

# Cole Facts

IMPORTANT PRODUCT INFORMATION

## Push-Pull Switches



Noted for longevity, Cole Hersee's dependable push-pull switches operate headlamps, taillights and parking lamps, worklights, heaters and defrosters, two speed axles and other devices. Cole Hersee push-pull switches are for 6 to 36 VDC systems and are used on vehicles, industrial and construction equipment and for marine applications.

The letters **SPST**, **SPDT**, **DPST**, and **DPDT** identify switch capabilities.

**SP Single Pole** A switch device that opens, closes or changes connection of a single conductor in an electrical circuit.

**DP Double Pole** A switch device that opens, closes or changes connection of two conductors in an electrical circuit.

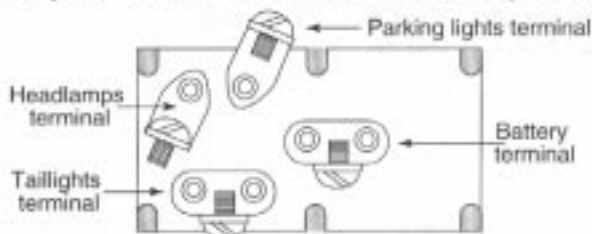
**ST Single Throw** A switch that opens, closes or completes a circuit at only one of the extreme positions of its actuator.

**DT Double Throw** A switch that opens, closes or completes a circuit at both extreme positions of its actuator.

### Push-pull switch connections and operation.

#### 1. Outside the switch.

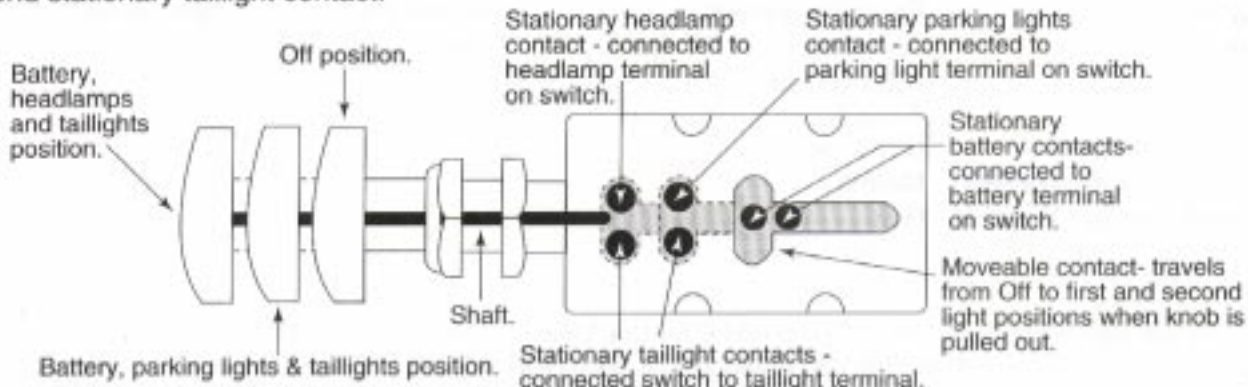
**Push-pull Headlamp Switch**  
Three positions.  
Off.  
On parking lights and taillights.  
On headlamps and taillights.



Connections are made from the different loads to the appropriate terminal on the switch.

#### 2. Inside the switch.

When the switch knob is pulled from the OFF position to the first ON position, the moveable contact travels to connect with the stationary parking lights and taillight contacts. When the knob is pulled to the second ON position, the moveable contact connects with the stationary headlamp contact and the second stationary taillight contact.



Illustrations are for information purposes only and are not intended to be actual product representations.

 **Cole Hersee Co.**

CF-106

## Cole Hersee Push-Pull switch construction options.

### Heavy Duty Switches.

**Cases:** plated steel and zinc.

**Mounting stems:** steel and aluminum

**Terminations:** screw and blade terminals.

**Sealing:** "O" ring sealed mounting stems, gasket sealed terminal insulators.

**Knobs:** plastic threaded, chrome plated integral.

**Mounting hardware:** face nuts, hex nuts, pal nuts, lockwashers.

### Marine Construction Switches.

**Cases:** brass, plasticized brass.

**Mounting stems:** brass.

**Terminations:** screw and blade terminals, wire leads.

**Sealing:** "O" ring sealed mounting stems, gasket sealed terminal insulators.

**Knobs:** chrome plated brass, plastic threaded.

**Mounting hardware:** chrome plated brass face nuts, brass hex nuts, washers, lockwashers.

## Cole Hersee push-pull switches • Standard circuitries and functions

Amperage	Circuitry	Function	Amperage	Circuitry	Function
20 amp	One circuit	Off-On	10 amp	Two Circuit	Off-On-On
20 amp w/circuit breaker	Two circuit	Off-On	10 amp, plasticized	One circuit	Off-On
18 amp	Two circuit	Off-On	10 amp, sealed case	One circuit	Off-On
10 amp	One circuit	Off-On	10 amp, sealed case	One circuit	On-Off
10 amp, fused	One circuit	Off-On	10 amp	Two circuit	On-On
10 amp, w/circuit breaker	One circuit	Off-On	10 amp	Three Circuit	Off-On-On
10 amp	One circuit	On-Off	8 amp	Two circuit	On-On
10 amp	Two circuit	Off-On			

Push-pull switches are used to control many different devices in vehicles and equipment and just a few are listed here.

#### Installed in:

Trucks	Industrial Machinery
Automobiles	Farm Equipment
Ambulances	Fork Lifts
Fire Engines	Racing Cars
School and Commercial Buses	Airport Ground Support Equipment
Construction Equipment	Marine
Lawn & Garden Tractors	RVs

#### To operate:

Headlamps	Magneto
Heater/Fan	Two speed axle
Heater-defroster	Worklight
Ignition/starter	

FOR MORE INFORMATION ON COLE HERSEE'S FULL LINE OF PUSH-PULL SWITCHES PLEASE CONSULT OUR MASTER CATALOG D-272, SECTION "A", OR OUR MARINE AND HEAVY DUTY CATALOGS UNDER PUSH-PULL SWITCHES.



**CH** Cole Hersee Co.