

SWITCHES AND RELAYS

Highlights

1

NAPA® Echlin® offers more than 10,000 high-quality Switches and Relays in hundreds of categories

2

NAPA® Echlin® has more than 370 Oil Pressure Switches, representing 377M repair opportunities

3

Most switches and relays are entirely powertrain-neutral, meaning they fit gas, diesel, hybrid and electric vehicles



What's in your box?



NAPA® ECHLIN® SWITCHES

Growing Market

The world's leading research companies agree: the demand for automotive switches will experience solid growth in the coming years.

Electronic Safety Systems, enhanced infotainment features, and alternative powertrains all add to the complexity of the electrical systems on vehicles. As the loads on electrical systems increase, the performance of switches and relays will be more critical than ever before.

“Automotive Switches are expected to grow at a compound annual growth rate of 7.6% from 2022 to 2030”

- Market Statsville Group, August 2022

“The automotive switch market will exhibit a compound annual growth rate of 5.81% during 2021-2027”

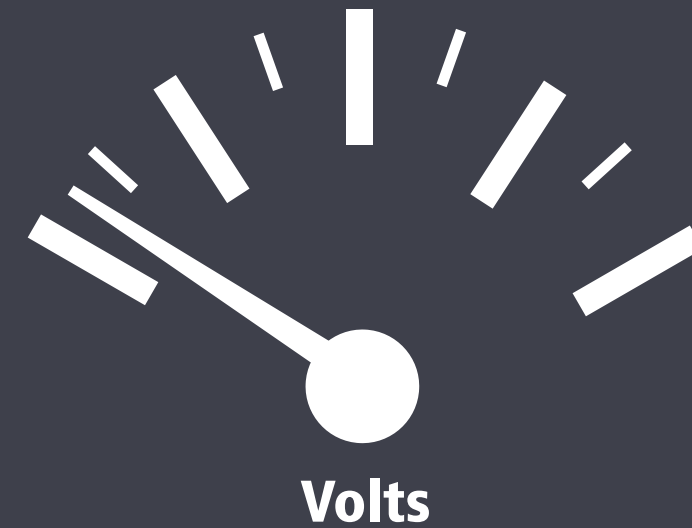
- Research and Markets, September 2022

“The automotive switch market is expected to grow at 7.8% annually over the forecast period from 2021-2028”

