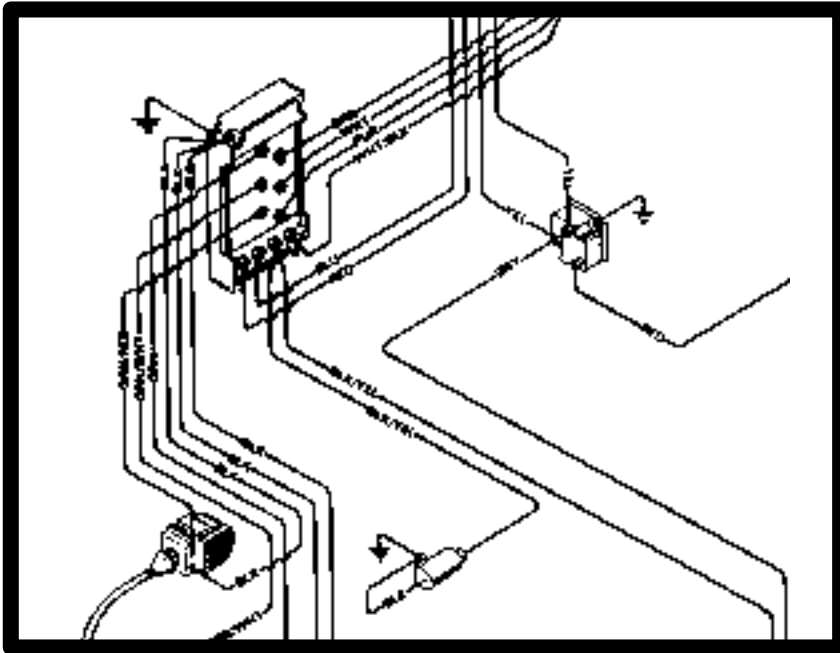




# ELECTRICAL AND IGNITION



2

D

WIRING DIAGRAMS

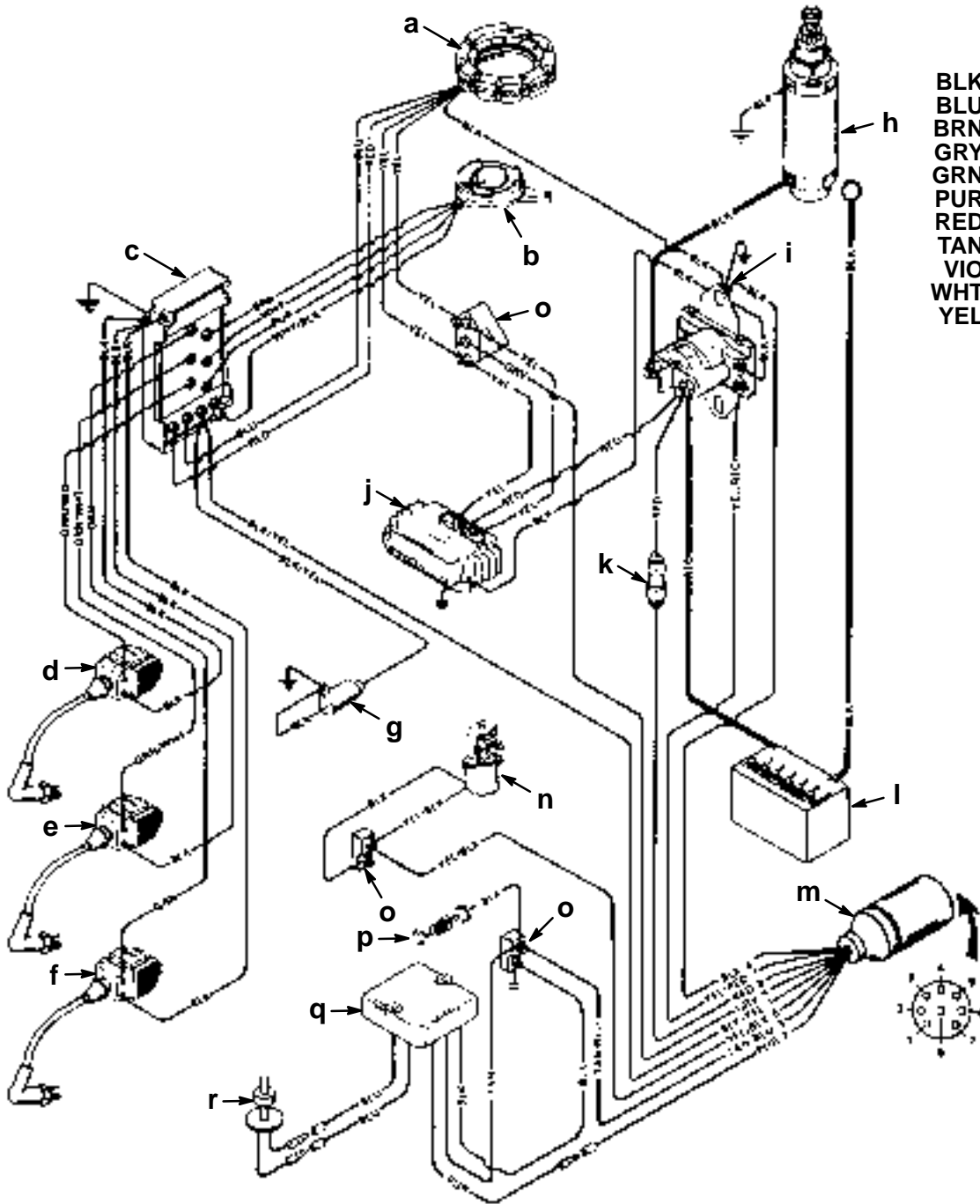


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# Engine Wiring Diagram (3 Cylinder Models With Low Oil Warning Module)



