

**DAVIES,  
CRAIG** PTY. LTD.

INNOVATION - QUALITY - RANGE



Issue date: 10/11

# Catalogue

**Electric Water Pumps**

**Thermatic® Fans**

**Thermal Switches**

**Transmission Oil Coolers**

**Tyre Pressure Monitoring Systems**

**Fan Clutches**

**DC Motors**



# www.daviescraig.com.au



***If you can't find what you're looking for in this catalogue, or need more information, please visit the Davies, Craig website.***

***As well as full product details, the site is constantly updated with news and new product information that will help you with your Davies, Craig product selection.***

## ***About this catalogue:***

This catalogue is designed to provide the reader with selected specification data for the Davies, Craig products which have been described in a general way in this catalogue.

Because of changes in conditions and circumstances, Davies, Craig Pty Ltd reserves the right, at any time, at its discretion, and without notice to discontinue or change the features, designs, materials, colours and other specifications and the prices of its products, and to withdraw either permanently or temporarily any such products from the market without incurring any liability to any prospective purchaser.

Because of variations which occur in manufactured products, all capacities, measurements, dimensions and weights quoted in this catalogue should be taken as approximate only.

Always consult an authorised Davies, Craig Pty Ltd dealer or log on to [www.daviescraig.com.au](http://www.daviescraig.com.au) for the latest information with respect to features, specifications, prices, optional equipment and availability before deciding to place an order.

Catalogue issue date: 10/11. This catalogue replaces the issue dated 10/09.



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# Davies, Craig Pty Ltd



## A History of Service

How did a small Australian company grow to become a world leader in its field? The answer is simple. **Innovation.**

The ability to create new solutions to problems and a commitment to technology, service and quality has made Davies, Craig one of Australia's most successful exporters, providing class-leading automotive cooling products to markets around the world.

## Fanning the Winds of Change

In 1971, belt-driven fans were the only option for automotive cooling. Searching for a more efficient method, Australian engineers Daryl Davies and Bill Craig created the Thermatic® Fan.

Davies, Craig was formed to manufacture the new electric Thermatic® Fans, and has since developed a comprehensive range, covering most makes of vehicle. In 1999 it released the revolutionary universal fit EWP®80 Electric Water Pump, supported by the brushless Electric Booster Pump (EBP®). In 2005 the company launched the EWP®110 which offered increased capacity for larger engines. The release and success of the lightweight, more compact, more powerful EWP®115, and the EWP®/Fan Digital Controller confirmed Davies, Craig as leaders in cooling technology.

## Technology Creating Solutions

Whatever your automotive cooling needs, Davies, Craig has the electric Thermatic® Fan, viscous fan clutch, transmission oil cooler, electric water pumps and the system to manage most engine cooling requirements.

The ability to quickly adapt to the specific engine cooling requirements of both new and existing customers has been a major factor in our success.

Today Davies, Craig tailor-made cooling systems

are supplied as original equipment to automotive manufacturers throughout the world. Davies, Craig was established to satisfy a market need and our ongoing investment in Research and Development will ensure we continue to provide better and more efficient products.

Our facilities include a fully-computerised wind tunnel and balancing machine which provides a fan performance measurement service to the industry. An electronically-controlled cooling system, complete with radiator, fan, Electric Water Pump and programmed heat source, simulates the daily conditions experienced by any car on the road.

As part of its continuous improvement program Davies, Craig invested heavily in two state-of-the-art product testing machines. To further scrutinise ever-increasing sales volumes of our Electric Water Pumps, a Mass Flow Leak Tester and Pressure Decay Tester have been installed in the production line. The Mass Flow Leak Tester is a one-step process designed to pick up any abnormalities in the EWP®80 pump. This specific high-pressure test determines whether there are any abnormalities such as leaks and provides an excellent high-quality test standard and review process. The Pressure Decay Tester will monitor pressure over a given time to determine to any deterioration in pressure of the EWP®115 pump. Both test methods yield finer accuracy and are valuable additions to our EWP® production process.

With increased demands on pump performance and durability, the Electric Water Pump is fast becoming a more popular mode of engine cooling management as the benefits of independent electric water pump operation is becoming more apparent.

## Products Replacing a Belt-driven Fan

At higher speeds, most cars do not require the services of an engine-driven fan, so why waste fuel driving an unnecessary mechanical fan? Davies, Craig electric fans can reduce fuel consumption by up to 15% in six-cylinder cars.



Available for radiators and air conditioning condensers, our fans improve engine power and economy, reduce noise and warm your motor more quickly.

The Thermal Switch activates the fan only when it's needed, protecting your engine from overheating, even when carrying heavy loads. Likewise, the range of universal-fit Electric Water Pumps have achieved an increase of 6% more power in a similar application.

The EWP®/Fan Digital Controller manages the pump output by varying the speed and the coolant flow to maintain the targeted (set) engine temperature. The Controller also manages the activation of the Thermatic® Fan.

### Quality – Setting the Standards

At Davies, Craig, we *created* the Thermatic® Fan ... so we literally set the standards in quality.

in 1994 we became a Quality Endorsed Company, reaching Australian Standards ISO 9002:1994 in production, installation and servicing. This qualification was upgraded to ISO 9001:2008. The Electric Water Pumps are produced under ISO 9001:2008 audit.

### Service and Support – Our Commitment to You

You'll find customer service is the first priority at Davies, Craig. Our entire team works together to satisfy your automotive cooling needs. When you approach Davies, Craig, your enquiries will be answered promptly, and you'll have a cooling solution in your hands as soon as possible.

### OEM Capability

Davies, Craig has the facilities to design and develop an Electric Water Pump for automotive Original Equipment Manufacturing.

Using the latest CAD, rapid prototyping and test equipment the product can be tailor-made to suit dedicated installations.

Joint venture and other commercial types of arrangements are welcome.



**DAVIES,  
CRAIG** PTY.  
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## Electric Water Pump (EWP)<sup>®</sup>

The revolutionary range of Davies, Craig's patented Electric Water Pumps are performance accessories suitable for most makes of engines.

There are two models available: the EWP<sup>®</sup>80 (80 litres per minute) suitable for engines up to 3.0L and the EWP<sup>®</sup>115 (115 litres per minute) for larger, more powerful engines and 4WDs. They are designed to replace a vehicle's existing mechanical belt-driven water pump. Both models are simple, fit-it-yourself electric water pumps – lightweight, compact, more powerful design suitable for small, large, plus high-performance cars and 4WD vehicles.

They are vital performance products that improve engine cooling management while giving more power and torque and evenly dissipating heat soak. All deliver 3% to 5% improved fuel economy while lowering environmental

### The many benefits of the EWP<sup>®</sup> include:

- *increased power and torque*
- *increased cooling capability*
- *eliminating heat soak*
- *better control of engine temperature*
- *flexible options for pump control*

impact by reducing emissions. The EWP<sup>®</sup>80 is sufficient for use as a 'booster' to your existing mechanical pump.

### Options for pump control

#### 1. Use in conjunction with EWP<sup>®</sup>/Fan Digital Controller

The Digital Controller has a micro-processor which will run the EWP<sup>®</sup> at exactly the right flow rate maintaining your set, targeted engine temperature.

#### 2. Use in conjunction with Thermal Switch

Combine the EWP<sup>®</sup> with an adjustable Thermal Switch to add a cooling boost to an overheating mechanical pump cooling system.

#### 3. Continuous Running

Wire the pump to the ignition for maximum cooling – suitable for race vehicles, very hot climates and chronically overheating engines.

Electric Water Pump Kits are supplied with everything you need for DIY installation, including easy-to-understand instructions.

The EWP<sup>®</sup>/Fan Digital Controller is supplied in "Combo Packs" (see pages 7-9) or can be purchased separately.

Thermal switches are sold separately – for details see page 29.

## Electric Booster Pump (EBP)<sup>®</sup>

The EBP<sup>®</sup> (Electric Booster Pump) is a 'brushless' 12 volt, high-flow, magnetically-driven water pump. The EBP<sup>®</sup> motor has no brushes to wear out – ever – and the pump is magnetically driven by the motor, which means that no shaft sealing is required. There is only one moving part, the impeller, and it is floating in the coolant. The pump chamber is hermetically sealed for trouble-free operation.

The EBP's ease of installation, low-current draw, high-flow capacity and long life make it ideal for a range of applications.

The kit (part #9001) comes with everything you need for easy installation including, easy to understand, do-it-yourself instructions.

