rotary & headlamp switches

UNIVERSAL ROTARY SWITCHES  D1

ROTARY REVERSING SWITCHES  D2

ROTARY HEADLAMP & LIGHT SWITCHES  D3

RHEOSTAT, AC AND DEFROSTER SWITCHES  D4

PUSH-PULL HEADLAMP SWITCHES  D5

ELECTRONIC DIMMER SWITCHES  D6

FOOT-OPERATED SWITCHES  D7

rotary & headlamp switches

D1  UNIVERSAL ROTARY SWITCHES

In a full range of styles and circuitries for lighting, ignition and similar applications. Plated steel cases.

9500 10A  2-Position
10A at 12V DC. Mounting stem 1/8"-20 thread. Two screw terminals.

24054 10A  3-Position

75705-01 10A  Momentary 3-Position

9802 20A  3-Position

75701 20A Momentary 3-Position
20A at 12V DC. Lever actuator, spring return to Off from both On positions. Silver contacts. Mounting stem 7/16"-28 thread. Three screw terminals.

Rapid ship item.
Available in retail clamshell pack.
Minimum order quantity may apply.
Part numbers needed in BOX require a -BX suffix on the purchase order.

Cole Hersee Co. 20 Old Colony Ave, Boston, MA 02127-2467
T 617.268.2100  F 617.268.9490  www.colehersee.com
72150 Series
Compact plastic switches, with durable nylon 6/6 body, knob and stem, aluminum hardware, and plated brass terminals. Knobs snap on, and have a very positive detent action. Sealed to IP-53 for protection against dust and contaminants. Terminals accept connectors 99022 or 99021 with standard .250 quick-connect or Faston terminals. 10A or 20A at 12V DC.

Rotation diagrams: an arrow indicates a momentary switch. “On A-B” for example, indicates that terminals A & B are connected in the indicated position.

Part numbers refer to the switch complete with knob.

10A
SPST On-Off

20A
Switches are make before break.

SP3T

72150-01 72150-02

SP4T

72171-02 72171-04

Connector For 72150 Series Switches

99022
For forward-reverse operation of a motor, to give a motion such as Up/Down, Left/Right, In/Out, Rotate/Counter-rotate. Suitable for control of tailgates, winches, windlasses, snowplows and other applications. DPDT. Spring return to Off from both On positions. Four screw terminals. Plated steel case.

**90005-01 15A, Lever ★**
15A at 12V DC. Lever actuator. Silver contacts. Mounting stem 1/2”-20 thread, 1 1/4” (31.8mm) long.

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**90005-04 ★ 15A, Lever**
15A at 12V DC. Lever actuator. Silver contacts. Mounting stem 1/2”-20 thread, 13/32" (10.4mm) long.

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**90005-03 15A, Lock ★**
15A at 12V DC. Key actuator with coded tumbler lock. Spring return to Off from both On positions. O-ring seal in stem. Mounting stem 13/16”-24 thread.

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**75712-04 50A, Lever ★**
Heavy duty 50A switch allows forward and reverse motion of a motor without the need for a relay, especially for operation of tarps on trucks. Heavy duty component parts: 3/32” thick terminals, silver-laminated contacts to resist arcing over a long working life. 2.09” diameter (53.1mm) steel case. 10-32 x 3/8” (9.5mm) terminal screws with lockwashers. Mounting stem 1/2” -20 thread.

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**Forward & Reverse Switches**
Cole Hersee manufactures several rotary switches that can be used in Forward-Reverse applications. These switches are DPDT Momentary On - Off - Momentary On, such as the 90005 series switches (15A at 12V DC). For demanding applications, there’s the 75712-04, rated at 50A at 12V DC.

But we make other types of controls that can switch a motor to forward or reverse mode:

- **55046 Toggle Switch**
  25A at 12V DC
- **58027-18 Rocker Switch**
  25A at 12V DC
- **90005-03 Keyed Switch**
  15A at 12V DC

Cole Hersee switches: always lots of choices.
**72079-01 With Knob**

**7203-01 With Short Lever**
With short diecast lever. Four screw terminals. Plated steel case. Mounting stem 5/8"-32 thread. With O-ring seal in the mounting stem. 20A per circuit at 12V DC.