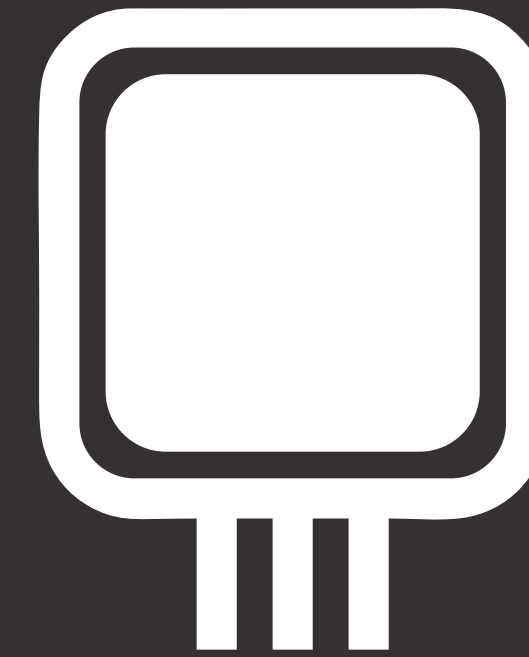
- Research Dive, September 2022

NAPA® ECHLIN®
SWITCHES & RELAYS

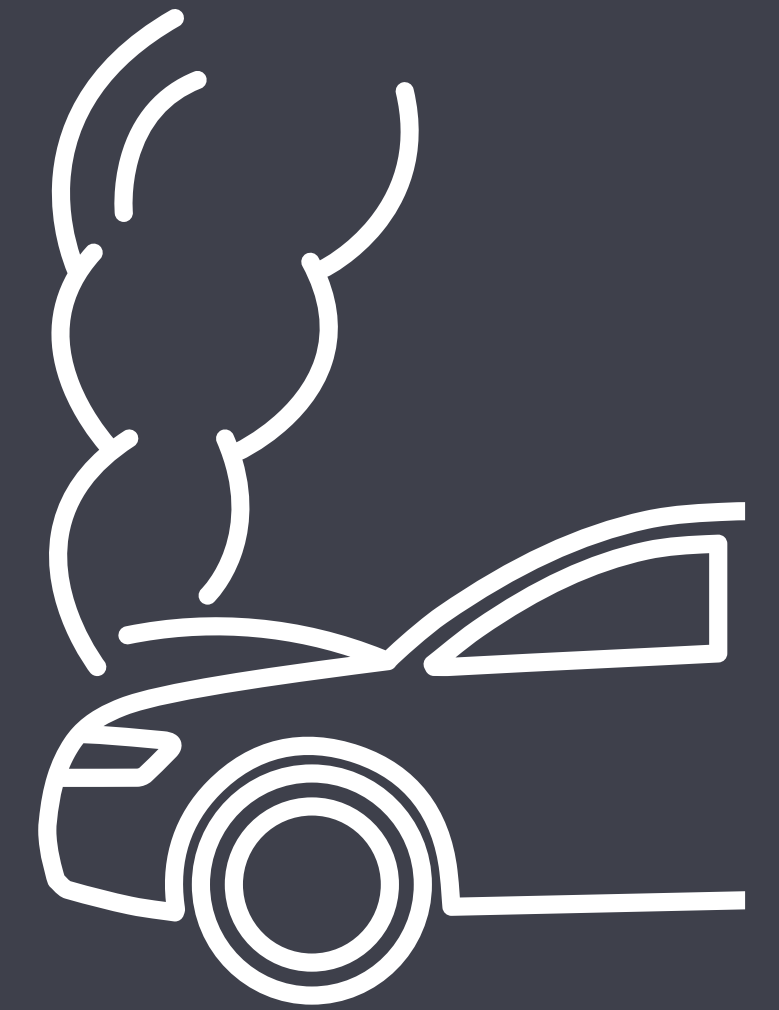
Impact on Engine Systems



Poor or burnt contacts in a relay will cause a voltage drop to a component. This can cause damage to the component and affect the performance of the vehicle



Anytime a load-bearing electrical device fails, it is highly recommended to also replace the corresponding relay. It is good insurance on the new part



A failed cooling fan relay should be replaced immediately as it could lead to overheating. If a cooling fan relay has failed, it is recommend to thoroughly inspect the fan as well

Your Complete Program

NAPA® Echlin® offers thousands of precision-engineered Switches across multiple categories. Our Switches are designed for both reliability and correct performance in all conditions.

Visit NAPAEchlin.com for more details on the Switches we offer for specific vehicles.

NAPA® Echlin® Switch Program

Chassis and Drivetrain Switches

- Clutch Starter Safety Switches
- Four Wheel Drive Actuator Switches
- Four Wheel Drive Selector Switches
- Fuel Pump Cut-Off Switches
- Neutral Safety Switches
- Transfer Case Switches
- Transmission Control Switches

Pressure and Vacuum Switches

- Oil Pressure Switches
- Power Steering Pressure Switches
- Transmission Oil Pressure Switches
- Valve Timing Oil Pressure Switches

Body Light Switches

- Back-Up Light Switches
- Door Jamb Courtesy Light Switches
- Hazard Light Switches
- Headlight Dimmer Switches
- Headlight Switches
- Instrument Panel Dimmer Switches
- Stoplight Switches
- Turn Signal Switches

Ignition Switches

- Ignition Switches with Lock Cylinder
- Ignition Push Button Switches
- Ignition Starter Switches

Interior Switches

- Cruise Control Release Switches
- Cruise Control Switches
- Fuel Tank Selector Switches
- Liftgate Release Switches
- Clock Spring Switches
- Parking Brake Switches
- Power Door Lock Switches
- Power Seat Switches
- Power Window Switches
- Remote Mirror Switches
- Windshield Wiper Switches
- ... and more



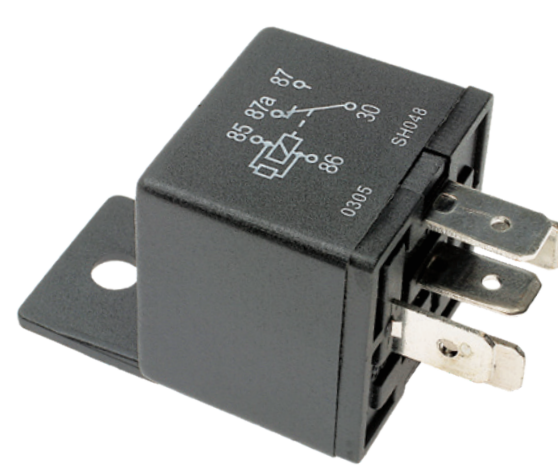
Your Complete Program

NAPA® Echlin® has more than 1,125 Relays that cover more than 225 different categories. Our complete Relay program ensures that you find the part you are looking for, with the quality and performance you expect from NAPA® Echlin®.

Visit NAPAEchlin.com for more details on the Relays we offer for specific applications.

NAPA® Echlin® Relay Program

- | | | |
|---------------------------------|-------------------------------------|---------------------------------------|
| A/C Compressor Clutch Relays | Adjustable Pedal Relays | Check Lamp Relays |
| Daytime Running Lamp Relays | Headlight Dimmer Switch Relays | Ignition Relays |
| Multi-function Relays | Rear Window Defogger Relays | Wiper Relays |
| ABS Relays | Air Bag Relays | Coolant Fan Relays |
| Electronic Brake Control Relays | Heated Mirror Relays | Keyless Entry System Relays |
| Overdrive Relays | Rear Windrow Wiper Relays | ... and hundreds of more applications |
| AC Relays | All Wheel Drive Control Relays | |
| Engine Control Relays | Horn Relays | |
| Power Door Lock Relays | Secondary Air Injection Pump Relays | |
| Accessory Relays | Automatic Headlight Relays | |
| Flashers | Ignition Control Module Relays | |
| Power Window Relays | Trailer Towing Package Relays | |