### The many EBP<sup>®</sup> applications include:

- *booster for car heater and LPG systems*
- *solar and marine applications*
- *water-cooled motorcycle and go-kart engines*
- *turbo air/water intercoolers*
- *caravans and motor homes*
- *household irrigation*

The EBP<sup>®</sup> is available in:

#9001 Kit, #9002 Short, #9012 EBP only

See page 15 for full details.

Questions? Please see "frequently-asked questions" on our website: [www.daviescraig.com.au](http://www.daviescraig.com.au)



*Take total control of cooling your engine*

- ✓ *more power*
- ✓ *more cooling*
- ✓ *increase fuel efficiency*
- ✓ *world-leading technology*
- ✓ *extend engine life*
- ✓ *universal fit*
- ✓ *lightweight alloy*



## ***Turbocharge your engine's cooling system with an EWP®115 Alloy Electric Water Pump***

The revolutionary Davies, Craig **EWP®115 Electric Water Pump** is now available in lightweight aluminium.

Designed for universal engine fitment, and with the high-performance pro, sprint, tarmac, circuit and drag racer in mind, the **EWP®115 Alloy** has 1" NPT internal threads at inlet and outlet for neat, tight, dash fitting applications.

All the same exciting features offered on the EWP®115 are here on the street-smart alloy Electric Water Pump.

This rugged alloy electric water pump is designed to replace the engine's existing mechanical water pump. This essential performance accessory increases power

to your vehicle's drive wheels and improves coolant temperature control.

The EWP®115 Alloy is a universal, do-it-yourself, easy installation fitment to engines up to seven litres.

By removing the parasitic power losses of belt-driven water pumps, the EWP®115 Alloy releases up to 10kW (13hp) of extra power, increased torque and fuel savings.

Combine it with the **EWP® & Fan Digital Controller** and the pump continues to run after you've switched off, eliminating "heat soak" and extending engine life.

The EWP®115 Alloy and EWP® & Fan Digital Controller Combination Pack is the most economical way to increase horsepower and save on fuel consumption whilst caring for your engine.

Please refer to pages 10 and 16 in this catalogue for product specifications.



**EWP®** ELECTRIC WATER PUMP

*The world's most advanced total engine cooling management*

- ✓ *more power*
- ✓ *more cooling*
- ✓ *increase fuel efficiency*
- ✓ *world-leading Australian technology*
- ✓ *extend engine life*
- ✓ *universal fit*

**TWO YEAR WARRANTY**

## **The EWP®115 Electric Water Pump and EWP® & Fan Digital Controller**

The EWP®115 is a simple, DIY electric water pump designed to replace your existing belt-driven water pump.

Lighter and more powerful, the EWP®115 (115 litres per minute) pump is suitable for small, medium, large, high-performance and 4WD vehicles. It's a performance accessory that improves engine cooling control and capacity whilst giving you more power and torque and improved fuel economy.

Mechanical belt-driven water pumps run directly off the motor and sap engine power ... the EWP®115 is hard-wired into your electrical system, by-passing the engine and releasing up to an additional 10kw (13hp).

Combined with the EWP® & Fan Digital Controller, the pump continues to run after you've switched off, eliminating "heat soak" and extending engine life.

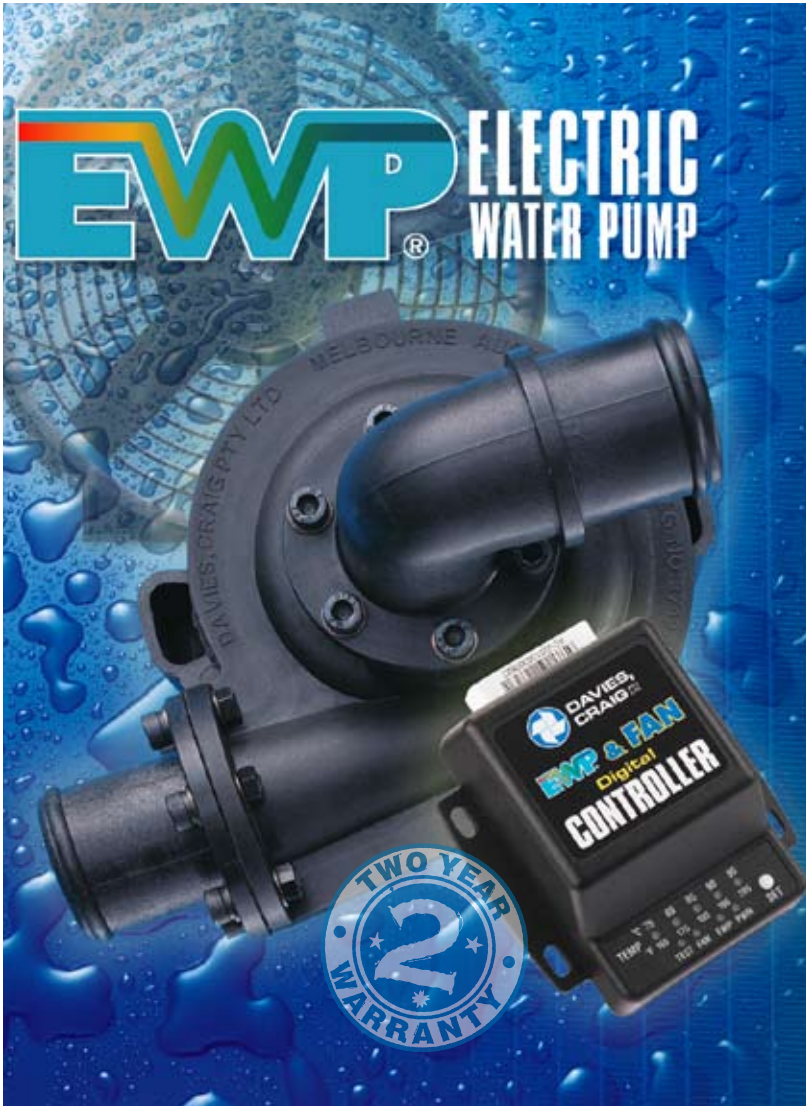
Davies, Craig's revolutionary, Australian-designed EWP® pumps are made from anti-corrosive, lightweight nylon reinforced with fibreglass. Universal fit allows for easy mounting into the bottom radiator hose.

Our kits come with easy-to-understand DIY instructions and everything you need for easy installation, including different couplings to fit every hose size and all necessary electrical wiring.

The EWP®115 and EWP® & Fan Digital Controller Combination Pack is the most economical way to increase horsepower and save on fuel consumption whilst caring for your engine.

Please refer to pages 12 and 16 in this catalogue for product specifications.





The EWP®80 Electric Water Pump and EWP® and Fan Digital Controller Combo – simple, do-it-yourself, easy to install, designed to complement or replace your existing belt-driven, mechanical water pump and engine thermostat.

The EWP®80 will fit most vehicle makes and models fitted with naturally-aspirated or turbo engines up to three litres. The revolutionary, Australian-designed EWP®80 is made from anti-corrosive, lightweight, heat-resistant, glass-filled nylon and incorporates a ceramic faced impellor seal for long-life durability.

The EWP®80 greatly enhances engine cooling control while giving you added power and improved fuel economy. By removing the parasitic power losses of a belt-driven, mechanical water pump the EWP® can provide up to 10kW (13hp) of extra power and increased torque.

The EWP® and Fan Digital Controller will manage both the EWP® and Thematic® fan operations. The Digital Controller will vary the speed of the EWP® in response to the engine's coolant temperature. Five temperature settings are provided on the Controller for either maximum power or fuel efficiency.

The Thematic® Fan/s will be activated automatically once the engine coolant rises 3°C (5.4°F) above the targeted (set) temperature. The Digital Controller will automatically run on for two minutes (or to 5°C/9°F below the set temperature) after engine shut down, eliminating 'heat soak' and extending engine life.

The EWP®80 Digital Controller Combo is supplied in a do-it-yourself kit with everything you need for fitment to your vehicle's engine, including an easy-to-follow DIY instruction booklet.

Please refer to pages 14 and 16 in this catalogue for product specifications.

**Spare Parts**

**EWP® Adaptors**



Part #	Contents
8505	90° Hose adaptor (suits EWP®)



Part #	Contents
8307	Straight adaptor
8309	Elbow adaptor
8510	3mm sleeve rubber adaptor
8511	6mm sleeve rubber adaptor
8509	'O' ring



#1026 #1025 #1029 #1027 #1028

Part #	Contents
1025	Alloy adaptor - 1" NPT
1026	Alloy adaptor - 1¼" NPT
1027	Alloy adaptor straight - 25mm (1")
1028	Alloy adaptor straight - 19mm (¾")
1029	1" NPT-16 adaptor

# Electric Water Pump - Alloy *EWP®115* 115 litres/min

Part #8040

The world's first universal-fit, automotive Electric Water Pump. Suitable for all makes and models but will excel on large six-cylinder V8 engines, heavy-duty 4WDs and most engines over 400HP.



