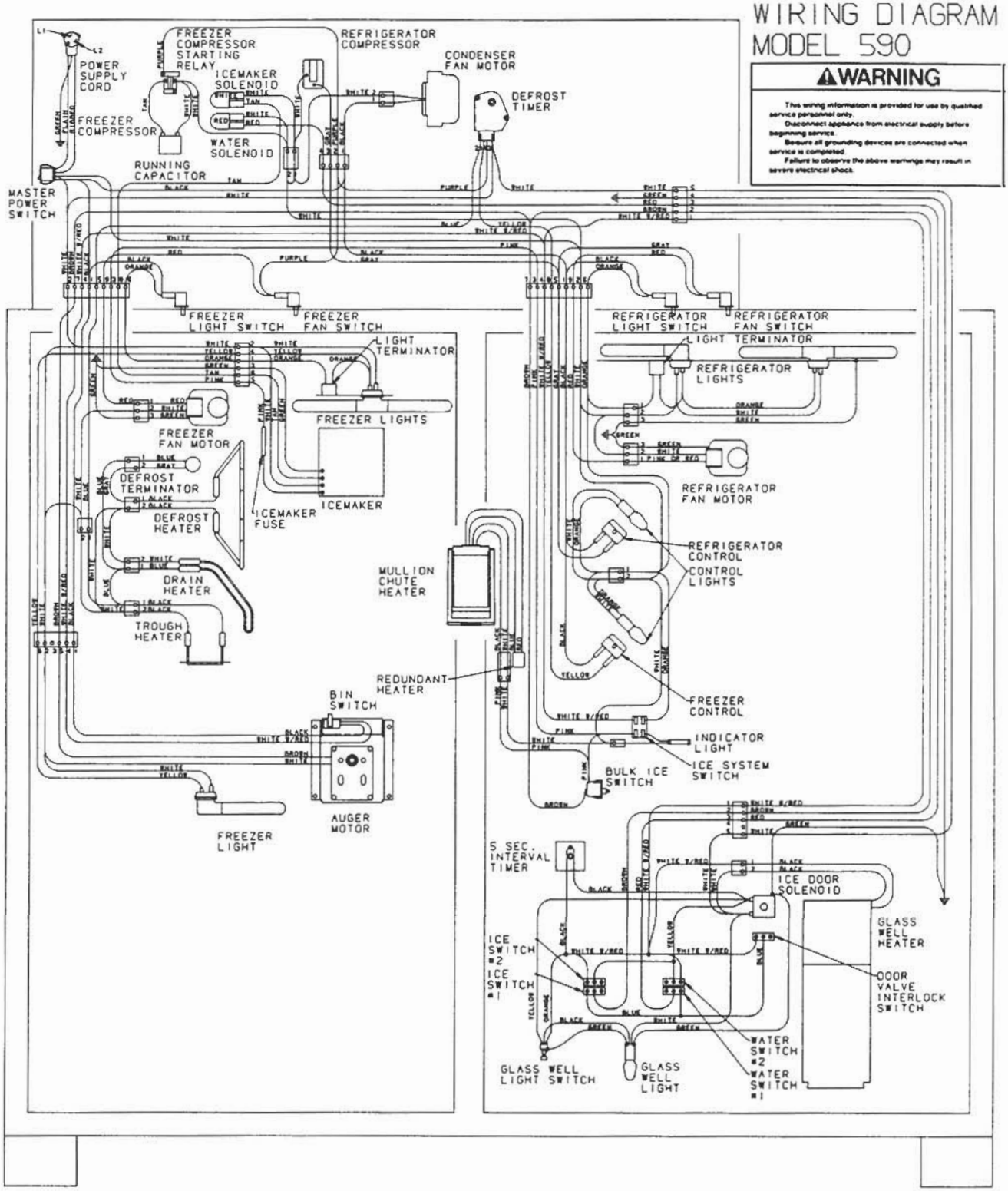
WIRING DIAGRAM & SCHEMATIC - 561
Madison/Phoenix Production From Serial #M816264/P725322 to #M/P1004775, Except Between #M965470 to #M965869



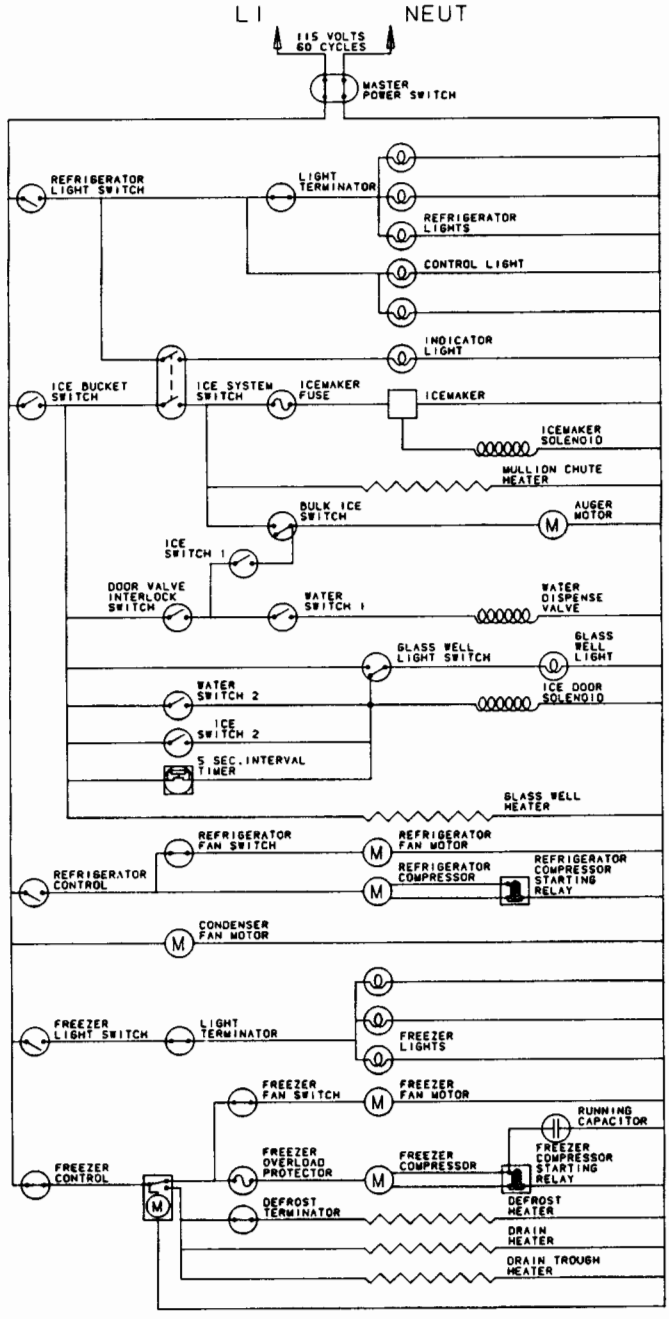
