

# C ignition switches

## C2 UNIVERSAL BATTERY IGNITION AND START SWITCHES

In the tables: Actuation/Lock column: Hencol S = short handle Hencol key 83357, Hencol L = long handle Hencol key 83353; Lever S = short lever knob 81254, Lever L = long lever knob 80101 -B. Seal column: S = Shutter lock seal, G = Gasket seal, O = O-ring seal in stem.



### Case A

Zinc diecast, coded tumbler lock. Fits panels up to 3/8" (9.5mm).



### Case B

Plated steel, coded tumbler lock. Fits panels up to 1/2" (12.7mm).



### Case C

Plated steel. Non-tumbler Hencol lock: either short handle key (Hencol S), or long handle key (Hencol L). Fits panels up to 1/8" (3.2mm).



### Case D

Zinc diecast, military lever. Fits panels up to 11/64" (4.4mm).



### Case F

Plated steel. Lever knob: either short (Lever S), or long (Lever L). See Section C6. Fits panels up to 1/8" (3.2mm).



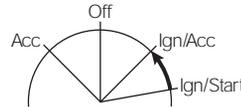
### Case G

Plated steel. Non-tumbler Hencol lock: either short handle key (Hencol S), or long handle key (Hencol L). Fits panels up to 1/4" (6.4mm).

## 4-Position

### Accessory – Off – Ignition/Acc – Ignition/Start

Part No.	Terminals	Actuation/ Lock	Seal	Case	Bushing
9579 <sup>BP</sup> ★	4 screw	Coded	-	A	3/4"-20
95535	4 screw	Coded	-	B	13/16"-24
95515-A	4 screw	Hencol S	-	C	5/8"-32
95525-A	4 screw	Hencol S	O	C	5/8"-32
With identical key code CH-505					
9579-02	4 screw	Coded	-	A	3/4"-20

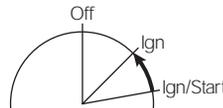


Key is removable only in the Off position. Spring return to IGN/ACC. Electrical ratings at 12V DC: 10A Accessory, 10A Ignition, 5A Start.

## 3-Position

### Off – Ignition – Ignition/Start

Part No.	Terminals	Actuation/ Lock	Seal	Case	Bushing
9513	3 screw	Coded	-	A	3/4"-20
95534	3 screw	Coded	-	B	13/16"-24
95514-A	3 screw	Hencol S	-	C	5/8"-32
95524-A ★	3 screw	Hencol S	O	C	5/8"-32
95582	3 screw	Coded	O	A	3/4"-20
95634*	3 screw	Lever S	-	D	3/4"-20
95634-01	3 screw	Lever S	O	D	3/4"-20

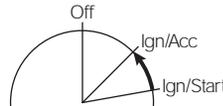


Key is removable only in the Off position. Spring return to IGN/ACC. Electrical ratings at 12V DC: 10A Ignition, 5A Start.

### Off – Ignition/Accessory – Ignition/Start

Part No.	Terminals	Actuation/ Lock	Seal	Bushing
95591	4 screw	Lever L	O	5/8"-32

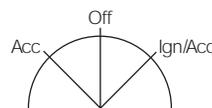
Case F, but with long lever knob.



Spring return to IGN/ACC. Electrical ratings at 12V DC: 10A Accessory, 10A Ignition, 5A Start.

### Accessory – Off – Ignition/Accessory

Part No.	Terminals	Actuation/ Lock	Seal	Case	Bushing
9578	3 screw	Coded	-	A	3/4"-20
95523-A*	3 screw	Hencol S	O	C	5/8"-32



Key is removable only in the Off position. Electrical ratings at 12V DC: 10A Accessory, 10A Ignition.

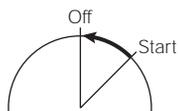
★ Rapid ship item. <sup>BP</sup> Available in retail clamshell pack. ★ Minimum order quantity may apply.



## 2-Position

### Off – Start

Part No.	Terminals	Actuation/ Lock	Seal	Case	Bushing
95564-01	2 blade	Hencol S	O	G	5/8"-32



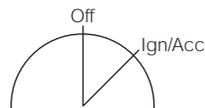
Key is removable only in the Off position. Spring return to Off.

Accepts Delphi (Packard) connector 2965454

Electrical ratings at 12V DC: 20A

### Off – Ignition/Accessory

Part No.	Terminals	Actuation/ Lock	Seal	Case	Bushing
95608	3 screw	Coded	-	A	3/4"-20
95633*	3 screw	Lever S	-	D	3/4"-20
95633-A ★	3 screw	Lever S	-	D	3/4"-20



Key is removable only in the Off position.

95633 is moisture- and fungus-resistant per MIL-JAN-T-152

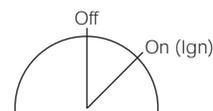
Electrical ratings at 12V DC: 10A Accessory, 10A Ignition

### Off – On (Ignition)

Part No.	Terminals	Actuation/ Lock	Seal	Case	Bushing
9577 ★	2 screw	Coded	-	A	3/4"-20
95532	2 screw	Coded	-	B	13/16"-24
95512-A	2 screw	Hencol S	-	C	5/8"-32
95522-A	2 screw	Hencol S	O	C	5/8"-32
9518	2 screw	Coded	-	A	3/4"-20

Key is removable only in the Off position, except 9518 where the key is removable in both positions. 9518 is suitable for security alarm applications.