## Technical specifications

Operating voltage	3V DC to 15V DC
Maximum current	10A
Flow rate (max)	115 L/min (1822 US gal/hr) @ 13V DC
Operating temperature	-40° to 130°C (-40° to 266°F)
Pump design	Clockwise centrifugal with volute chamber
Motor life	3,000 hours continuous at 80°C (176°F) and 12V DC; 7,000 hours with an EWP®/Fan Digital Controller
Pump weight	1,151 grams (2.56 lb)
Pump material	Aluminium
Burst pressure	500 kPa (72.5 psi)
Seal	Ceramic face seal
Fits hose sizes	38mm to 51mm (1½" to 2") Internal thread - inlet: 1" NPT - outlet: 1" NPT



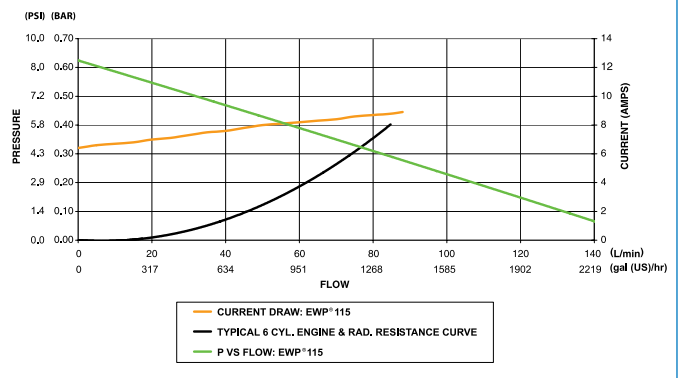
## Kit contents

Part #	Description	Qty
8140	EWP®115 Alloy Pump	1
8515	Wiring harness	1
8510	Sleeve 3mm rubber adaptors	2
8512	Hose clamps	2
8525	Assorted hardware bag - includes relay #0533	1

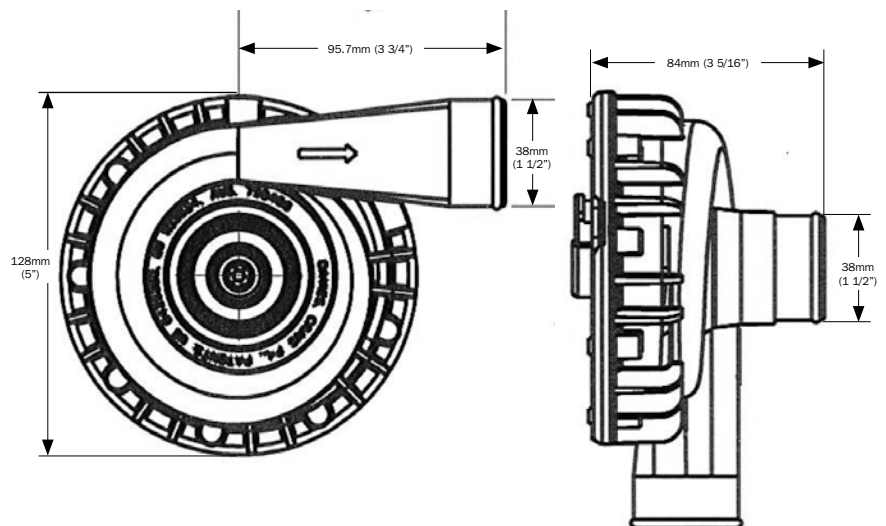
## Options

Part #	Description	Qty
8505	90° Hose adaptor	1
1025	Alloy adaptor 1" (2 required)	1

EWP®115 Pressure v Flow @ 13.0V Actual



## Dimensions



The EWP® is a recirculating pump which is ideal for a 'closed system' similar to an automotive cooling system; it is not 'self-priming'.

# Electric Water Pump - 24 volt *EWP®115* 115 litres/min

**Part #8041**

The world's first universal-fit, automotive Electric Water Pump – to suit 24-volt vehicles too! Can be a practical alternative to the mechanical belt-driven pump or fitted as an auxiliary pump.



## Technical specifications

Operating voltage	10V DC to 27V DC
Maximum current	5.5A @ 24V
Flow rate (max)	115 L/min (1822 US gal/hr) @ 24V DC
Operating temperature	-40° to 130°C (-40° to 266°F)
Pump design	Clockwise centrifugal with volute chamber
Motor life	3,000 hours continuous at 80°C (176°F) and 24V DC;
Pump weight	1,151 grams (2.56 lb)
Pump material	Aluminium
Burst pressure	500 kPa (72.5 psi)
Seal	Ceramic face seal
Fits hose sizes	38mm to 51mm (1½" to 2") Internal thread - inlet: 1" NPT - outlet: 1" NPT



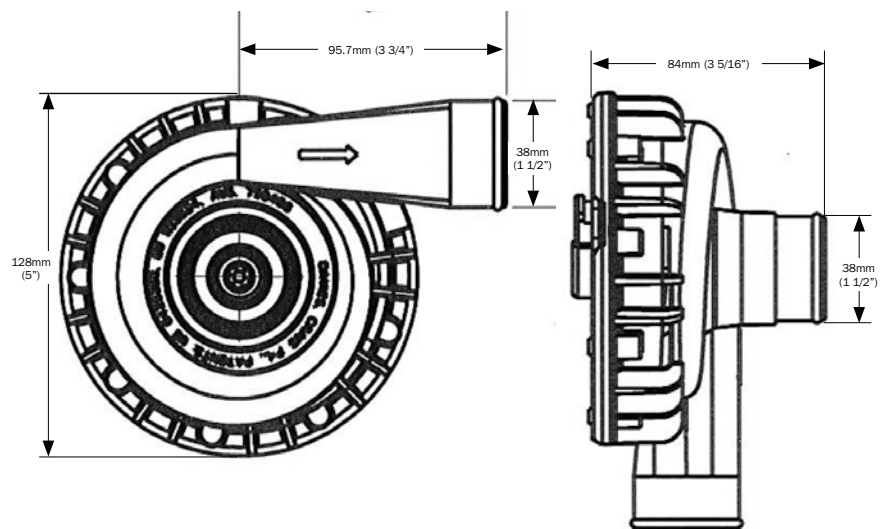
## Kit contents

Part #	Description	Qty
8141	EWP®115 Alloy 24V Pump	1
8515	Wiring harness (with 10A fuse)	1
8510	Sleeve 3mm rubber adaptors	2
8512	Hose clamps	2
8527	Assorted hardware bag - includes 24V relay #0534	1

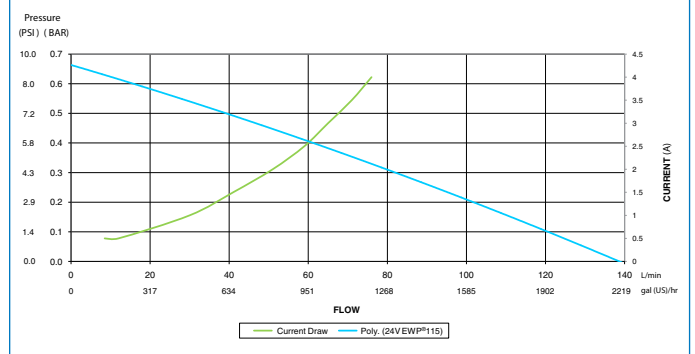
## Option

Part #	Description	Qty
8505	90° Hose adaptor	1
1025	1" NPT alloy adaptors	2

## Dimensions



EWP®115 - 24V Pressure v Flow @ 24.0V Actual



The EWP® is a recirculating pump which is ideal for a 'closed system' similar to an automotive cooling system; it is not 'self-priming'.

# Electric Water Pump EWP®115 115 litres/min

Part #8025

The world's first universal-fit, automotive Electric Water Pump. Suitable for all makes and models but will excel on large six-cylinder V8 engines, heavy-duty 4WDs and most engines over 400HP.