NAPA® ECHLIN®
OIL PRESSURE SWITCHES

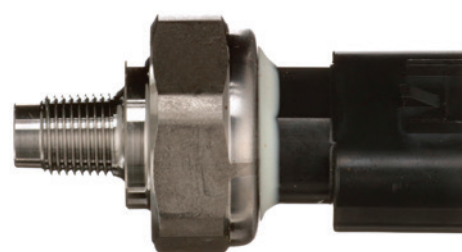
What's New

NAPA® Echlin® has over 370 Oil Pressure Switches representing almost 400 million repair opportunities. Our industry-leading coverage gets better all the time with the frequent release of Switches for import and domestic vehicles.

For the most recent applications, check the online catalog at www.NAPAEchlin.com.



OP7752
Oil Pressure Light Switch
Toyota / Lexus
Gas and Hybrid Cars
(2022-18)
VIO: 1.3M



OP7759
Oil Pressure Light Switch
Jeep, RAM, and Chrysler Cars
& SUVs
(2022-17)
VIO: 1.3M



OP7751
Oil Pressure Gauge Switch
Porsche 911
(2008-99)
VIO: 81K



NAPA® ECHLIN®
POWER WINDOW SWITCHES

What's New

NAPA® Echlin® has over 1,400 Power Window Switches, representing 700 million repair opportunities. New Power Window Switches, along with Cruise Control Switches, Power Seat Switches, and other interior Switches are introduced regularly.

For the most recent applications, check the online catalog at www.NAPAEchlin.com.



PA5027
Ford Gas & Hybrid Trucks & SUVs
(2022-2020)
VIO: 950K



PA5076
Honda Trucks & SUVs
(2020-2016)
VIO: 1.14M



PA5071
Jeep Wrangler
(2022-18)
VIO: 724K



NAPA® ECHLIN®
IGNITION SWITCHES

What's New

NAPA® Echlin® offers more than 456 Ignition Switches covering 200 million vehicles on the road. New Ignition Switches in every style are being added to make sure you have the late-model coverage you need.

For the most recent applications, check the online catalog at www.NAPAEchlin.com.