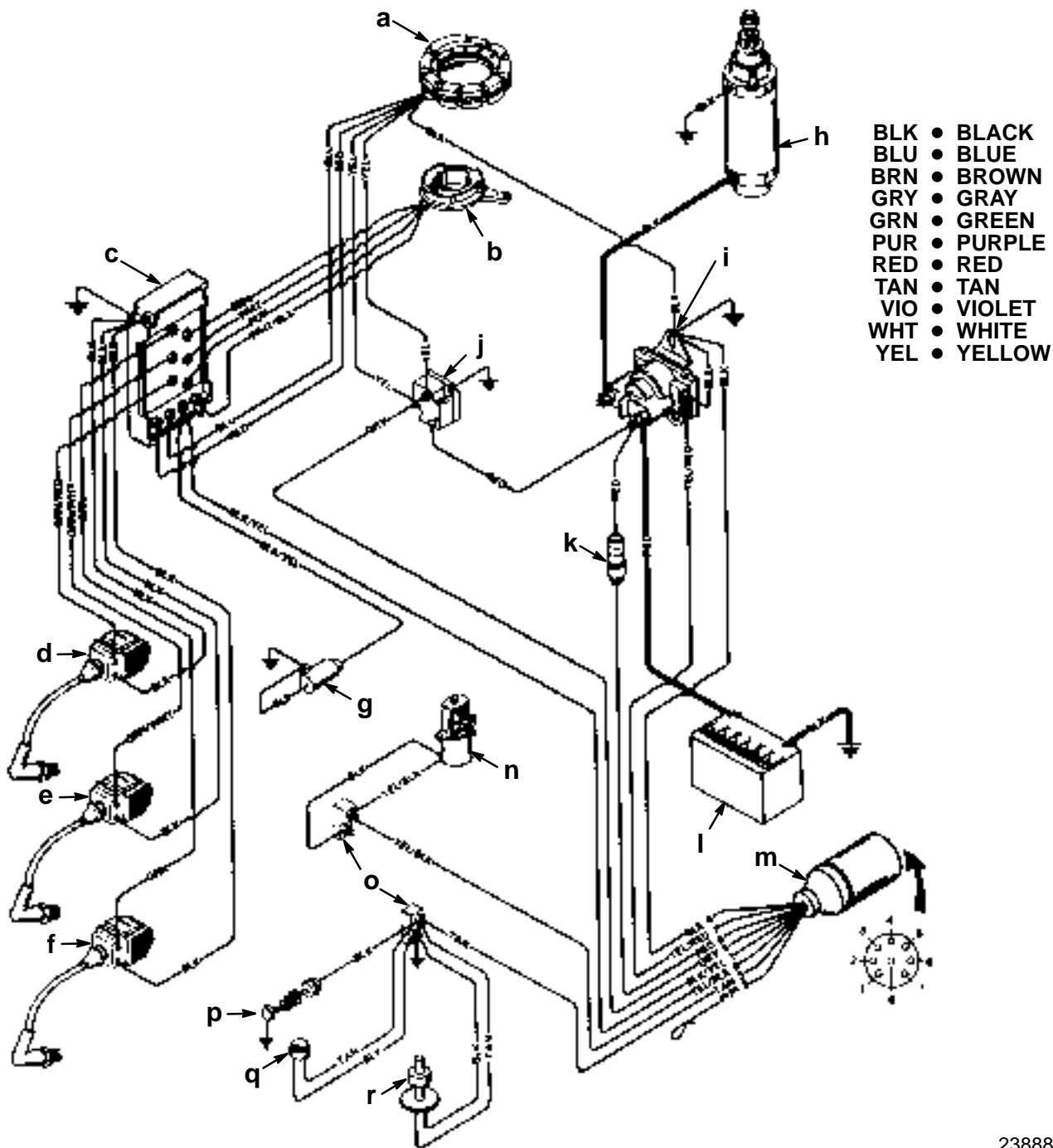
- BLK ● BLACK
- BLU ● BLUE
- BRN ● BROWN
- GRY ● GRAY
- GRN ● GREEN
- PUR ● PURPLE
- RED ● RED
- TAN ● TAN
- VIO ● VIOLET
- WHT ● WHITE
- YEL ● YELLOW

- a - Stator
- b - Trigger
- c - Switch Box
- d - Ignition Coil Cylinder No. 1
- e - Ignition Coil Cylinder No. 2
- f - Ignition Coil Cylinder No. 3
- g - Mercury (Tilt) Stop Switch
- h - Starter Motor
- i - Starter Solenoid
- j - Voltage Regulator/Rectifier
- k - Fuse Holder (20 Amp Fuse)
- l - Battery
- m - Wiring Harness Connector
- n - Enrichment Valve
- o - Terminal Block
- p - Temperature Switch – Opens [170°F ± 8° (77°C ± 8°)]  
Closes [190°F ± 8° (88°C ± 8°)]
- q - Low Oil Warning Module
- r - Low Oil Sensor

50388



# Engine Wiring Diagram (3 Cylinder Models Without Low Oil Warning Module)



- BLK ● BLACK
- BLU ● BLUE
- BRN ● BROWN
- GRY ● GRAY
- GRN ● GREEN
- PUR ● PURPLE
- RED ● RED
- TAN ● TAN
- VIO ● VIOLET
- WHT ● WHITE
- YEL ● YELLOW

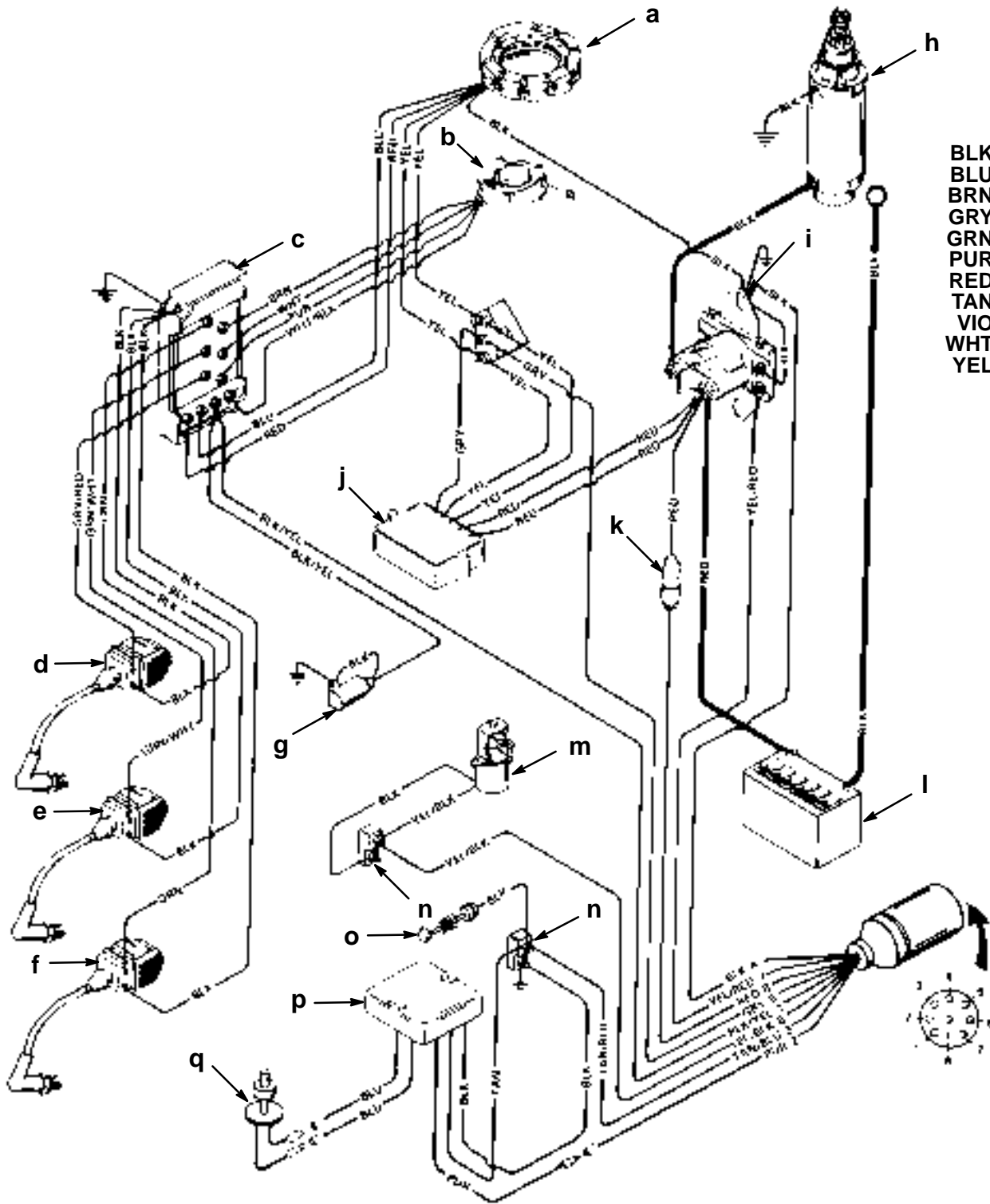
- a - Stator
- b - Trigger
- c - Switch Box
- d - Ignition Coil Cylinder No. 1
- e - Ignition Coil Cylinder No. 2
- f - Ignition Coil Cylinder No. 3
- g - Mercury (Tilt) Stop Switch
- h - Starter Motor
- i - Starter Solenoid