## Technical specifications

Operating voltage	3V DC to 15V DC
Maximum current	10A
Flow rate (max)	115 L/min (1822 US gal/hr) @ 13V DC
Operating temperature	-40° to 130°C (-40° to 266°F)
Pump design	Clockwise centrifugal with volute chamber
Motor life	3,000 hours continuous at 80°C (176°F) and 12V DC; 7,000 hours with an EWP®/Fan Digital Controller
Pump weight	980 grams (2.16 lb)
Pump material	Nylon 66, 30% glass-filled
Burst pressure	500 kPa (72.5 psi)
Seal	Ceramic face seal
Fits hose sizes	38mm to 51mm (1½" to 2")



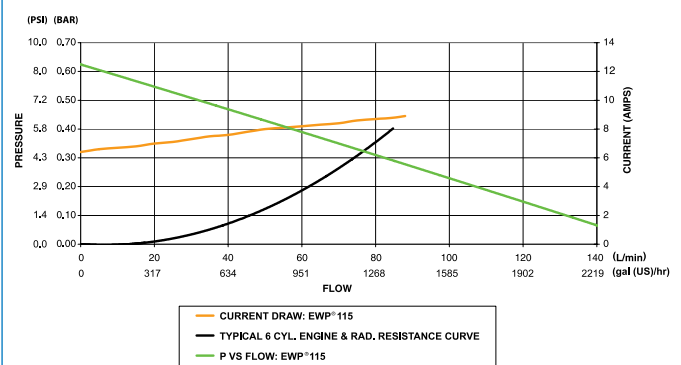
## Kit contents

Part #	Description	Qty
8125	EWP®115 Pump	1
8515	Wiring harness	1
8510	Sleeve 3mm rubber adaptors	2
8512	Hose clamps	2
8525	Assorted hardware bag - includes relay #0533	1

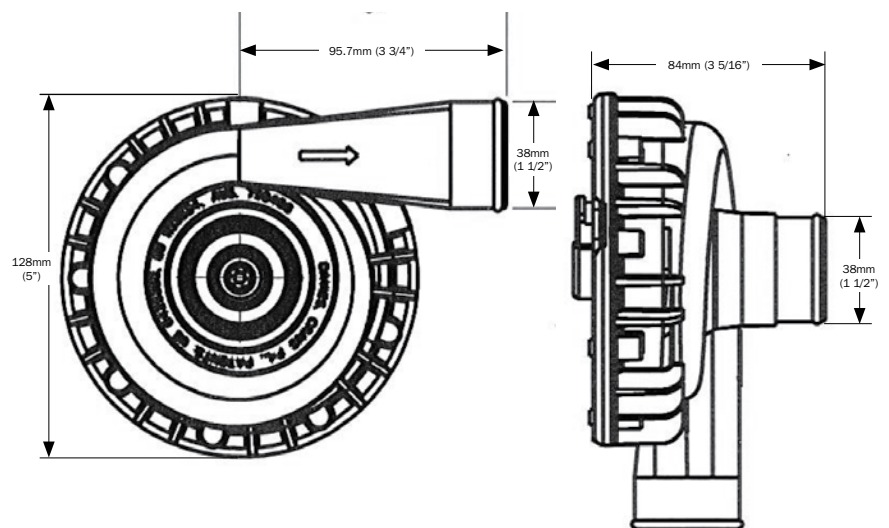
## Option

Part #	Description	Qty
8505	90° Hose adaptor	1

## EWP®115 Pressure v Flow @ 13.0V Actual



## Dimensions



The EWP® is a recirculating pump which is ideal for a 'closed system' similar to an automotive cooling system; it is not 'self-priming'.

# Electric Water Pump - 24 volt *EWP®115* 115 litres/min

Part #8026

The world's first universal-fit, automotive Electric Water Pump – to suit 24-volt vehicles too! Can be a practical alternative to the mechanical belt-driven pump or fitted as an auxiliary pump.



## Technical specifications

Operating voltage	10V DC to 27V DC
Maximum current	5.5A @ 24V
Flow rate (max)	115 L/min (1822 US gal/hr) @ 13.5V DC
Operating temperature	-40° to 130°C (-40° to 266°F)
Pump design	Clockwise centrifugal with volute chamber
Motor life	3,000 hours continuous at 80°C (176°F) and 12V DC;
Pump weight	980 grams (2.16 lb)
Pump material	Nylon 66, 30% glass-filled
Burst pressure	500 kPa (72.5 psi)
Seal	Ceramic face seal
Fits hose sizes	38mm to 51mm (1½" to 2")



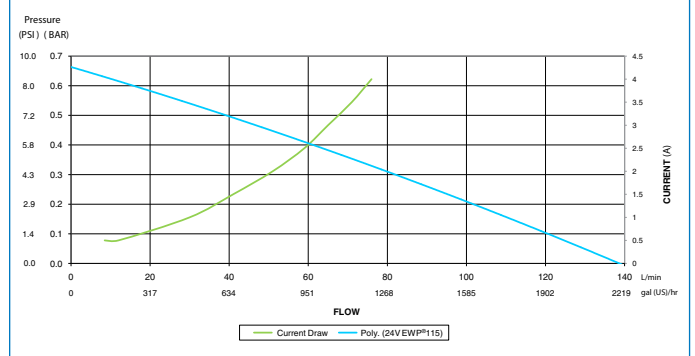
## Kit contents

Part #	Description	Qty
8126	EWP®115 24V Pump	1
8515	Wiring harness	1
8510	Sleeve 3mm rubber adaptors	2
8512	Hose clamps	2
8527	Assorted hardware bag - includes relay #0534	1

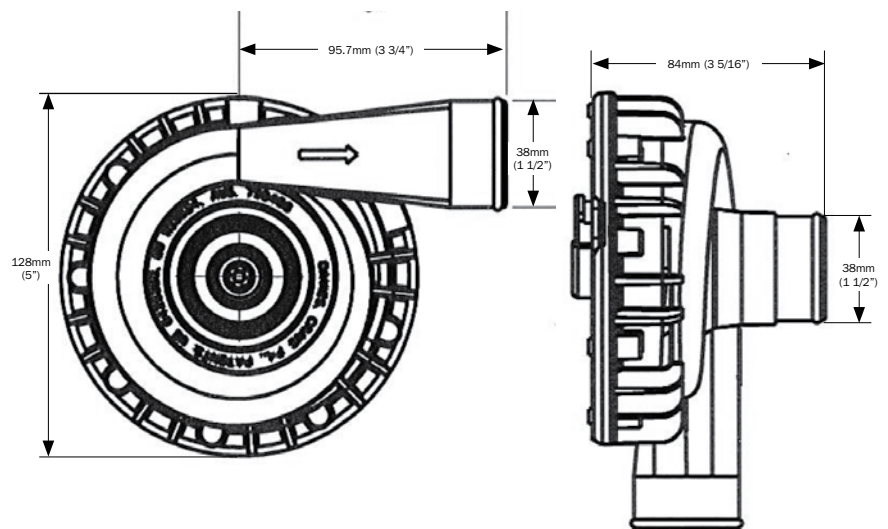
## Option

Part #	Description	Qty
8505	90° Hose adaptor	1

EWP®115 - 24V Pressure v Flow @ 24.0V Actual



## Dimensions



The EWP® is a recirculating pump which is ideal for a 'closed system' similar to an automotive cooling system; it is not 'self-priming'.

The world's first universal-fit, automotive Electric Water Pump. Suitable for naturally-aspirated and turbo engines up to 3 litres.



## Technical specifications

Operating voltage	3V DC to 15V DC
Maximum current	7.5A
Flow rate (max)	80 L/min (1268 US gal/hr) @ 13.5V DC
Operating temperature	-20° to 130°C (-4° to 266°F)
Pump design	Clockwise centrifugal with volute chamber
Motor life	3,000 hours continuous at 80°C (176°F) and 12V DC; 6,000 hours with an EWP®/Fan Digital Controller
Pump weight	900 grams (2.0 lb)
Pump material	Nylon 66, 30% glass-filled
Burst pressure	350 kPa (50 psi)
Seal	Ceramic face seal
Fits hose sizes	32mm to 51mm (1¼" to 2")