**72058-01* With Lever**
Lever actuator and indexing pin. Four screw terminals. Plated steel case. Mounting stem 1/2"-20 thread. With O-ring seal in the mounting stem. Silver contacts. 30A total at 12V DC.

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**Fog Light Rocker Switch**
As an alternate, fog light rocker switch 58027-17 matches other rocker switches that might be installed on the dashboard. For other switches of this type see Section A1.

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**No More Dead Batteries!**
SureStart™ Low Voltage Disconnect switches automatically disconnect ancillary loads before battery power is insufficient to start the vehicle. They automatically reconnect when voltage has been restored.

Prolongs battery life by preventing irreversible damage due to excessive discharge. See page 85.
Air Conditioning Switch

**68159-05**
Off - Low - Medium - High. Clutch circuit is energized in L, M and H. No electrical break between positions. Silver contacts. 7/16”-28 thread mounting stem, .34” (8.6mm) long. Five blade terminals. Plated steel case, 1.39” (35.3mm) diameter, .50” (12.2mm) long. Black plastic knob with SAE arrow symbol and with metal insert and set screw.

Heater-Defroster Switches

Four positions: Off-High-Medium-Low. 12V DC 3 Ohms or 24V DC 6 Ohms. Two screw terminals. Coil embedded in ceramic insulator for effective heat dissipation. Connections are welded to the resistance coil. Plastic round/bar knob with metal insert and set screw. Mount through a 5/8” hole (15.9mm) or with an optional bracket.

**68362** 12V, Black Knob

**68363** 24V, Black Knob

**68366** 24V, Tan Knob

With faceplate

Air Conditioning Switches

For 12V DC systems. Ceramic insulator with embedded coil for effective heat dissipation. 7/16”-28 thread mounting stem, 15/32” (11.9mm) long. Plated steel case, 1.32” (33.5mm) diameter, .88” (22.4mm) long. Black plastic knob with metal insert and set screw.

7496-11 18 Ohm, Imprinted
With round black knob imprinted with SAE variable symbol. Two blade terminals

7493 8 Ohm
With round/bar black knob. Two screw terminals.

7493-01 3 Ohm
With round/bar black knob. Two screw terminals.

7496 8 Ohm
With round/bar black knob. Two blade terminals.

7493-07 8 Ohm, Imprinted
With round/bar black knob imprinted “Panel Lamps”. Two screw terminals.

7496-04 8 Ohm, Imprinted
With round/bar black knob imprinted “Panel Lamps”. Two blade terminals.

Knobs

See page 157.
**3-Position**

Three knob pull positions: In – Mid – Out.

- **In** = Headlamps Off; Mid = Parking Lights and Tail Lights On; Out = Headlights and Tail Lights On

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**7124 With Black Knob ‘Lights’**

Four screw terminals, plated steel case, mounting stem with 7/16”-28 thread. 15A per circuit at 12V DC.

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**7124-06 With SAE Headlamp Symbol**

Same as 7124, but with black knob imprinted with SAE headlamp symbol.

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**72100 With Black Knob ‘Lights’ ★**

O-ring seal in mounting stem, gasket seal at terminal insulator. Four screw terminals, diecast case, silver contacts, mounting stem with 7/16”-28 thread. 20A per circuit at 12V DC.

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**7152 With Ivory Knob ‘Lights’**

Four screw terminals, plated steel case, silver contacts, mounting stem with 3/8”-24 thread. 15A per circuit at 12V DC.

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**7157 With Breaker**


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**72101 With Breaker**


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**72102 With Breaker**

Same as 72101, but without sealing.

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**7127 With Fuse**

With 20A at 12V glass fuse, black knob imprinted ‘Lights’. Four screw terminals, plated steel case, mounting stem with 7/16”-28 thread.
3-Position with Dimmer
Headlamp/Parking Lights/Tail Lights function the same as in the 3-position switches, but with the addition of a rotary dimmer function for panel/dome lights.

71092-02 4.5 Ohm, With Internal 15A Breaker ★
In = All lights Off, except dome light on rotary dimmer.
Mid = Parking lights & rear lights On; panel lights & dome light on rotary dimmer.
Out = Headlights & rear lights On; panel lights & dome light on rotary dimmer. 4.5 Ohm Dimmer, 15A at 12V internal Circuit Breaker. With black knob imprinted with SAE headlamp symbol. Eight blade terminals accept Delphi (Packard) connector 2977645 or 2984169. Plated steel case. Mounting stem 7/16”-28 thread. Terminal connections: 1 to battery +, 2 to panel lights; 3 to rear lights; 4 to rear lights; 5 to battery +; 6 to headlights; 7 to parking lights; A to dome light. Connect frame ground terminal to ground.