KS7884
Ignition Push Button Switch
Honda CR-V
(2018-16)
VIO: 281K



KS7882
Ignition Starter Switch
GM Trucks
(2020-19)
VIO: 1.02M



KS7883
Ignition Switch with Lock Cylinder
Nissan NV Vans
(2015-2014)
VIO: 24K



NAPA® ECHLIN®
OIL PRESSURE SWITCHES

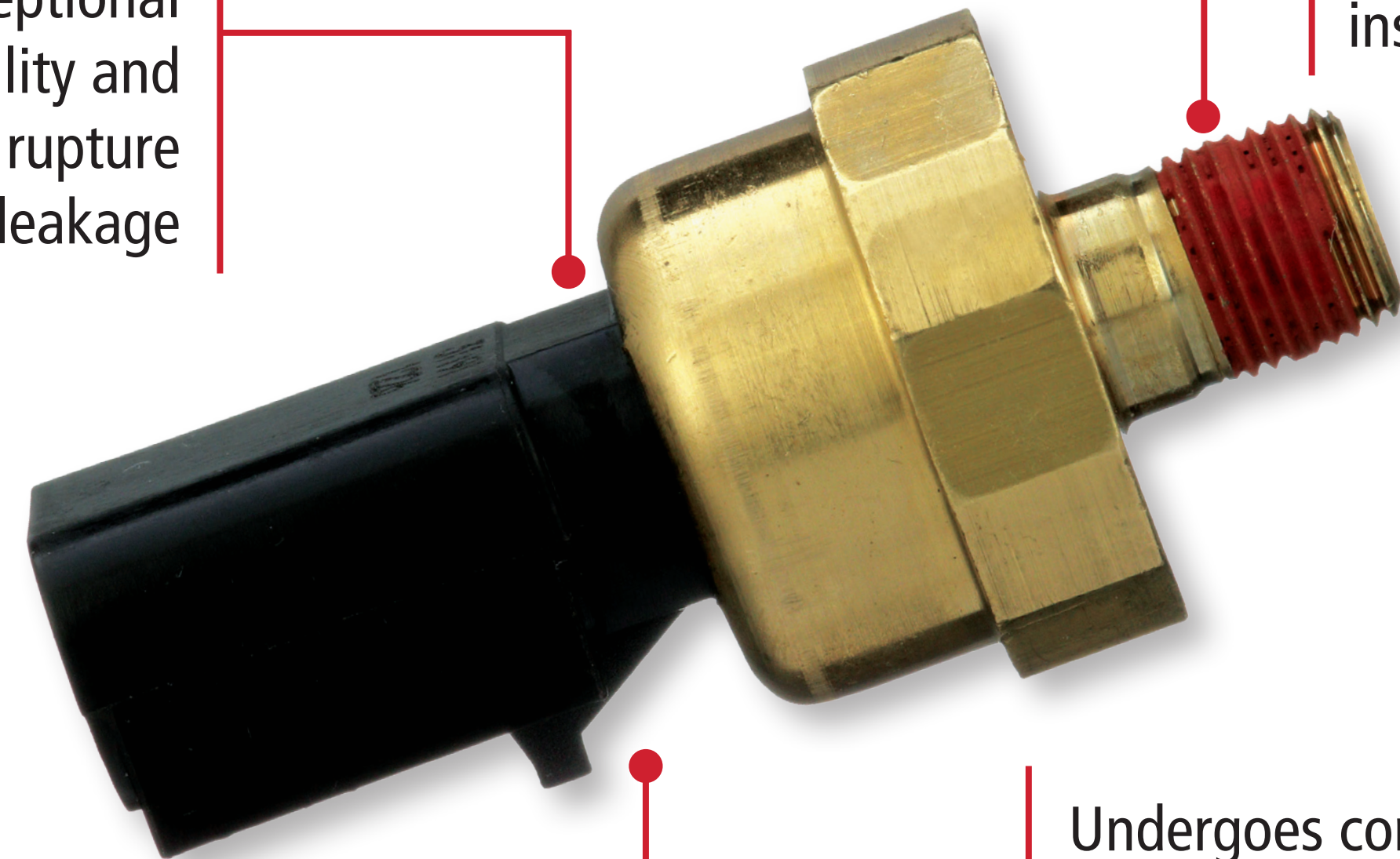
A Closer Look

Oil Pressure Switches are critical for monitoring the status and health of engines. NAPA® Echlin® Oil Pressure Switches undergo computer-controlled calibration to ensure precise performance in all conditions.

NAPA® Echlin® Oil Pressure Switches

High-temp, ceramic pressure sensors provide exceptional cycle durability and resistance to rupture and oil leakage

Includes pre-applied thread sealant for easy install right out of the box



Undergoes computer-controlled pressure calibration testing to ensure accurate reading of actual oil pressure in vehicle's engine

OP6185
Dodge/Chrysler/Jeep/Ram
(2017-99)

Top Movers

IMPORT APPLICATIONS



OP6612

Multiple applications, see
NAPAEchlin.com
for details



OP6730

Hyundai / Kia Cars & SUVs
(2020-03)



OP6163

Toyota / Lexus Cars & SUVs
(2020-93)



OP6775

Honda / Acura Cars & SUVs
(2008-84)



OP6917

Subaru Cars & SUVs
(2012-06)

DOMESTIC APPLICATIONS



OP6971

GM Cars, Trucks & SUVs
(2022-08)



OP6196

GM Cars, Trucks & SUVs
(2009-97)



OP6185

Dodge, Jeep, Chrysler, RAM
(2017-99)



OP6722

Dodge, Jeep, Chrysler, RAM
(2013-02)



OP6889

Ford, Lincoln, Mercury
(2021-98)

NAPA® ECHLIN®
IGNITION SWITCHES

A Closer Look

NAPA® Echlin® Ignition Switches are a direct replacement to the original. They are designed to install easily and for precise function.