See also Section C4 for compact keyed switch 9622-01.



Electrical ratings at 12V DC: 10A Ignition

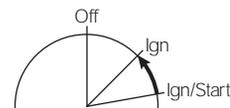
## Extra Heavy Duty

### 3-Position

### Off – Ignition – Ignition/Start

Part No.	Terminals	Actuation/ Lock	Seal	Case	Bushing
95610	3 screw	Lever S	-	F	5/8"-32
95612 ★	3 screw	Lever S	O	F	5/8"-32
95613	3 blade	Lever S	O	F	5/8"-32
95561-01	3 blade	Hencol S	O	G	5/8"-32
95521-01	3 screw	Lever S ▲	O	G	5/8"-32
95511-B	3 screw	Hencol S	-	G	5/8"-32
95521-B	3 screw	Hencol L	O	G	5/8"-32

▲ Lever is dichromate finish.



Key is removable only in the Off position, spring return to IGN.

95561-01 accepts Delphi (Packard) connector 2973386

Electrical ratings at 12V DC:

10A Ignition, 5A Start: 95561-01

20A Ignition, 20A Start: 95613

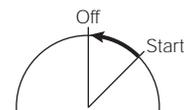
25A Ignition, 20A Start: 95610, 95612,

25A Ignition, 70A Start: 95521-01, 95511-B, 95521-B

## 2-Position

### Off – Start

Part No.	Terminals	Actuation/ Lock	Seal	Case	Bushing
95617*	2 screw	Hencol S	-	F-1	5/8"-32

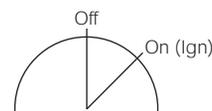


Key is removable only in the Off position, spring return to Off.

Electrical ratings at 12V DC: 40A Inrush, 15A Break

### Off - On (Ignition)

Part No.	Terminals	Actuation/ Lock	Seal	Case	Bushing
95597	2 screw	Hencol L	O	G	5/8"-32
M-288	2 screw	Lever L	O	G	5/8"-32



Key is removable only in the Off position.

Electrical ratings at 14V DC: 50A, silver contacts.

# C ignition switches

## C6 INFORMATION ON IGNITION SWITCHES

### Actuators



Coded tumbler lock.



Hencol L. Long handle keys 83353.



Hencol S. Short handle keys 83353.



Lever L. Long handle lever knob 80101-B.



Lever S. Short handle lever knob 81254.



Military lever.

### Contacts

Silver contacts are highly-conductive and give a long life to the switch, by minimizing arcing. They are available on many of our switches.

### Grounding

Switches are offered with a grounded case design or with a separate ground terminal. A grounded case switch must be installed in a metal panel which is part of the vehicle ground system. For installation in non-grounded panels, select a switch with ground terminal.

Battery ignition switches with a ground circuit permit the operator to check panel indicator lights when the switch is turned to the start position.

### Replacement Switches

We have Delco replacement switches, as well as other items that are not listed. Check with Cole Hersee.

### Special Requirements

We design and manufacture switches for OEMs of all kinds of equipment. Our engineers can work with your staff to evolve the best design. We can work from the ground up to solve a switching problem...or we might be able to save you money by adapting an existing switch. Contact us.

### Other applications for Ignition Switches

Our switches are designed to meet the rigors of use in land and marine vehicles, but they can also be used in any low voltage DC application.

### Delphi (Packard) Connectors

All 956 Series Ignition Switches with blade terminals mate with Delphi (Packard) connector 2962912.

95663-01 accepts Delphi (Packard) 2973422.

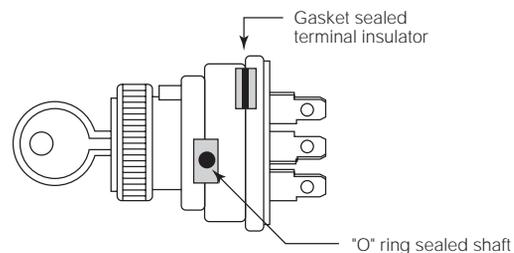
95663-04 accepts Delphi (Packard) 2973422.

95561-01 accepts Delphi (Packard) 2973386.

95564-01 accepts Delphi (Packard) 2965454.

### Weather-Resistant Options

For inclement conditions, we can add an O-ring seal in the bushing and a gasket seal to protect the terminal insulator, or we can plastic coat the switch by special order. You can also use Rubber Boot/Mounting Nuts and Plastic Caps (see 'Accessories' in this section). Marine construction switches generally have brass cases and added protection against the wave and weather. You can also find different types of starter switches in Section A Rocker Switches, Section B Toggle Switches, Section G Push Button Momentary Switches and Section F Push-Pull Switches.



### Circuitry

We have many options in 2- 3- and 4-Positions, for Battery Ignition and Magneto Switches. Anti-Restart switches prevent an engine from being accidentally re-energized when running, and protects the circuitry from an inadvertent overload.

### Terminals

Screw terminals have lockwashers to ensure continued connection of wires. Blade terminals are made of brass, 1/4" (6.4mm) wide. Any switch can be fitted with wire leads by special order.



### custom keys

We made this elegant key to grace the keyrings of Cobalt boat owners. The keys will start their beautiful boats using reliable Cole Hersee ignition switches. But we also make different styles of custom keys for workhorse vehicles.

Whether you want a glossy or embossed logo key, we can do that. Ask us!