## Kit contents

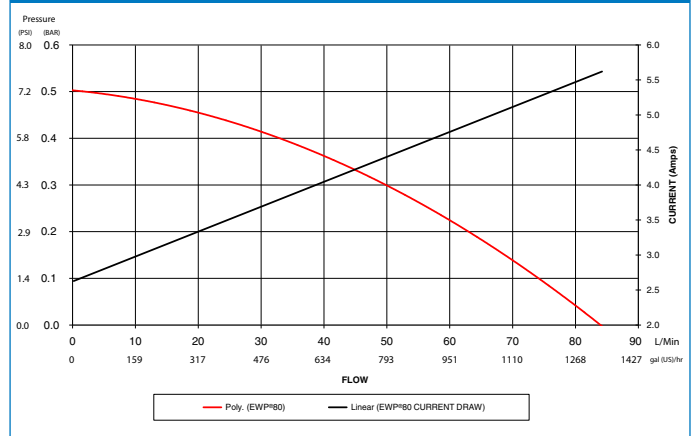
Part #	Description	Qty
8105	EWP®80 Pump	1
8307	Straight adaptor	1
8309	Elbow adaptor	1
8509	O ring	2
8515	Wiring harness	1
8510	Sleeve 3mm rubber adaptors	2
8511	Sleeve 6mm	2
8512	Hose clamps	2
8908	Assorted hardware bag - includes relay #0533	1

## Options

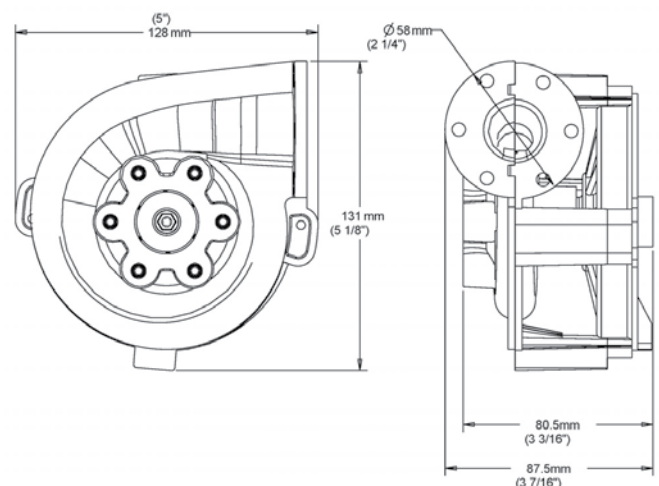
Part #	Description	Qty
1025	Alloy adaptor - 1"	1 *
1026	Alloy adaptor - 1¼"	1 *
1027	Alloy adaptor straight - 26mm	1 *
1028	Alloy adaptor straight - 19mm	1 *

\* 2 required

EWP®80 Pressure v Flow @ 13.0V Actual



## Dimensions



The EWP® is a recirculating pump which is ideal for a 'closed system' similar to an automotive cooling system; it is not 'self-priming'.

# Electric Booster Pump (EBP®) 15 litres/min

*A high-performance brushless motor, magnetic-drive pump. Compact and versatile 12V pump for a range of applications.*

Davies, Craig developed the Electric Booster Pump (EBP®), designed for use with either an EWP® or a conventional mechanical water pump to enhance the heater and LPG systems.

This high-performance 15 litre per minute, 12 volt, brushless, magnetically-driven EBP has drawn high acclaim globally for its diversity of applications. These include booster for car heater and LPG systems, solar and marine applications, water-cooled motorcycle, go-kart engines, turbo air/water intercoolers, caravans, motor homes and domestic irrigation.

## Technical specifications

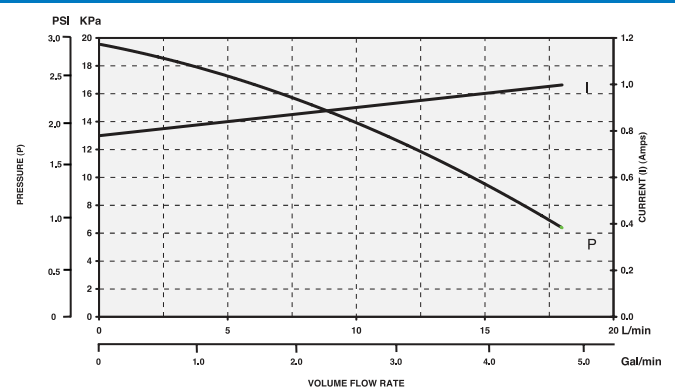
Motor	12V brushless
Operating voltage	9V DC to 15V DC
Maximum current	1.3A
Flow rate	15 L/min (4 US gal/min) @ 10 kPa
Operating temperature	-40° to 120°C (-40° to 248°F)
Pump design	Recirculating centrifugal
Motor life	15,000 hours at 80°C (176°F) continuous
Pump weight	245 grams (0.54 lb)
Pump material	Nylon 66, 30% glass-filled
Burst pressure	250 kPa (36 psi) minimum
Fits hose size	19mm (¾") 12.5mm to 19mm (½" to ¾") using stepped adaptors

## Kit contents

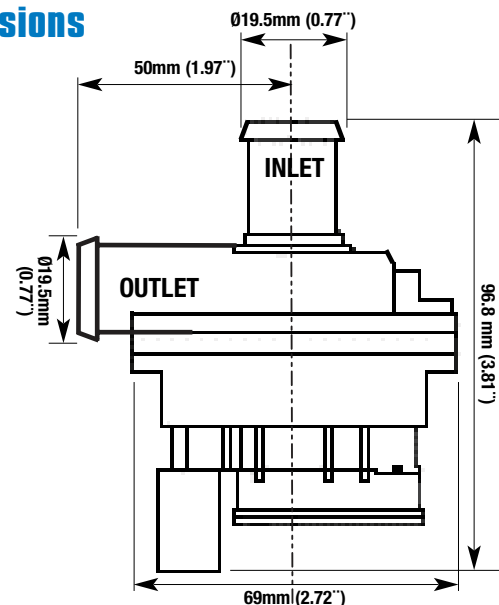
Part #9001 (Kit)	Description	Qty
9012	Electric Booster Pump	1
9020	Adaptor - stepped: 19mm, 15mm, 12.5mm	2
9511	Hose clamps	4
9516	Wiring harness	1
9510	Hose	2
9901	Fitting instructions	1
Part #9002 (Short)		
9012	Electric Booster Pump	1
9516	Wiring harness	1
Part #9012 (Electric Booster Pump only)		
9012	Electric Booster Pump	1



EBP® Performance Curve @ 13.0V Actual



## Dimensions



The EBP® is a recirculating pump which is ideal for a 'closed system' similar to an automotive cooling system; it is not 'self-priming'.

For optimum control of Electric Water Pumps. Suits Davies, Craig EWP® 80, EWP® 115, EBP® and Thematic® Fans.

The updated Digital Controller now has two specific functions.

This unique Digital Controller will manage the operation of the EWP® by varying the speed of the pump in response to the coolant temperature and manage control of your electric engine fan. The Controller has a push-button on the fascia panel that offers five target temperatures: 75°C, 80°C, 85°C, 90°C and 95°C (165°, 175°, 185°, 195° and 205°F).

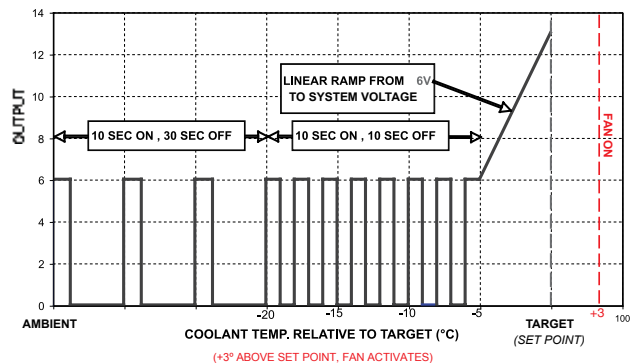
Generally, higher engine temperature will offer improved fuel efficiency and lower engine temperature more power. The Digital Controller will operate the engine's electric fan automatically once the engine has reached 3°C (5.4°F) above the targeted (set) temperature. Another significant benefit is that the Controller allows the EWP® to run on after ignition shutdown to eliminate heat soak.