- j - Rectifier
- k - Fuse Holder (20 Amp Fuse)
- l - Battery
- m - Wiring Harness Connector
- n - Enrichment Valve
- o - Terminal Block
- p - Temperature Switch – Opens [170°F ± 8° (77°C ± 8°)]  
Closes [190°F ± 8° (88°C ± 8°)]
- q - Test Button
- r - Low Oil Sensor

23888



# Engine Wiring Diagram (3 Cylinder Models With Small Voltage Regulator/Rectifier)

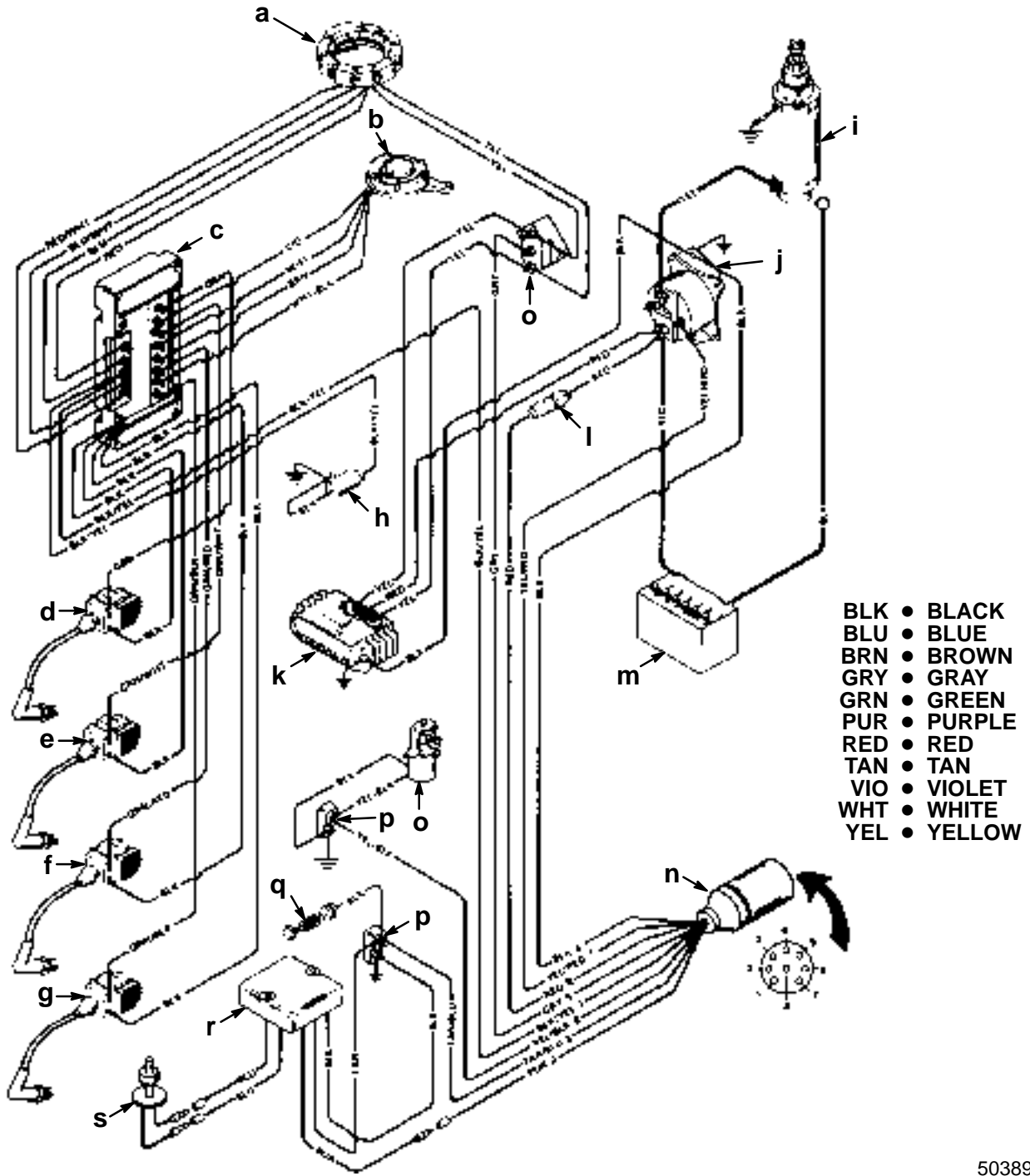


- BLK ● BLACK
- BLU ● BLUE
- BRN ● BROWN
- GRY ● GRAY
- GRN ● GREEN
- PUR ● PURPLE
- RED ● RED
- TAN ● TAN
- VIO ● VIOLET
- WHT ● WHITE
- YEL ● YELLOW

- a - Stator
- b - Trigger
- c - Switch Box
- d - Ignition Coil Cylinder No. 1
- e - Ignition Coil Cylinder No. 2
- f - Ignition Coil Cylinder No. 3
- g - Mercury Switch
- h - Starter Motor
- i - Starter Solenoid
- j - Voltage Regulator/Rectifier
- k - 20 Amp Fuse
- l - Battery
- m - Fuel Enrichment Valve
- n - Terminal Block
- o - Overheat Temperature Sensor
- p - Warning Module
- q - Low Oil Sensor (Float)



# Engine Wiring Diagram (4 Cylinder Models)



- BLK ● BLACK
- BLU ● BLUE
- BRN ● BROWN
- GRY ● GRAY
- GRN ● GREEN
- PUR ● PURPLE
- RED ● RED
- TAN ● TAN
- VIO ● VIOLET
- WHT ● WHITE
- YEL ● YELLOW