71092
Same as 71092-02, but without knob and shaft.

7178 3.75 Ohm, With 30A Breaker

71016 11 Ohm, With 20A Breaker

71016-01 11 Ohm, With 30A Breaker
Same as 71016, but with 30A at 12V Circuit Breaker.

71042 7 Ohm

4-Position Switch
Four knob pull positions: In – Mid1 – Mid2 – Out.

7112 Headlamp Switch

7112-01 Same as 7112, but without knob and shaft.

71092-01 2.5 Ohm, With Internal 15A Breaker ★
In = All lights Off, except dome light on rotary dimmer.
Mid = Parking lights & rear lights On; panel lights & dome light on rotary dimmer.
Out = Headlights & rear lights On; panel lights & dome light on rotary dimmer. 2.5 Ohm Dimmer, 15A at 12V internal Circuit Breaker. With black knob imprinted with SAE headlamp symbol. Eight blade terminals accept Delphi (Packard) connector 2977645 or 2984169. Plated steel case. Mounting stem 7/16”-28 thread. Terminal connections: 1 to battery +, 2 to panel lights; 3 to rear lights; 4 to rear lights; 5 to battery +; 6 to headlights; 7 to parking lights; A to dome light. Connect frame ground terminal to ground.

Universal
We have a wide selection of general purpose Push-Pull Switches: SPST, SPDT, DPST in steel case, brass case, and PVC-coated. See Section F.
For variable intensity control of panel and interior vehicle lighting only. For 12V DC negative ground systems, 14.7V maximum. Black plastic knob with metal insert and set screw. Knob imprinted in white with the SAE variable symbol. Diecast case, 1 9/16" (39.7mm) diameter, .883" (22.4mm) long. 7/16" -28 thread mounting stem, .45" (22.4mm) long. O-ring seal.

74600-02 4 Amps, Delphi (Packard) Connector

Three wires (load, battery, ground) with Delphi (Packard) connector 2984378 on 3' (76.2mm) leads. Duty cycle: 0 - 100%.

74600-09 4 Amps, Leads

Same as 74600-02, except with two wires, no connector. Two wires (load, battery) 1 25/32" (45.3mm) long. Duty cycle: 0 - 99%.

74603 6 Amps, AMP Connectors

Two wires (load, battery) 2" (50.8mm) long, with two AMP connectors (load 480054-3, battery 480053-3). Duty cycle: 1 - 99%.

74601-01 7 Amps

Two wires (load and battery) 1 25/32" (45.2mm) long. Duty cycle: 1 - 99%.

Quick-Tap Wire Splicer

No need to strip the wire!

To make a Tap Splice
With the splicer open:
Press the existing circuit wire (red wire in the picture) into the outer channel.
Press the tap wire (yellow) into the inner channel.
Snap the splicer cover into place.
Squeeze with pliers.

To make an Inline Splice
With the splicer open:
Press one wire (yellow) into the outer channel.
Press the other wire (red) into the inner channel.
Snap the splicer cover into place.
Squeeze with pliers.

To make a Pigtail Splice
With the splicer open:
Press one wire (red) into the outer channel.
Press the other wire (yellow) into the inner channel.
Snap the splicer cover into place.
Squeeze with pliers.

See page 130.

Advantages

Electronic dimmers have several advantages:

Intensity settings are not load-sensitive.
Cool operation due to low heat generation.
Resistant to contamination: sealed case with O-ring seal in shaft.
Electronic circuit is protected from damage or malfunction due to: Power supply noise; Reverse polarity; Field decay; RF radiation; Load dump (per SAE J1113a).
Headlamp Dimmer Switches


Through-floorboard mounting

7700 With Three Wire Terminals
PVC-coated case and leads gives added protection. Three 16AWG leads 5.75” (146.1mm) long. 27/32” (21.4mm) diameter stem. Three 1/4”-20 tapped mounting holes, 1 3/4” and 1 3/4” on centers (19.1 and 44.5mm).