## Technical specifications

Input voltage	12V DC to 15V DC
Output voltage	5V to 15V
Maximum current	12A
Operating temperatures	-20° to 60°C (-5° to 140°F)
Targeted (set) temperatures	75°C, 80°C, 85°C, 90°C and 95°C (165°, 175°, 185°, 195° and 205°F)
Fan cut-in temperature	3°C (5.4°F) above the targeted (set) temperature
Controller type	PCB with micro-processor
Sensor type	Thermister in housing
Time-out	2 minutes maximum or set -5°C (23°F)
Indicator LEDs	Temperature, power, EWP, test, fan
Weight	90 grams (3.2 oz)
Dimensions	101mm (l) x 95mm (w) x 35mm (d)

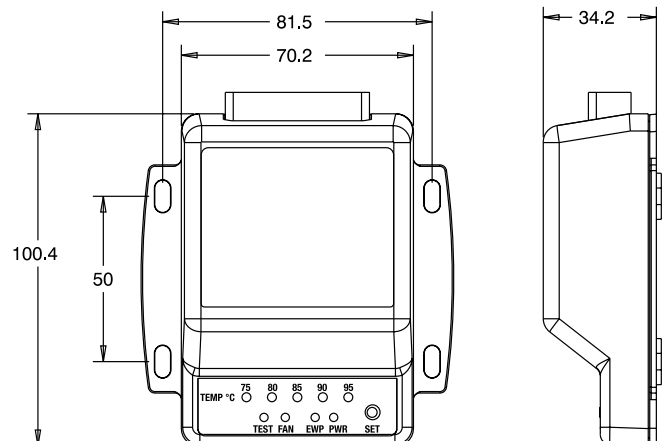
## Digital Controller operation



## Kit contents

Part #	Description	Qty
8120	Digital Controller	1
8920	Instructions	1
8411	Wiring harness	1
0410	In-line adaptor	1
8510	Sleeve 3mm rubber adaptors	2
8512	Hose clamp	2
8414	Thermal sensor	1
	Assorted hardware	

## Dimensions







## Thermatic® Fans

A Davies, Craig Thermatic® Fan Kit is suitable for both condenser (air-conditioning) and radiator (engine) cooling. An efficient and economical method of automotive cooling, Thermatic® Fans are one of the most important cooling components on any vehicle.

### Thermatic® Fans provide:

- constant air flow regardless of vehicle speed
- increased fuel economy
- increased air conditioning performance due to more constant air flow
- cooler engine running
- low profile, high performance, increased engine power
- fully reversible blades and polarity for bi-directional air flow
- 12-volt and 24-volt models available.



All Davies, Craig Thermatic® Fan Kits are packaged complete with fan assembly, wiring loom, relay, detailed instructions and mounting hardware for quick and easy installation.

### Thermatic® Fans – Shorts

A Davies, Craig Thermatic® Fan is suitable for condenser (air conditioning and refrigeration) cooling. An efficient and economical method of cooling, a Davies, Craig Thermatic® Fan is the most important component on any cooling/refrigeration system.

### This results in:

- strong, consistent, high-capacity air flow
  - increased air conditioning/refrigeration performance
  - fully-reversible blades and polarity for bi-directional air flow
  - low profile, high performance
- 12-volt and 24-volt models available



DCSL10



DCSL12



DCSL14



DCSL16

**KITS INCLUDE:** fan assembly, wiring loom, relay, mounting feet, hardware and instruction sheets.

**SHORTS INCLUDE:** fan assembly (motor, fan blade, shroud and mounting feet).

## What size Thermatic® Fan do I need?

If your car make is not listed in our Model Selection Guide (see page 30) we suggest the following:

- Measure your radiator core dimensions and refer to “Fan Models” (eg, DCSL14 is our 14” fan and so on) to check which fan/s will fit your core.
- Our fans are reversible so select a fan that will fit upstream (between grille and radiator) or downstream (between engine and radiator).
- In general, one large fan will have better airflow than two smaller fans. Where radiator is rectangular there may be no choice but to fit two smaller fans; choose the largest that can be accommodated in space available.

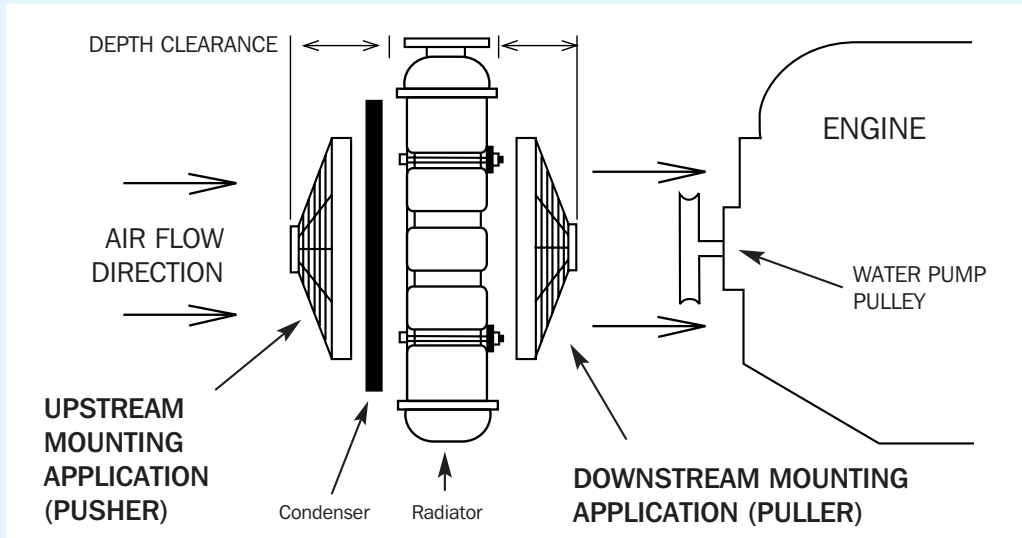
The fan can also be mounted offset from centre to clear engine components when mounted in the downstream position.

**Note:** Fans should not be fitted on opposite sides of radiator core unless these are offset such that the airflow of one is not interfering with the airflow of the other.

- If you require advice, please contact Davies, Craig for assistance:

T: +61 3 9369 1234 or

E: [info@daviescraig.com.au](mailto:info@daviescraig.com.au)



Questions? Please see “frequently-asked questions” on our website: [www.daviescraig.com.au](http://www.daviescraig.com.au)

**The continued influx of four-wheel drives, the downsizing of passenger motor vehicles and the global pressure on car manufacturers to reduce engine fuel consumption in mass production vehicles, has led to the rapid growth in the use of electric Thermatic® Fans.**

An efficient and economical method of automotive cooling, electric fans, along with electric water pumps are ranked as the fastest growing segments within the ‘Cooling Systems Technology’ groups around the world today.

With multiple uses for primary and supplementary add-on cooling, electric fans are one of the most important cooling components on today’s vehicles.

Thermatic® Fans are an excellent solution for vehicles requiring additional air flow. As an add-on cooling source electric fans reduce the workload on the primary cooling fan. Additional air flow increases operating efficiencies on applications from small, medium, large, recreational and competition vehicles.

As a primary cooling source, Thermatic® Fans provide:

- *Economical replacement for failed Original Equipment (OE) fans.*
- *5-10% increase in engine power and fuel saving when replacing the fan clutch and mechanical belt-driven fan assemblies*
- *More mounting options - reversible blades for pusher (upstream) or puller (downstream) applications*
- *Compatibility with all electric fan controls*
- *Coverage for a wide variety of vehicle applications*

As an add-on source, Thermatic® Fans provide:

- *Constant air flow regardless of vehicle speed*
- *Increased air conditioning performance due to more constant air flow across the condenser*
- *Increased Automatic Transmission Oil Cooler performance due to more constant air flow across the heat transfer core*
- *With the conversion from R12 to R134A refrigerant there is a need for additional condenser cooling to ensure the overall improved efficiency of the cooling system is maintained*

# Customised Chrome Fans

A Davies, Craig Customised Chrome Thermatic® Fan Kit is ideal for open engine compartment street rods, show cars, custom cars and high-performance vehicles. Limited Edition chrome fan kits have been produced for the enthusiast to save you all the necessary time and effort when choosing that bright, stylised, effective fan for your vehicle.

- » All Customised Chrome Thermatic® Fan Kits are suitable for both condenser and radiator cooling.
- » The low-profile, high-performance Customised Chrome Thermatic® Fans provide:
  - constant powerful air flow which increases air conditioning performance,
  - cooler engine operation,
  - increased engine power and
  - lower fuel consumption.
- » All Davies, Craig Thermatic® Fans offer reversible polarity and blades for bi-directional, upstream (pusher) and/or downstream (puller) air flow as standard equipment.
- » All Davies, Craig Customised Chrome Thermatic® Fan Kits are packaged complete with relay, wiring loom, mounting hardware and easy-to-follow fitting instructions for a quick and tidy installation.