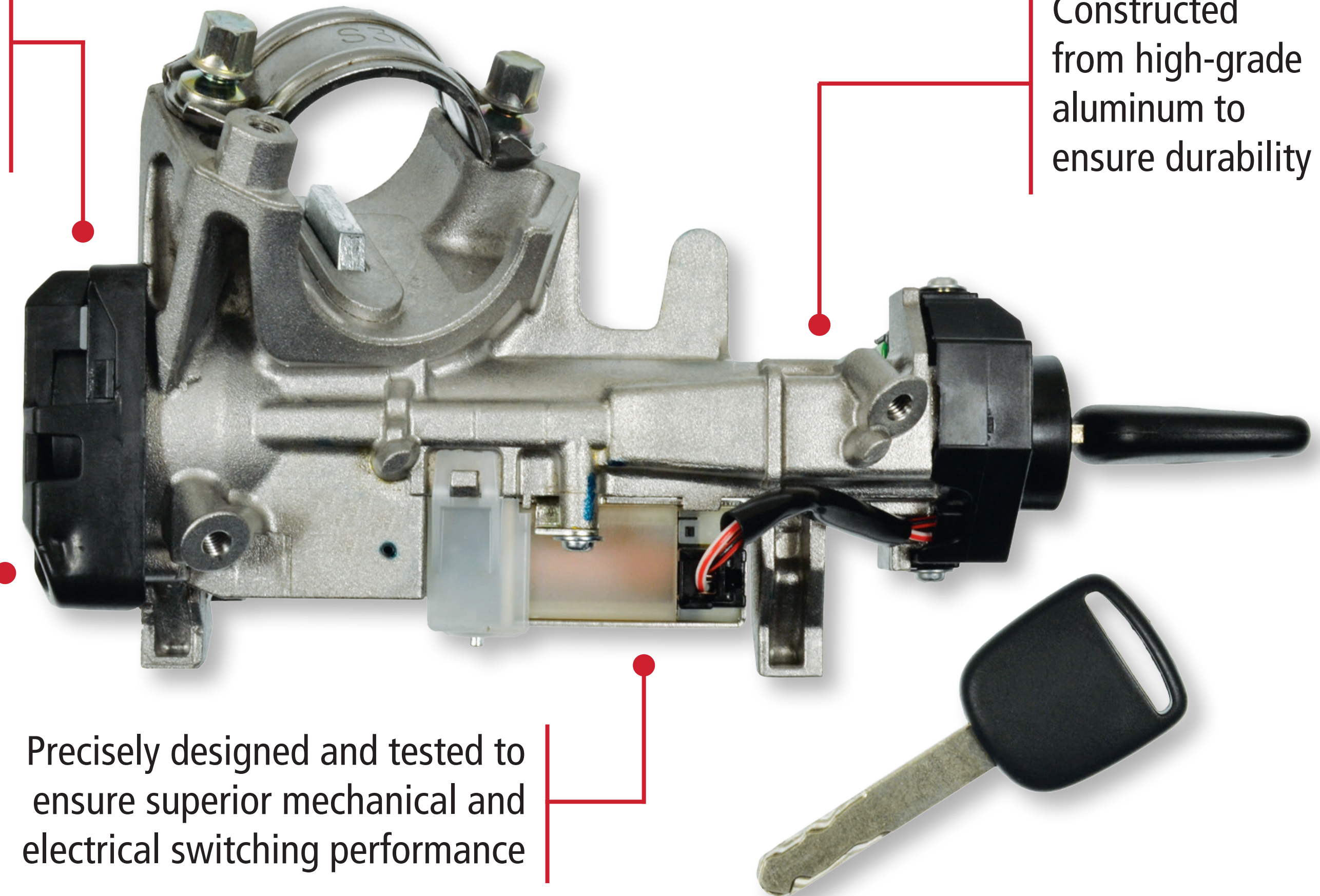
Ignition Switches are also 100% powertrain neutral, meaning they will represent service opportunities for years to come.

NAPA® Echlin® Ignition Switch with Lock Cylinder

Copper alloy conductors ensure superior electrical conductivity with low resistive losses

KS7515
Honda
(2013-08)

100% tested for proper fit, form, and function



Precisely designed and tested to ensure superior mechanical and electrical switching performance



NAPA® Echlin® also offers the newer style push button ignition switches for import and domestic vehicles

NAPA® ECHLIN® IGNITION SWITCHES

Top Movers

IMPORT APPLICATIONS



KS6830

Honda / Acura Cars & SUVs
(2013-02)



KS7370

Hyundai / Kia Cars & SUVs
(2019-10)



KS6853

Honda / Acura Cars
(2003-98)



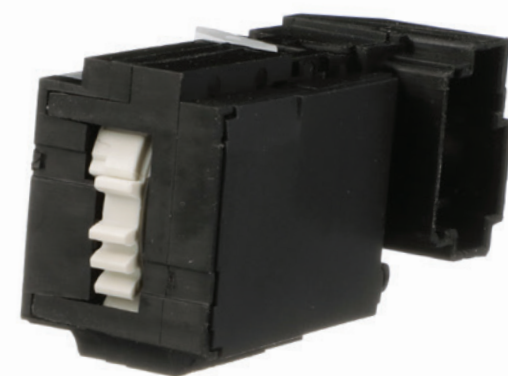
KS7053

Hyundai / Kia Cars & Vans
(2014-06)



KS6770

Nissan Cars, Trucks & SUVs
(2019-00)



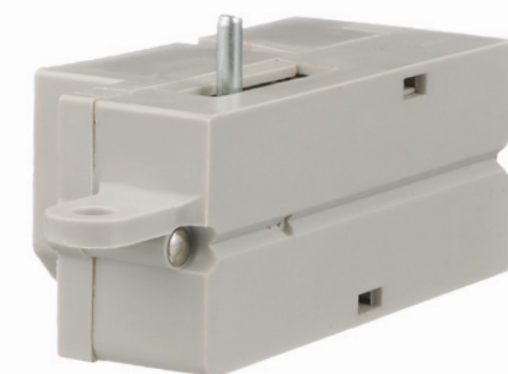
KS6254

GM Cars, Trucks & SUVs
(2011-01)



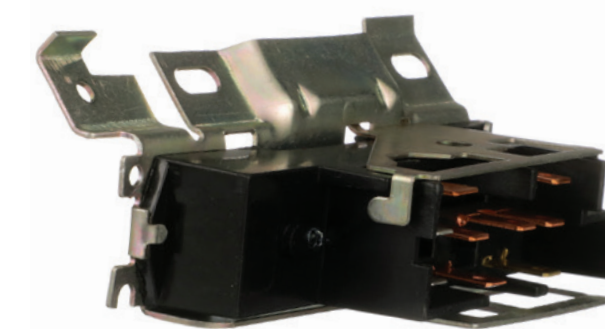
KS6804

Ford / Mercury
Cars, Trucks & SUVs
(2019-00)