50389

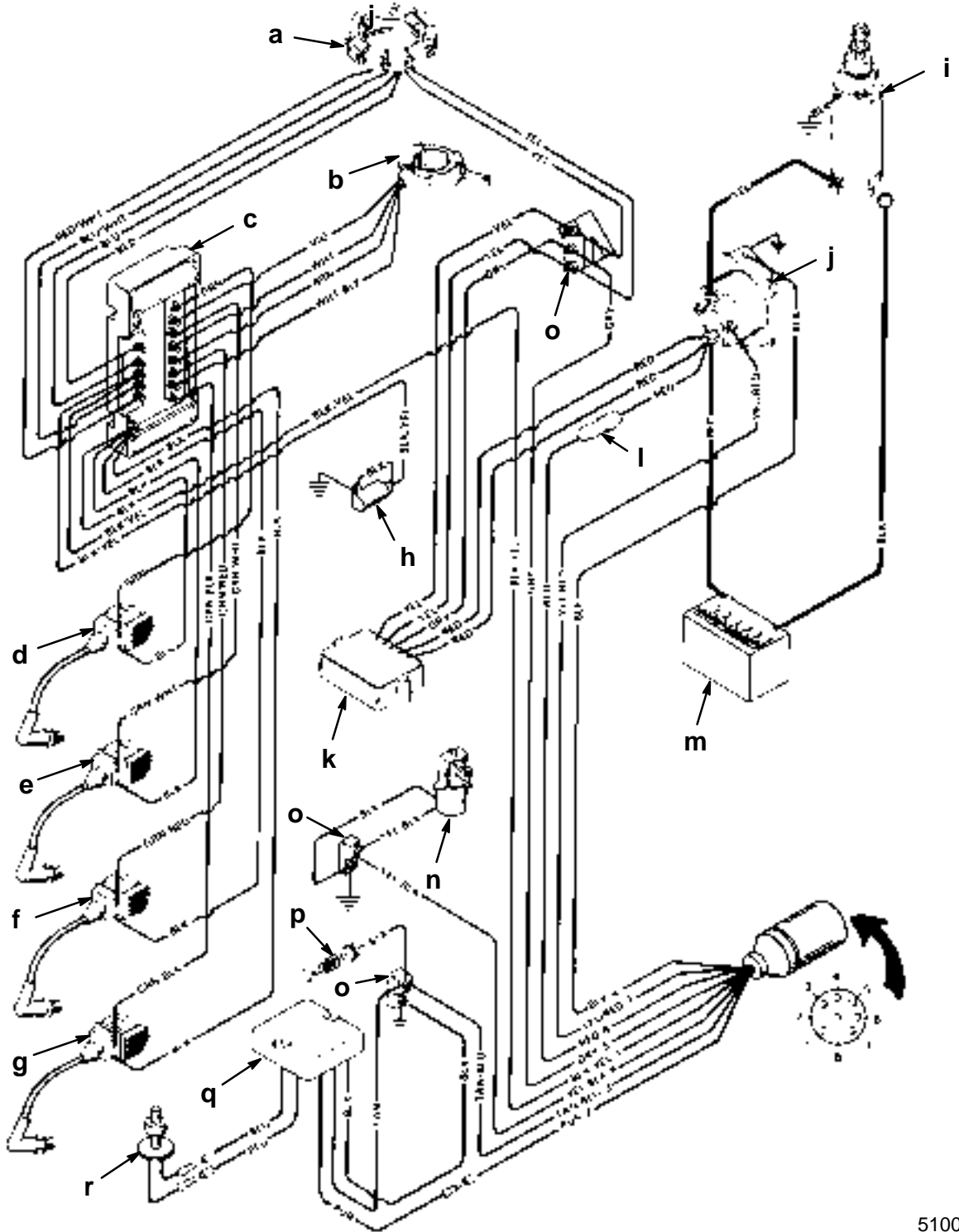
- a - Stator
- b - Trigger
- c - Switch Box
- d - Ignition Coil Cylinder No. 1
- e - Ignition Coil Cylinder No. 2
- f - Ignition Coil Cylinder No. 3
- g - Ignition Coil Cylinder No. 4
- h - Mercury (Tilt) Stop Switch
- i - Starter Motor
- j - Starter Solenoid

- k - Voltage Regulator/Rectifier
- l - Fuse Holder (20 Amp Fuse)
- m - Battery
- n - Wiring Harness Connector
- o - Enrichment Valve
- p - Terminal Block
- q - Temperature Switch – Opens [170°F ± 8° (77°C ± 8°)]  
Closes [190°F ± 8° (88°C ± 8°)]
- r - Low Oil Warning Module
- s - Low Oil Sensor



# Engine Wiring Diagram (4 Cylinder Models With Small Voltage Regulator/Rectifier)

- BLK ● BLACK
- BLU ● BLUE
- BRN ● BROWN
- GRY ● GRAY
- GRN ● GREEN
- PUR ● PURPLE
- RED ● RED
- TAN ● TAN
- VIO ● VIOLET
- WHT ● WHITE
- YEL ● YELLOW

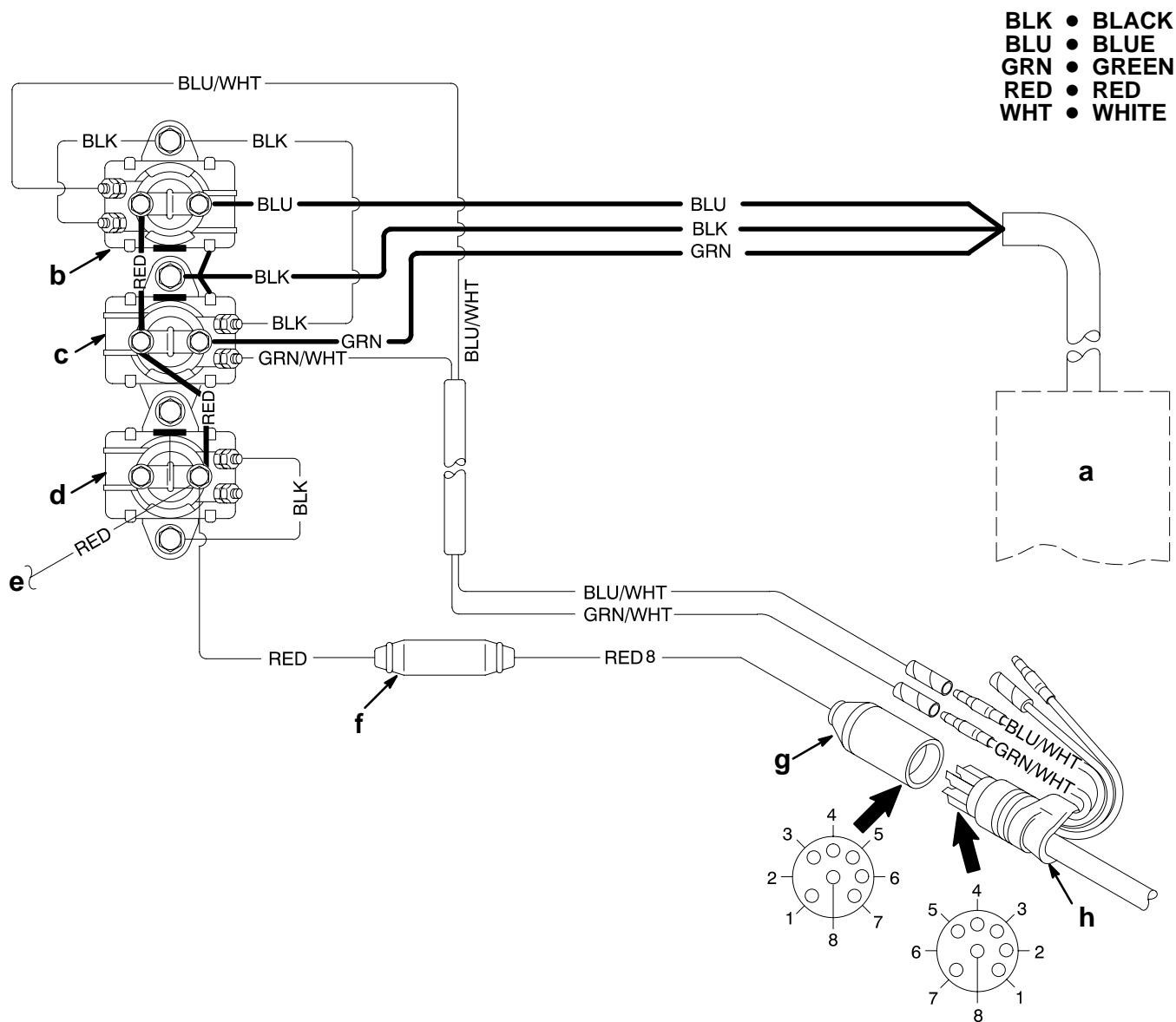


- a - Stator
- b - Trigger
- c - Switch Box
- d - Ignition Coil Cylinder No. 1
- e - Ignition Coil Cylinder No. 2
- f - Ignition Coil Cylinder No. 3
- g - Ignition Coil Cylinder No. 4
- h - Mercury Switch
- i - Starter Motor
- j - Starter Solenoid
- k - Voltage Regulator/Rectifier
- l - 20 Amp Fuse
- m - Battery
- n - Fuel Enrichment Valve
- o - Terminal Block
- p - Overheat Sensor
- q - Warning Module
- r - Low Oil Sensor (Float)