Chrome Fan kits			Chrome Fans - shorts		
Part #	Description		Part #	Description	
0071	DCSL10	10"	0183	DCSL10 Short	10"
0072	DCSL12	12"	0184	DCSL12 Short	12"
0073	DCSL14	14"	0185	DCSL14 Short	14"
0074	DCSL16	16"	0186	DCSL16 Short	16"

Specifications: see pages 22, 24, 25 and 28 respectively

## Chrome Fans with black blades - shorts

Part #	Description	
0187	DCSL10 (black blades) Short	10"
0188	DCSL12 (black blades) Short	12"
0189	DCSL14 (black blades) Short	14"
0190	DCSL16 (black blades) Short	16"

Specifications: see pages 22, 24, 25 and 28 respectively



**KITS INCLUDE:** fan assembly, wiring loom, relay, mounting feet, hardware and instruction sheets.

**SHORTS INCLUDE:** fan assembly (motor, fan blade, shroud and mounting feet).

**This fan assembly is set up for upstream applications. For downstream applications the fan blade must be removed and turned over and the polarity reversed. Always check that the fan blade rotates in the direction shown by the arrows on the blade before making a permanent wiring connection and prior to fastening the unit to the radiator.**

Part #	Description
0035	DCSL8 Fan Kit (12 volt)
0135	DCSL8 Short (12 volt)

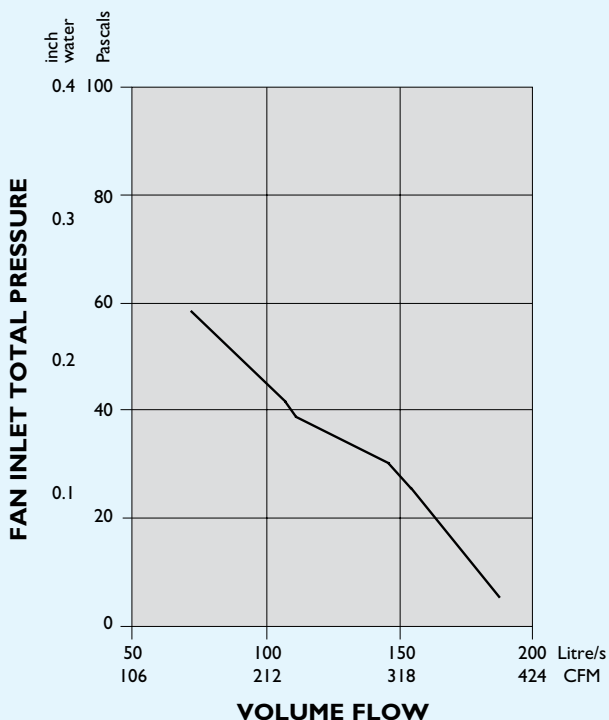
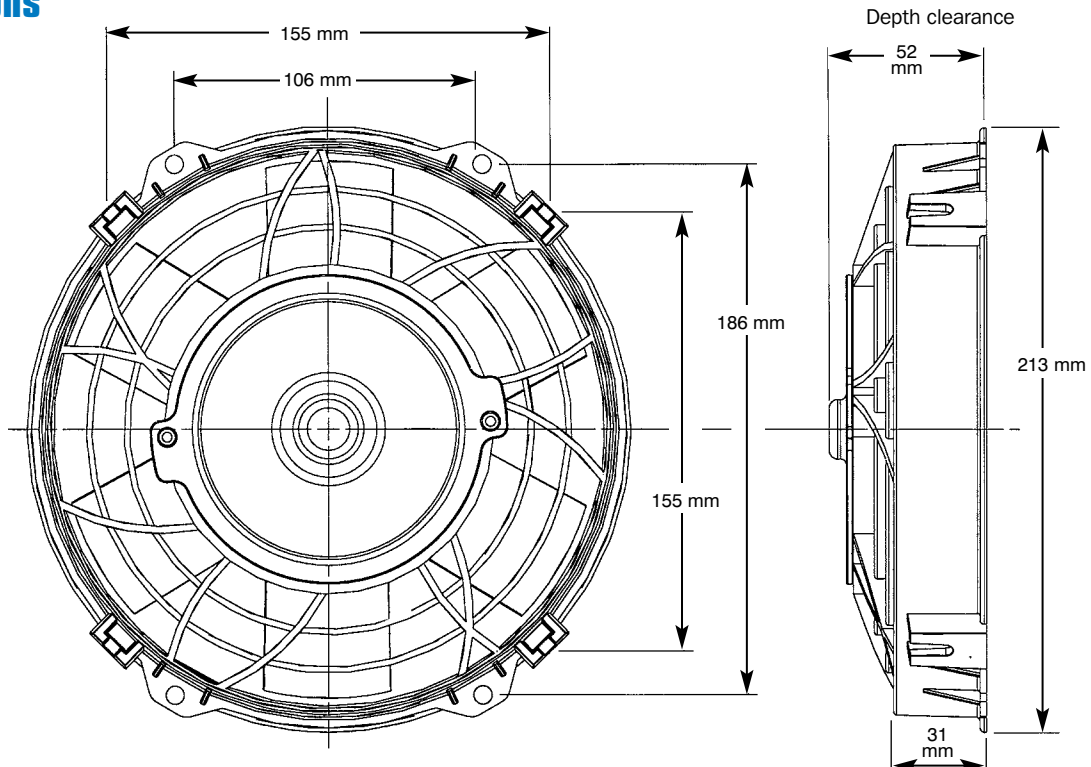
Part #	Description
0036	DCSL8 Fan Kit (24 volt)
0136	DCSL8 Short (24 volt)

**KITS INCLUDE:** fan assembly, wiring loom, relay, mounting feet, hardware and instruction sheets.

**SHORTS INCLUDE:** fan assembly (motor, fan blade, shroud and mounting feet).

**This fan assembly is set up for upstream applications. For downstream applications the fan blade must be removed and turned over and the polarity reversed. Always check that the fan blade rotates in the direction shown by the arrows on the blade before making a permanent wiring connection and prior to fastening the unit to the radiator.**

## Dimensions



## Specifications

**Maximum current** 5.0A (12 volt) / 2.4A (24 volt)

**Life** 1,500 hours at 80°C (176°F)

**Weight** 0.88kg (1.94lb)

## Components

Part #	Description
0213	Motor (12 volt)
0215	Motor (24 volt)
0328	Rotor (reversible, glass-filled nylon)
0372	Shroud (glass-filled polypropylene)
0563	Hardware (12 volt)
0563a	Hardware (24 volt)
0532	Wiring loom
0533	12V relay (40 amps)
0534	24V relay (30 amps)
0604	Mounting feet



Part #	Description
0060	DCSL9 Fan Kit (12 volt)
0160	DCSL9 Short (12 volt)

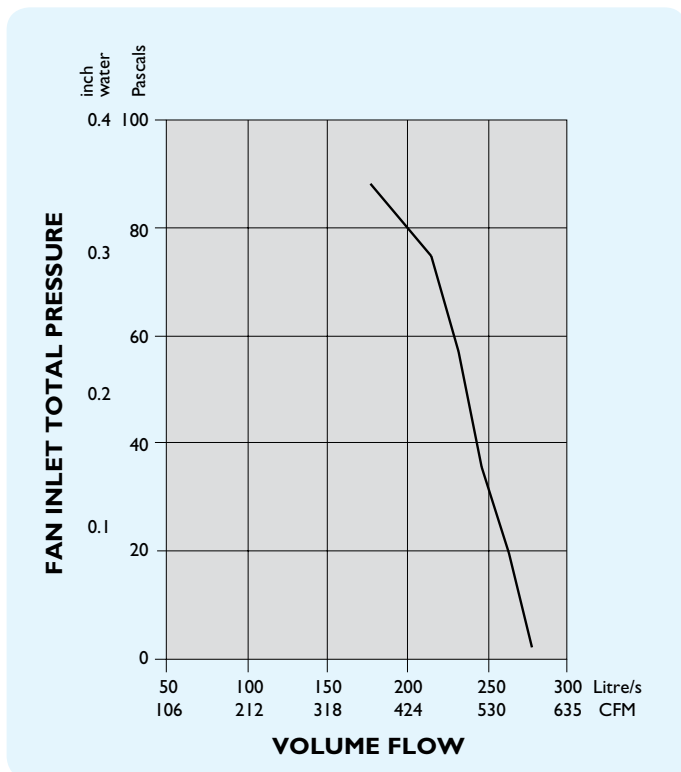
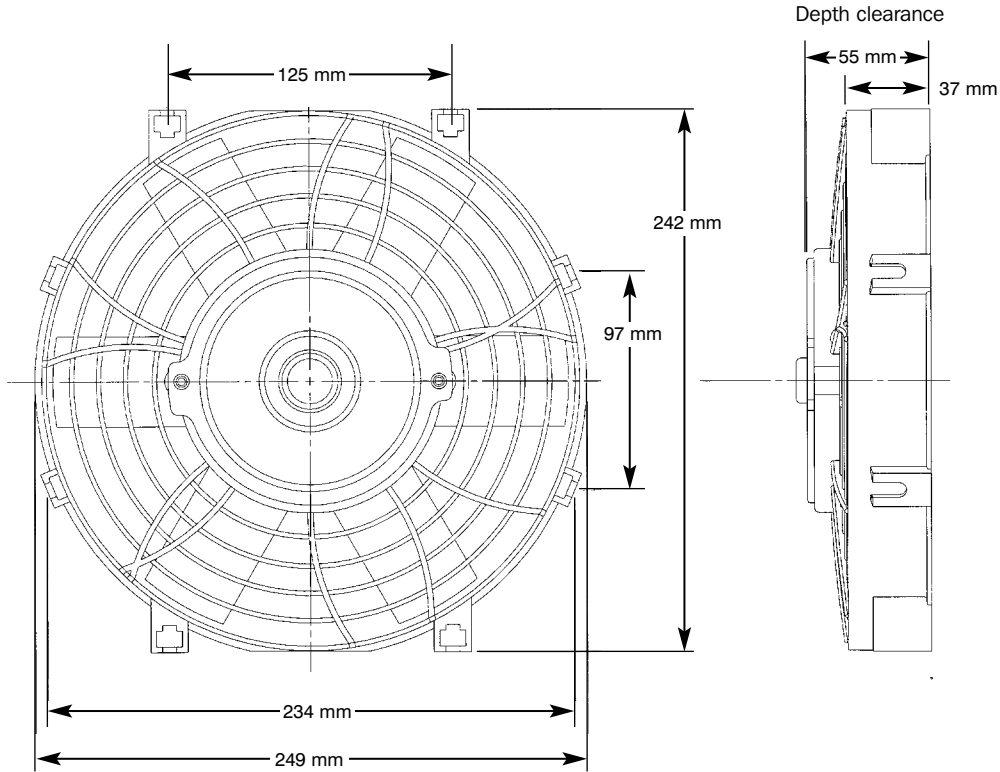
Part #	Description
0061	DCSL9 Fan Kit (24 volt)
0161	DCSL9 Short (24 volt)