KS6667

Ford / Mercury
Cars, Trucks & SUVs
(2004-90)



KS6622

Multiple applications, see
NAPAEchlin.com
for details



KS6861

Chrysler, Dodge, Jeep
Cars & SUVs
(2018-01)

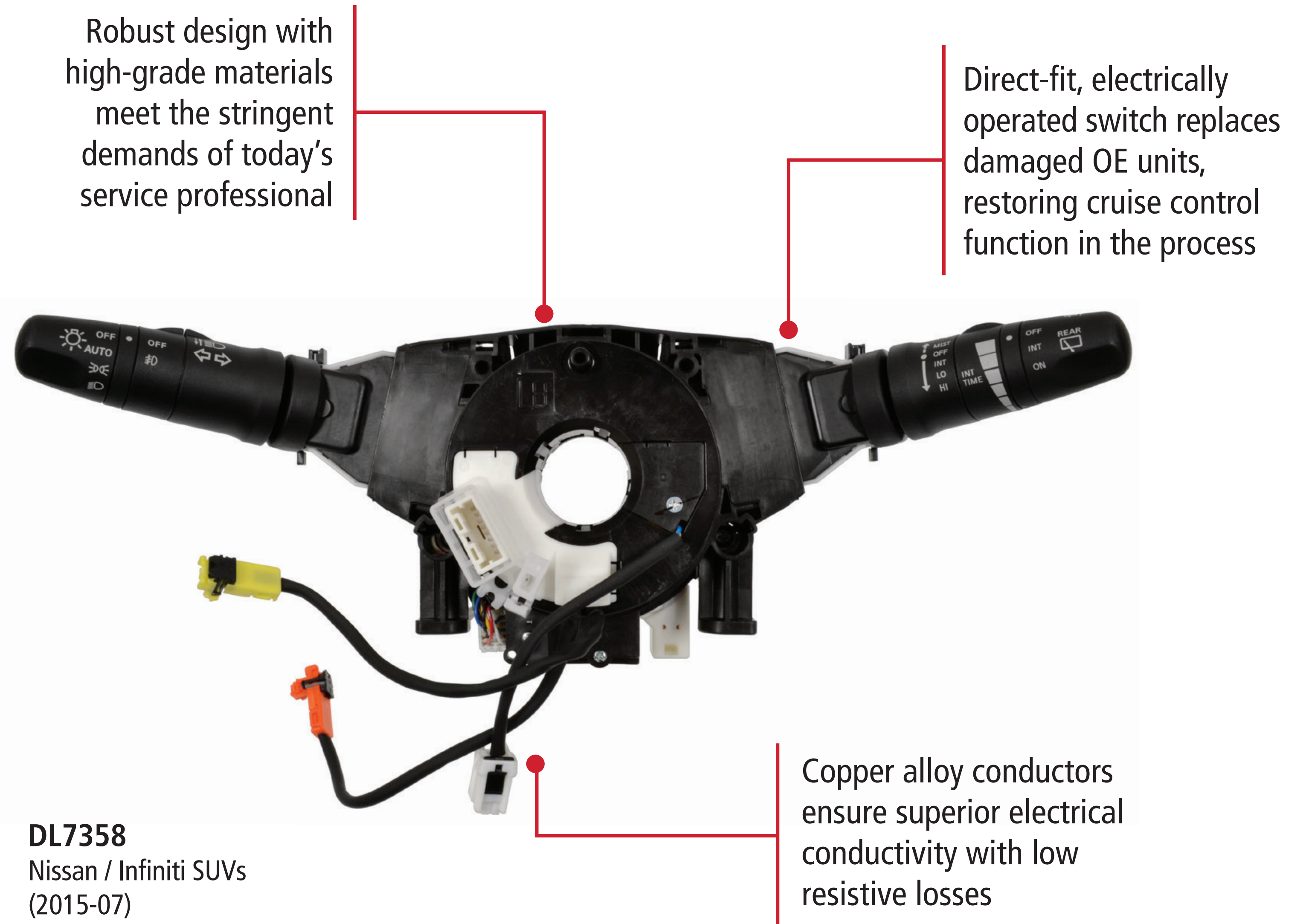
DOMESTIC APPLICATIONS

NAPA® ECHLIN®
INTERIOR SWITCHES

A Closer Look

NAPA® Echlin® offers thousands of direct-replacement interior and driver/passenger-operated switches. All NAPA® Echlin® interior switches are designed and manufactured for a precise fit and correct on-vehicle performance. Interior switches are also entirely powertrain-neutral.