51002



# Power Trim System Wiring Diagram (3 Cylinder Models Using COMMANDER 2000 Side Mount Remote Control)



23886

- a - Power Trim Pump Motor
- b - Trim Solenoid "UP"
- c - Trim Solenoid "DOWN"
- d - Engine Starter Motor Solenoid

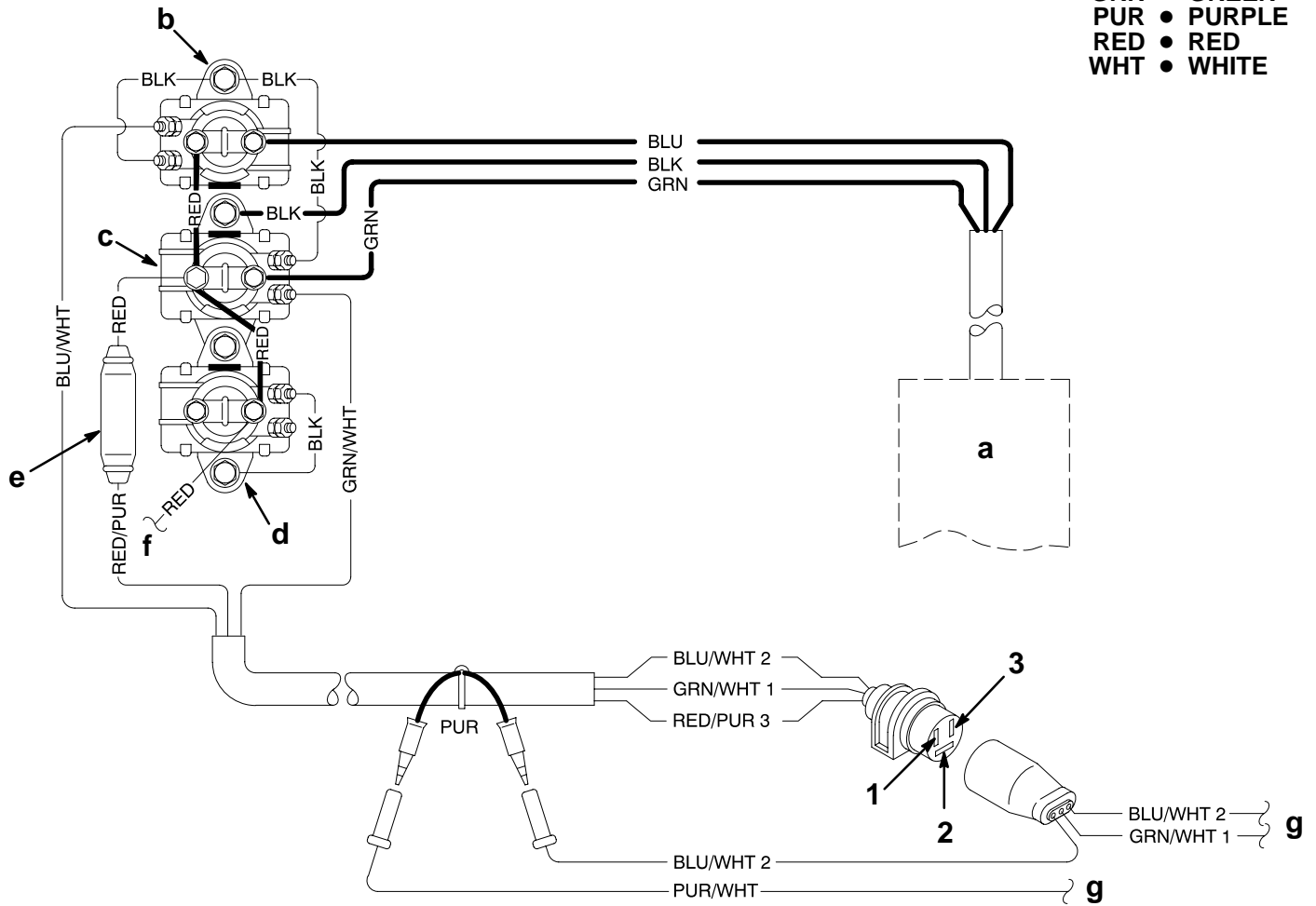
- e - Red (+) Battery Cable
- f - Fuse Holder (20 Amp Fuse)
- g - Engine Wiring Harness Connector
- h - Remote Control Wiring Harness Connector





# Power Trim System Wiring Diagram (3 Cylinder Models Using COMMANDER Side Mount Remote Control)

- BLK • BLACK
- BLU • BLUE
- GRN • GREEN
- PUR • PURPLE
- RED • RED
- WHT • WHITE



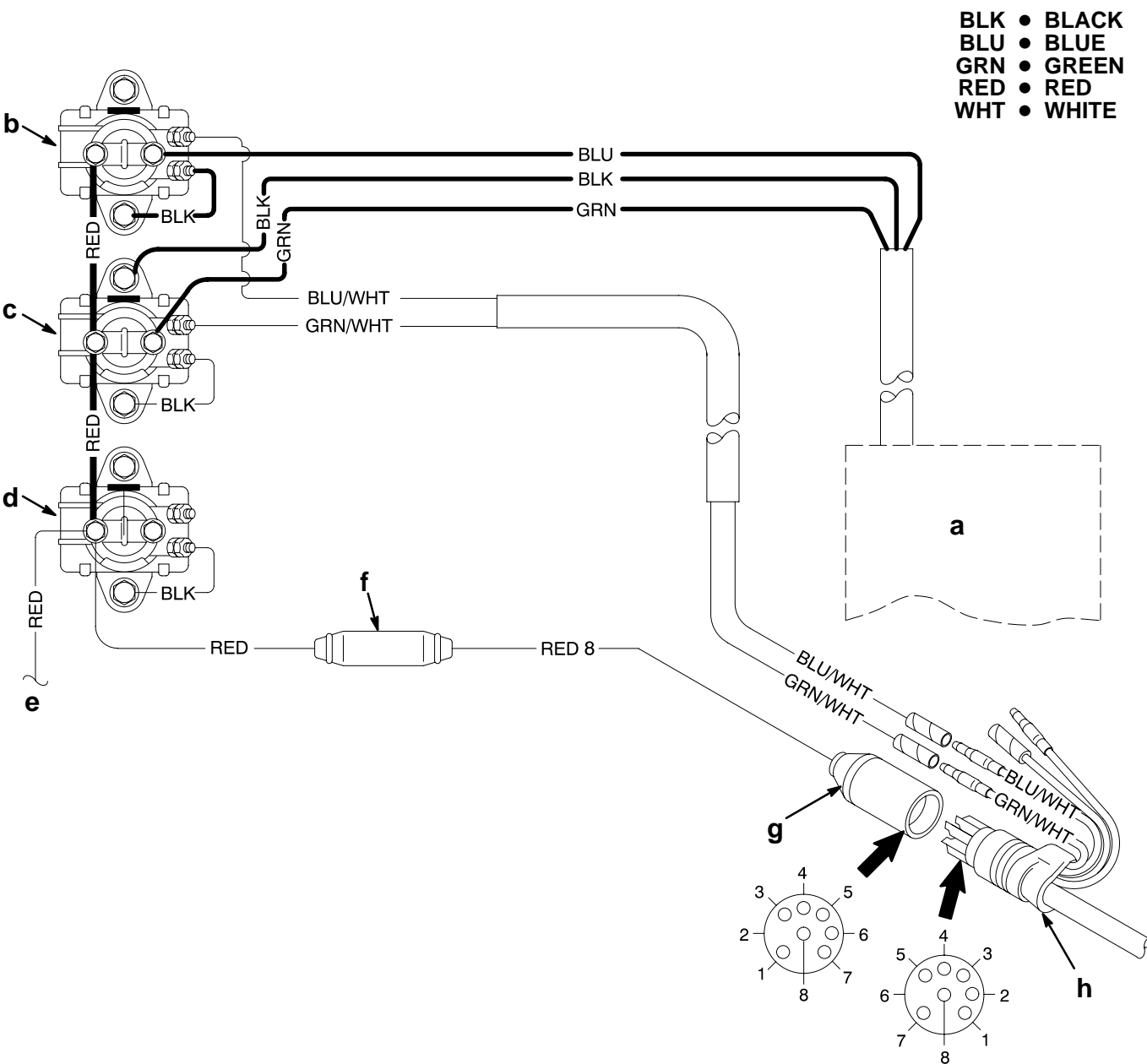
- a - Power Trim Pump Motor
- b - Trim Solenoid "UP"
- c - Trim Solenoid "DOWN"
- d - Engine Starter Motor Solenoid