7786 With Three Screw Terminals
1 1/16” (27.0mm) diameter stem. Three 1/4”-20 tapped mounting holes, 3/4” and 1 3/4” (19.0 and 44.4mm) on centers.

Replaces: Delco 1997014, D-805.

7787 With Three Screw Terminals
7/8” (22.2mm) diameter stem. Two 1/4”-20 tapped mounting holes, 1 3/4” (44.4mm) on centers.


7769 With Three Screw Terminals
27/32” (21.4mm) diameter stem. Three 1/4”-20 tapped mounting holes, 3/4” and 1 3/4” (19.0 and 44.4mm) on centers.


7784 With Three Screw Terminals, And Weather-Resistant Seal
7/8” (22.2mm) diameter stem. Three 1/4”-20 tapped mounting holes, 3/4” and 1 3/4” (19.0 and 44.4mm) on centers. Weather-resistant seal in the case.

7789-02 With Three Blade Terminals
55/64” (21.8mm) diameter stem. Two 1/4”-20 tapped mounting holes, 1 3/4” (44.4mm) on centers. Drain hole in the case.

On-floorboard mounting

7702
Two 7/32” (5.6mm) diameter mounting holes, 1 5/8” (41.3mm) on centers. Three blade terminals.

Replaces: Delco U803, Ford C0TF, C0TZ-13A024A, Motorcraft SW-263.

7776
Two 7/32” (5.6mm) diameter mounting holes, 1 5/8” (41.3mm) on centers. Three blade terminals.


7762
Two 9/32” (7.1mm) diameter mounting holes, 1 3/4” (44.4mm) on centers. Three blade terminals.

Replaces: AMC 5457282, Delco 199702, 1997031, 1997035, 1997037, 1997040, 1997043, D-803, D-804, D-808, D-809, D-810, GMC 5834446, 578005, 1539288.

30156 Connector
Fits Cole Hersee switches 7702 and 7776.

Ford trucks 60-87, Dodge trucks 59-86.

30155 Connector
Fits Cole Hersee switch 7762.

**Turn Switches**
*Through-floorboard mounting. Depress to On, spring return to Off. Two switches are needed for left and right turn signals.*

**7785 Sealed, With Wire Leads**
- 7/8” (22.2mm) diameter stem.
- Three 1/4”-20 tapped mounting holes, 3/4” and 1 3/4” (19.0 and 44.4mm) on centers.
- Plastic-coated, providing protection against moisture, dust and roadsplash.

**7792-01 With Screw Terminals**
- 7/8” diameter stem. Three 1/4”-20 tapped mounting holes, 3/4” and 1 3/4” (19.0 and 44.4mm) on centers.

**7792 Sealed, With Screw Terminals**
- 7/8” diameter stem.
- Three 1/4”-20 tapped mounting holes, 3/4” and 1 3/4” (19.0 and 44.4mm) on centers.
- Plastic-coated, providing protection against moisture, dust and roadsplash.

**Starter Switches**
*Off-On, normally Off. Depress to On, spring return to Off.*

**9060 Through-Floorboard Mounting**
- Two stud terminals, 5/16”-24 thread with hexnuts and lockwashers.
- Plunger is 1.83” (46.5mm) long.
- Two 9/32” (7.2mm) diameter mounting holes, 1 3/4” (44.5mm) on centers.

**9183 Through-Floorboard Mounting, Short Stem**
- Two stud terminals, 5/16”-24 thread with hexnuts and lockwashers.
- Plunger is 1” (25.4mm) long.
- Two 9/32” (7.2mm) diameter mounting holes, 1 3/4” (44.5mm) on centers.
- Replaces: Autolite SW-4012 (15-49), Delco 1996478.

**91001 On-Floorboard Mounting**
- One stud terminal, 3/8”-16 thread for attaching external ground wire.
- Plunger is 21/32” (16.7mm) long. Two .218” x .265” (5.5 x 6.7mm) mounting holes, 1.40” (35.6mm) on centers.
- Replaces: Autolite 15-201, Delco 1930496 (D906).

**When A Floor Switch Is Impracticable**

Panel-mount Dimmer and Headlamp Switch 7112 is frequently spec’d in delivery vans requiring stand-up operation, and in vehicles for the physically-impaired. See Section D5.

*Rapid ship item. Available in retail clamshell pack. Minimum order quantity may apply. Part numbers needed in BOX require a -BX suffix on the purchase order.*