NAPA® Echlin® Combination Switches



NAPA® ECHLIN® COMBINATION SWITCHES

Top Movers

IMPORT
APPLICATIONS



DL7170

Hyundai / Kia Cars & SUVs
(2012-06)



DL6361

Toyota Cars, Trucks & SUVs
(2004-98)



DL7358

Nissan / Infiniti SUVs
(2015-07)



DL7194

Toyota Cars & SUVs
(2015-05)



DL6402

Honda / Acura Cars & SUVs
(2008-00)

DOMESTIC
APPLICATIONS



DL7694

Ford Trucks
(2020-15)



DL7540

Ford Trucks
(2012-11)



DL6740

GM Cars
(2011-04)



DL6739

Ford / Lincoln Trucks
(2008-05)



DL6557

GM Trucks & SUVs
(2009-01)

NAPA® ECHLIN® POWER WINDOW SWITCHES

Top Movers

IMPORT
APPLICATIONS



PA1823

Hyundai Cars
(2015-10)



PA1100

Toyota / Scion
Cars, Trucks & SUVs
(2012-93)



PA1661

Nissan Trucks & SUVs
(2019-07)



PA3589

Toyota / Scion Cars & Vans
(2010-02)



PA1612

Nissan Trucks & SUVs
(2010-10)

DOMESTIC
APPLICATIONS



PA1426

GM Cars, Trucks & SUVs
(2017-07)



PA931

Ford / Lincoln
Cars, Trucks & SUVs
(2008-03)



PA4581

Chrysler, Dodge and RAM
Vans & Trucks
(2022-12)



PA1510

GM Trucks & SUVs
(2007-03)



PA3379

Dodge / RAM
(2012-09)

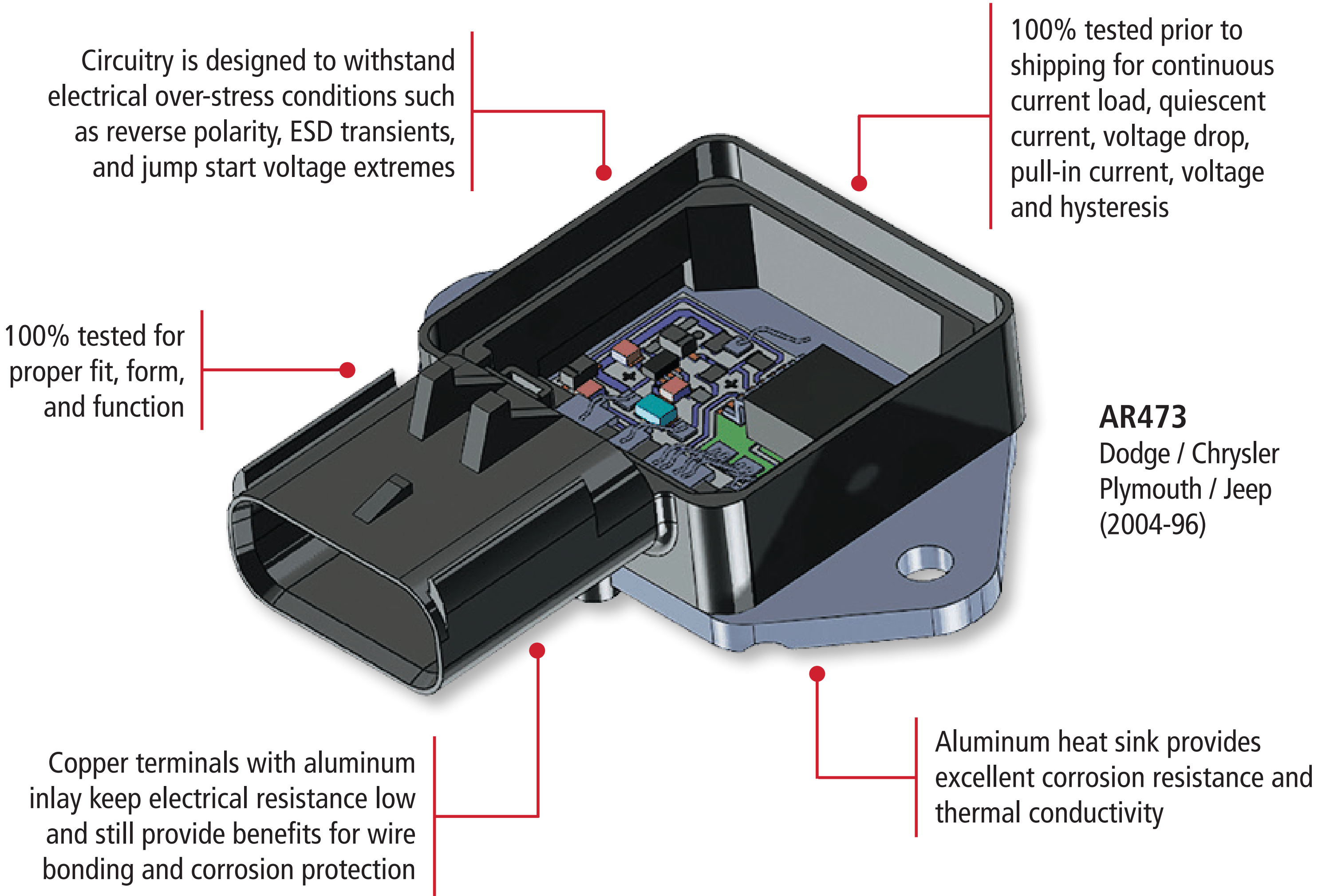
A Closer Look

NAPA® Echlin® Relays are the product of high-quality design, manufacturing and testing. With over 1000 different Relays, NAPA® Echlin® has the Relay you want with the quality and performance your customers need.