- e - Fuse Holder (20 Amp Fuse)
- f - Red (+) Battery Cable
- g - Wires from Remote Control

23884



# Power Trim System Wiring Diagram (4 Cylinder Models Using COMMANDER 2000 Side Mount Remote Control)



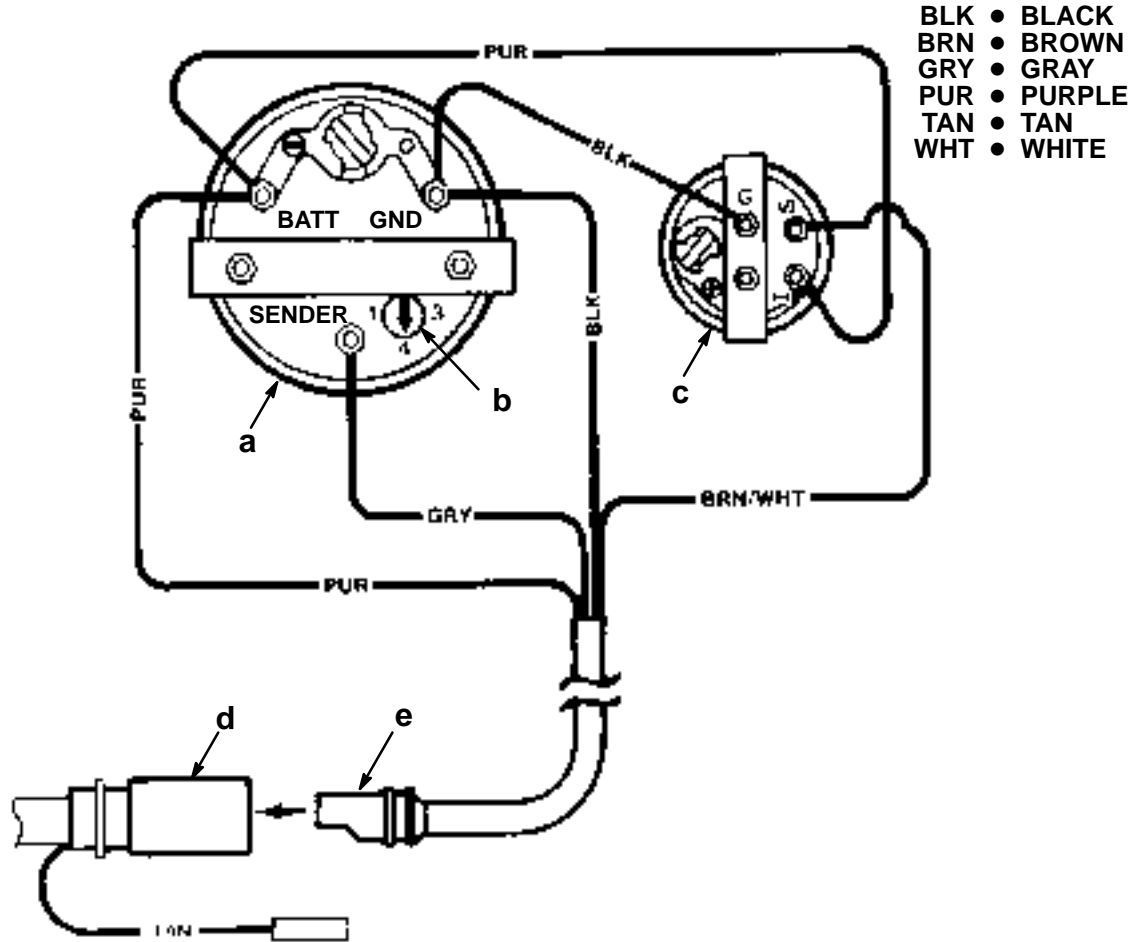
23885

- a - Power Trim Pump Motor
- b - Trim Solenoid "UP"
- c - Trim Solenoid "DOWN"
- d - Engine Starter Motor Solenoid

- e - Red (+) Battery Cable
- f - Fuse Holder (20 Amp Fuse)
- g - Engine Wiring Harness Connector
- h - Remote Control Wiring Harness Connector



# Tachometer (With Adjustable Dial) and Trim Indicator Gauge Wiring Diagram



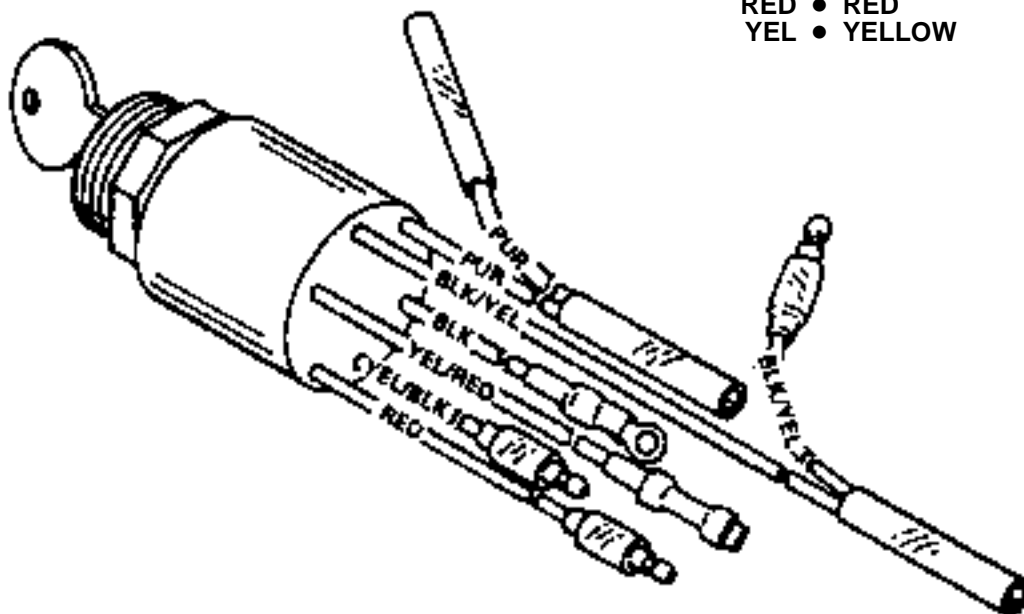
a - Tachometer  
 b - Position Dial to Point Toward "4"  
 c - Trim Indicator Gauge (Optional)

d - Tachometer/Accessories Harness Plug from Remote Control  
 e - Tachometer/Accessories Harness