WIRING DIAGRAM & SCHEMATIC - 561
Madison/Phoenix Production Starting with Serial #M/P1004775 and Between #M965470 to #M965869



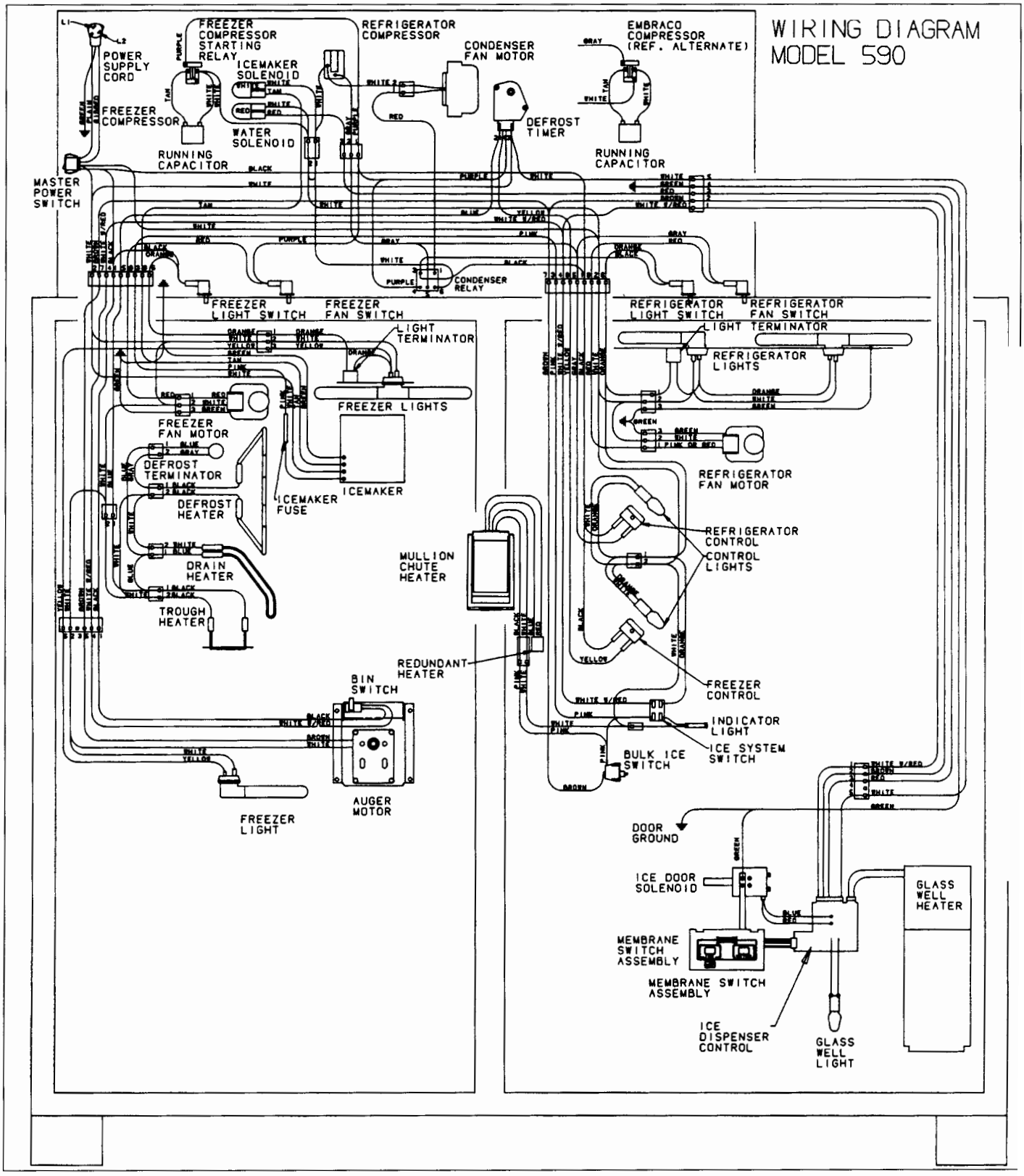
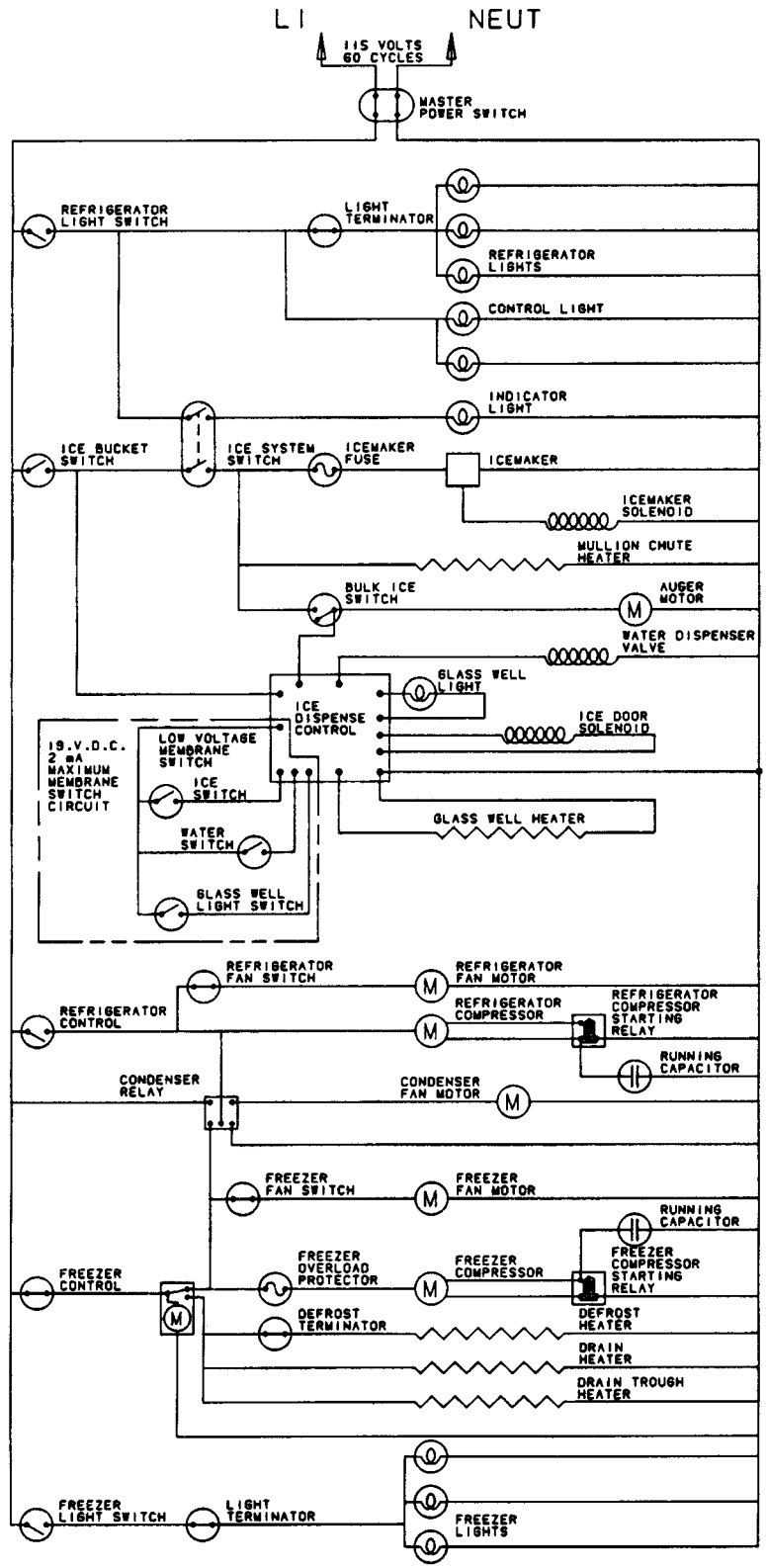
WIRING DIAGRAM - 590
Madison/Phoenix Production Prior to #M/P965870 and From #M/P966269 to #M/P1004775
(See page 6-41 for Schematic)



WIRING SCHEMATIC - 590
Madison/Phoenix Production Prior to #M/P965870 and From #M/P966269 to #M/P1004775



WIRING DIAGRAM - 590
Madison/Phoenix Production Starting with #M/P1004775 and Between #M/P965870 to #M/P966269
(See page 6-43 for Schematic)



WIRING SCHEMATIC - 590
Madison/Phoenix Production Starting with #M/P1004775 and Between #M/P965870 to #M/P966269