NAPA® Echlin® Training Tip

On NAPAEchlin.com, you can search “relay” and quickly filter by amperage and terminal type.

NAPA® Echlin® Engine Cooling Fan Module



AR473
Dodge / Chrysler
Plymouth / Jeep
(2004-96)



Flashers



**Accessory
Relays**



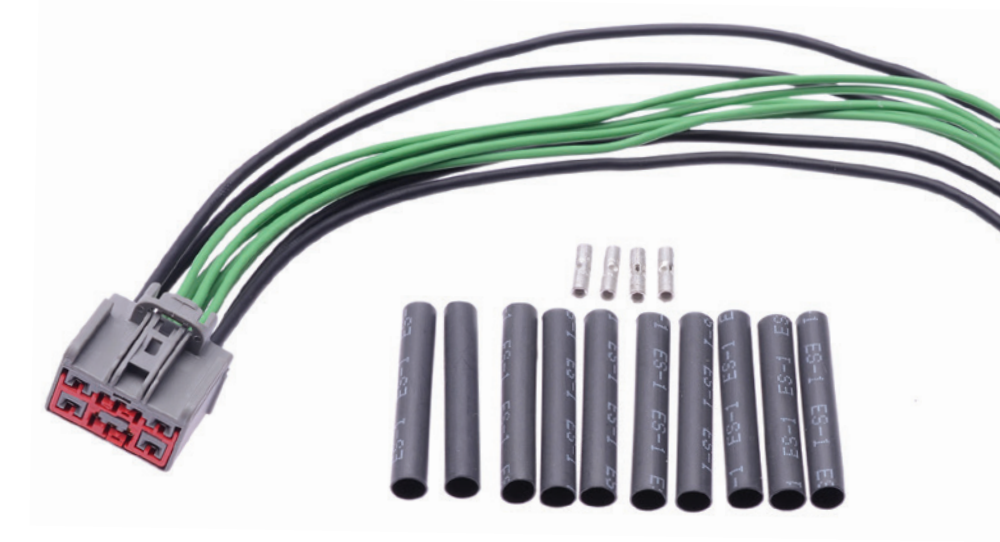
**Starter
Relays**

Related Parts

In addition to over 70 different types of Switches, we also offer the high-quality Connectors you need to get your customers back on the road.

To find the Connector you are looking for, visit [NAPAEchlin.com](https://www.napaechlin.com).

NAPA® Echlin® Switch Connectors



Multi-function Switch Connectors

Door Jamb Switch Connectors

Door Cylinder Anti-Theft Switch Connectors

Oil Pressure Switch Connectors

Door Lock Position Switch Connectors

Coolant Fan Switch Connectors

Heated Seat Switch Connectors

Four Wheel Drive Selector Switch Connectors

Fuel Pump Cut-Off Switch Connectors

Seat Belt Switch Connectors

Fuel Door Release Switch Connectors

Coolant Fan Switch Connectors

Backup Light Switch Connectors

Clutch Pedal Switch Connectors

... and more

NAPA® Echlin® Training Tech Tip

As experienced ASE-certified automotive technicians themselves, NAPA® Echlin® Trainers are experts in engine and sensor technology.



Some switches are “normally open,” some are “normally closed” and others communicate data. Having a vehicle-specific wiring diagram can save time during any electrical diagnostic procedure



On most modern vehicles, the brake light switch will need to be programmed with a scan tool after installation

NAPA® ECHLIN®
SWITCHES & RELAYS

NAPA® Echlin® Professional Training

**Award-Winning In-Person, Live
Virtual, and Online Learning**

NAPA® Echlin® Training delivers accredited classes that educate technicians in the latest automotive repair technologies, and techs can earn CEU credits.

An extension of NAPA® Echlin® training, our extensive ADA-compliant YouTube professional installation video library has over 40 million views and 50,000+ channel subscribers.



**PRO
TRAINING**
ON-DEMAND

NAPA® Echlin® offers an annual subscription to Pro Training On-Demand. This subscription grants access to more than 200 English, and over 50 Spanish 1-hour courses – and the NAPA® Echlin® on-demand library continues to grow. Topics range from fundamentals to advanced concepts, and include HVAC, diesel, hybrid, ignition, injection, electrical and communication diagnosis.



**PRO
TRAINING**
ON-SITE

Whether in-person at your location or virtually via computer, all NAPA® Echlin® Training classes feature a live instructor and are fully interactive as students work through real-life scenarios. Virtual class “workbooks” include on-demand links to video content and student configurable scan data.

Visit NAPAEchlinTraining.com