## Key/Choke Switch Continuity Test (COMMANDER 2000 Side Mount Remote Control)

BLK • BLACK  
PUR • PURPLE  
RED • RED  
YEL • YELLOW



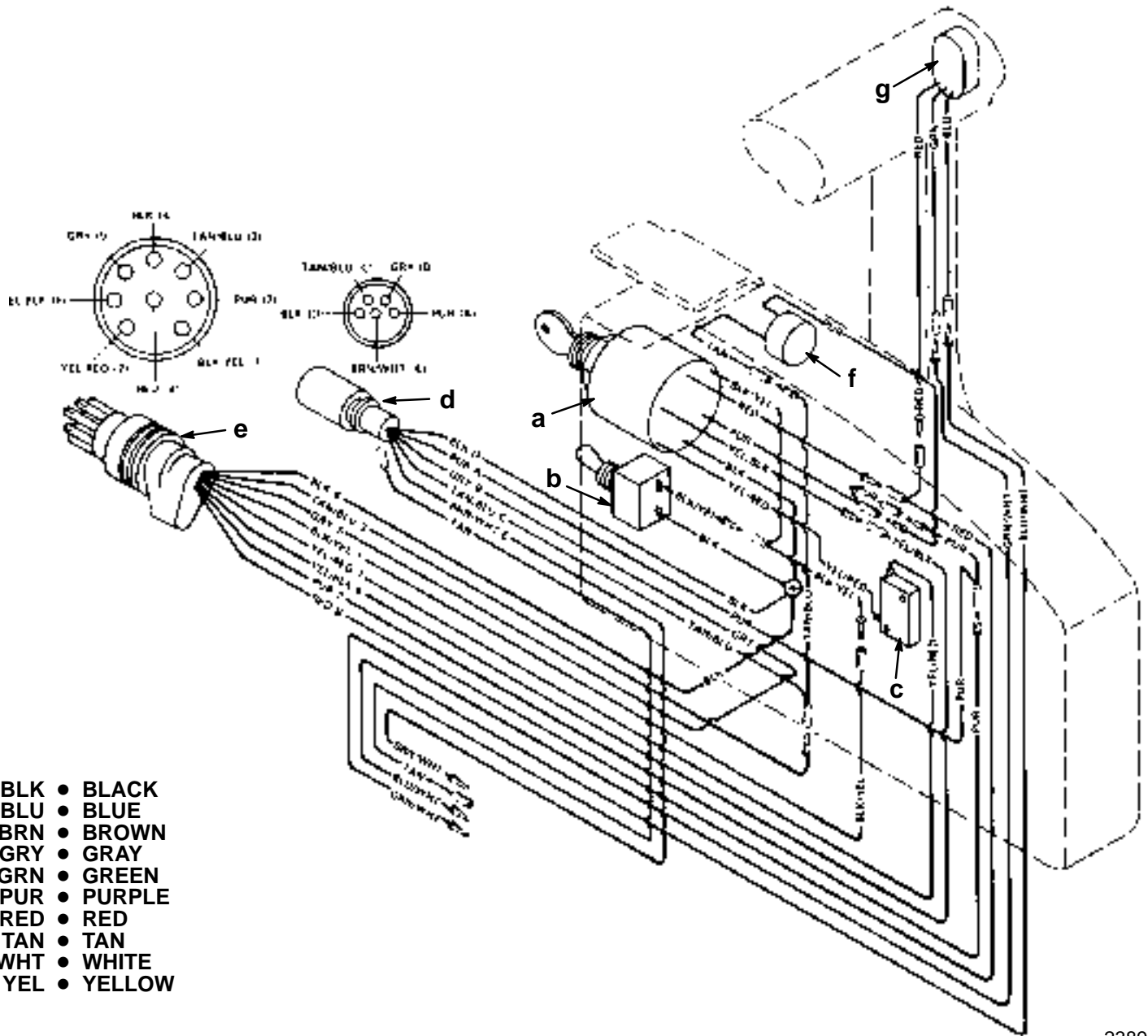
“OFF”	BLK/YEL – BLK
“RUN”	RED – PUR
“START”	RED – PUR – YEL/RED
PUSH (CHOKE)*	RED – YEL/BLK

\*Key switch must be positioned to “RUN” or “START” and key pushed in to actuate choke, for this continuity test.

23894



# COMMANDER 2000 Side Mount Remote Control (Power Trim/Tilt Electric Start With Warning Horn) Wiring Diagram



- BLK • BLACK
- BLU • BLUE
- BRN • BROWN
- GRY • GRAY
- GRN • GREEN
- PUR • PURPLE
- RED • RED
- TAN • TAN
- WHT • WHITE
- YEL • YELLOW

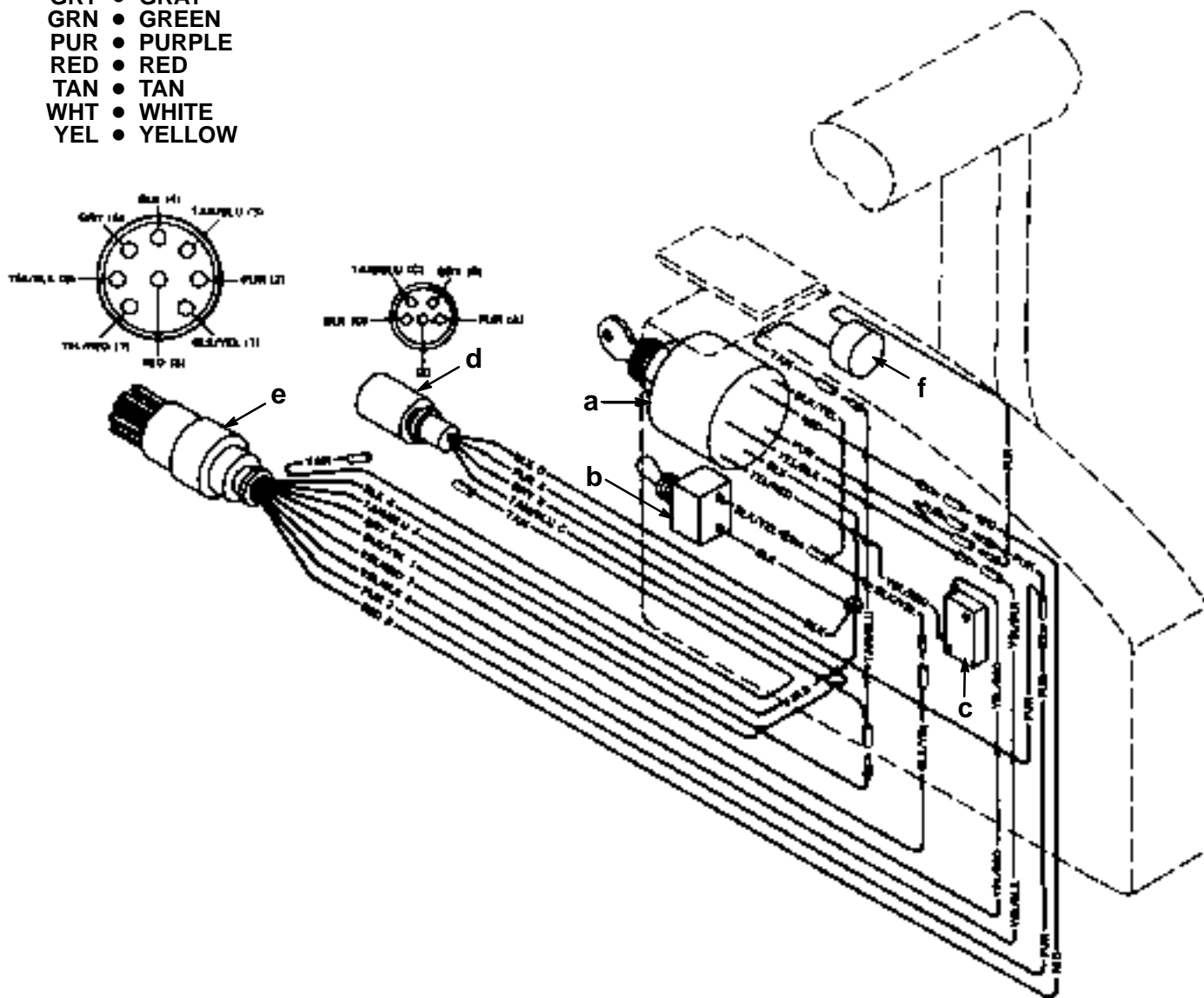
- a - Ignition/Choke Switch
- b - Emergency Stop Switch
- c - Neutral Start Switch
- d - Tachometer/Accessories Harness Connector
- e - Wiring Harness Connector
- f - Warning Horn
- g - Trim/Tilt Switch

23891



# COMMANDER 2000 Side Mount Remote Control (Electric Start With Warning Horn) Wiring Diagram

- BLK • BLACK
- BLU • BLUE
- BRN • BROWN
- GRY • GRAY
- GRN • GREEN
- PUR • PURPLE
- RED • RED
- TAN • TAN
- WHT • WHITE
- YEL • YELLOW



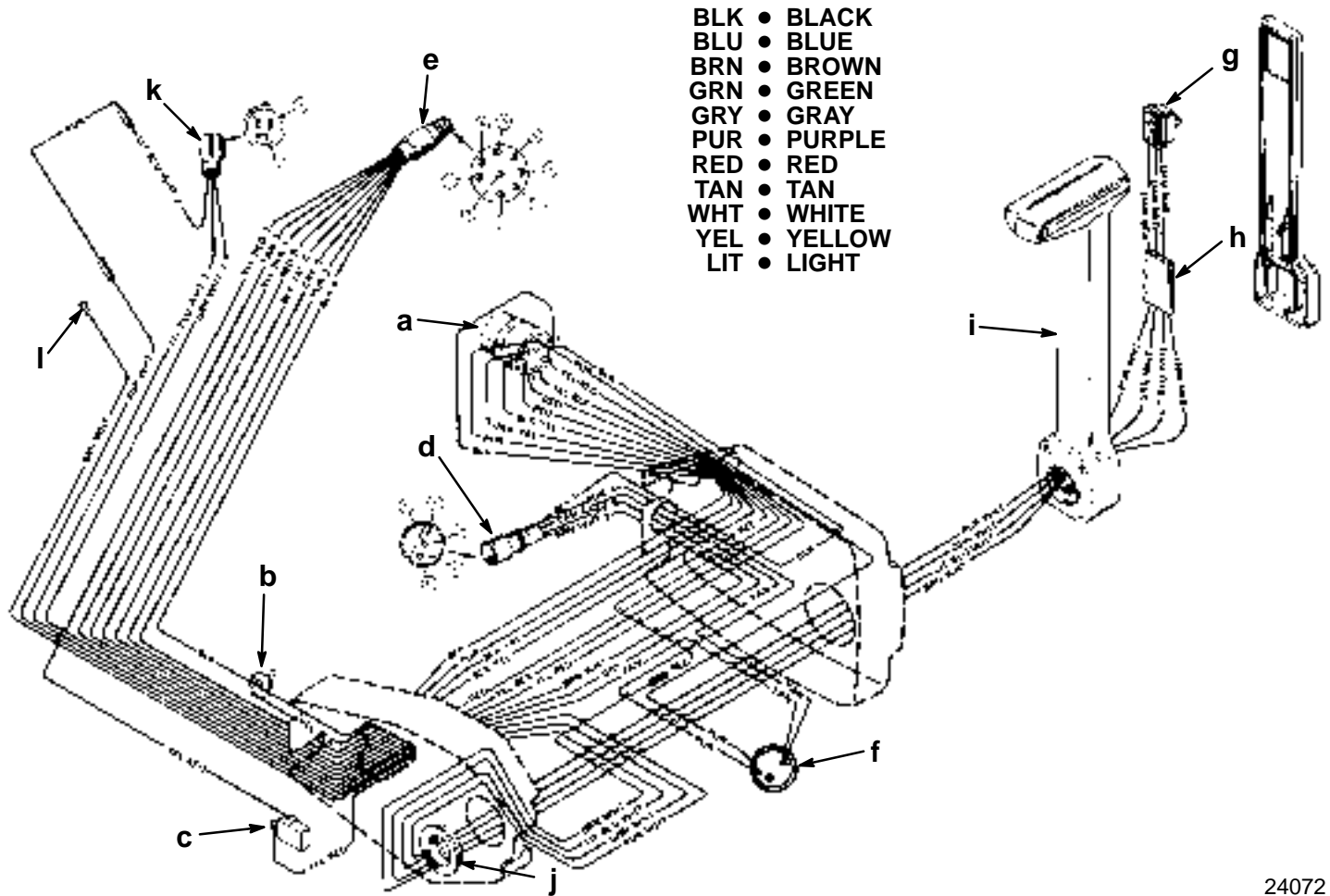
23892

- a - Ignition/Choke Switch
- b - Emergency Stop Switch
- c - Neutral Start Switch

- d - Tachometer/Accessories Harness Connector
- e - Wiring Harness Connector
- f - Warning Horn



# COMMANDER Side Mount Remote Control (Power Trim/Tilt Electric Start With Warning Horn) Wiring Diagram



- a - Ignition/Choke Switch
- b - Emergency Stop Switch
- c - Neutral Start Switch
- d - Tachometer/Accessories Harness Connector
- e - Wiring Harness Connector
- f - Warning Horn

- g - Trim/Tilt Switch
- h - Wire Retainer
- i - Control Handle
- j - Trim Harness Bushing
- k - Trim Harness Connector
- l - Lead to Trim Indicator Gauge

24072