**KITS INCLUDE:** fan assembly, wiring loom, relay, mounting feet, hardware and instruction sheets.

**SHORTS INCLUDE:** fan assembly (motor, fan blade, shroud and mounting feet).

**This fan assembly is set up for upstream applications. For downstream applications the fan blade must be removed and turned over and the polarity reversed. Always check that the fan blade rotates in the direction shown by the arrows on the blade before making a permanent wiring connection and prior to fastening the unit to the radiator.**

## Dimensions



## Specifications

Maximum current	6.5A (12 volt) / 3.25A (24 volt)
Life	1,500 hours at 80°C (176°F)
Weight	0.93kg (2lb)

## Components

Part #	Description
0213	Motor (12 volt)
0215	Motor (24 volt)
0320	Rotor (reversible, glass-filled nylon)
0364	Shroud (glass-filled polypropylene)
0563	Hardware (12 volt)
0563a	Hardware (24 volt)
0532	Wiring loom
0533	12V relay (40 amps)
0534	24V relay (30 amps)
0604	Mounting feet



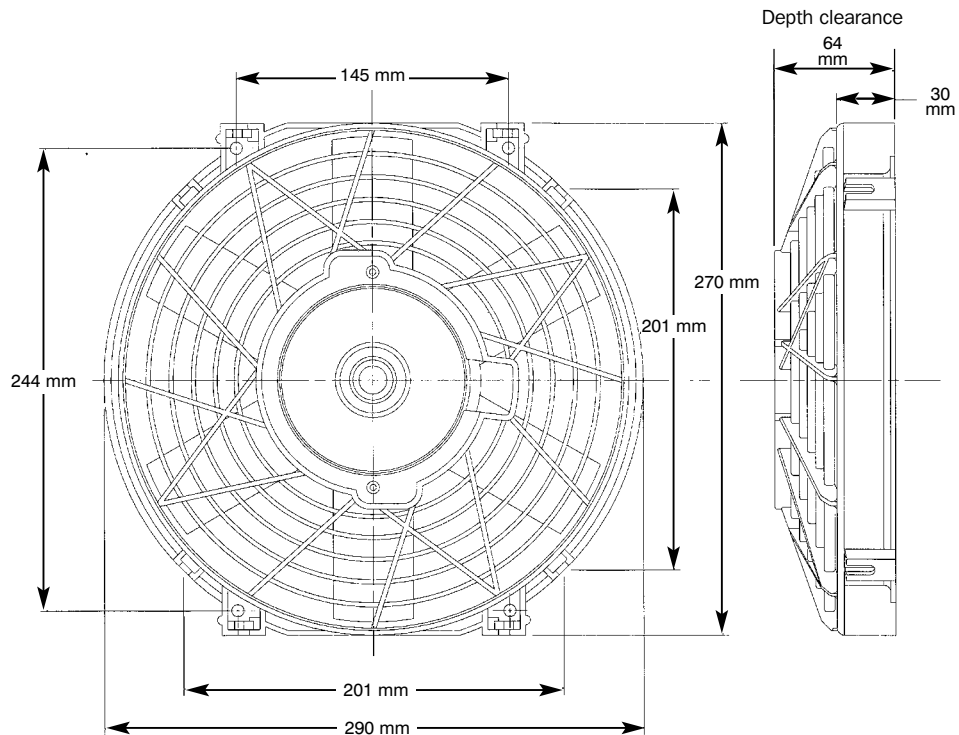
Part #	Description
0045	DCSL10 Fan Kit (12 volt)
0145	DCSL10 Short (12 volt)
0071	DCSL10 Chrome Fan Kit (12 volt)
0183	DCSL10 Chrome Fan Short (12 volt)
0187	DCSL10 Chrome Fan (black blades) Short (12 volt)

Part #	Description
0046	DCSL10 Fan Kit (24 volt)
0146	DCSL10 Short (24 volt)

**KITS INCLUDE:** fan assembly, wiring loom, relay, mounting feet, hardware and instruction sheets.  
**SHORTS INCLUDE:** fan assembly (motor, fan blade, shroud and mounting feet).

**This fan assembly is set up for upstream applications. For downstream applications the fan blade must be removed and turned over and the polarity reversed. Always check that the fan blade rotates in the direction shown by the arrows on the blade before making a permanent wiring connection and prior to fastening the unit to the radiator.**

## Dimensions



## Specifications

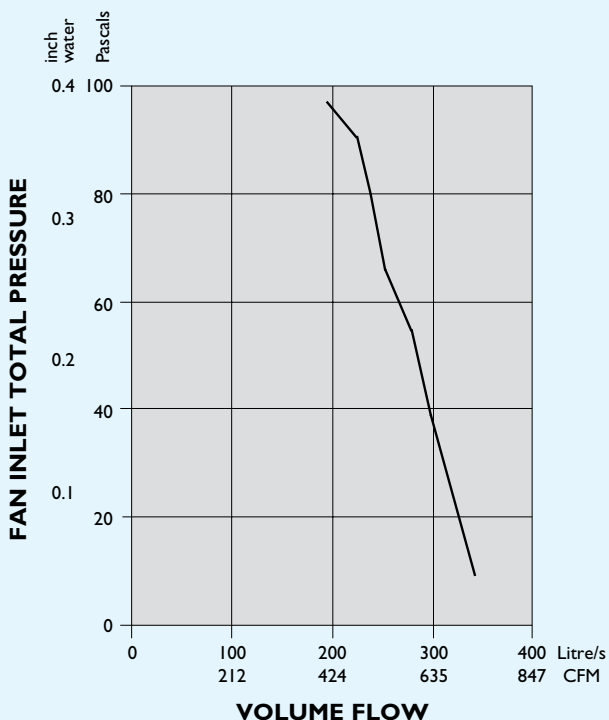
**Maximum current** 7.0A (12 volt) / 3.5A (24 volt)

**Life** 1,500 hours at 80°C (176°F)

**Weight** 1.13kg (2.5lb)

## Components

Part #	Description
0213	Motor (12 volt)
0215	Motor (24 volt)
0317	Rotor (reversible, glass-filled nylon)
0365	Shroud (glass-filled polypropylene)
0563	Hardware (12 volt)
0563a	Hardware (24 volt)
0532	Wiring loom
0533	12V relay (40 amps)
0534	24V relay (30 amps)
0604	Mounting feet



# Thermatic® Fan – 10-inch Slimline

Model **DCSLX10**

Part #	Description
0047	DCSLX10 Fan Kit (12 volt)
0147	DCSLX10 Short (12 volt)

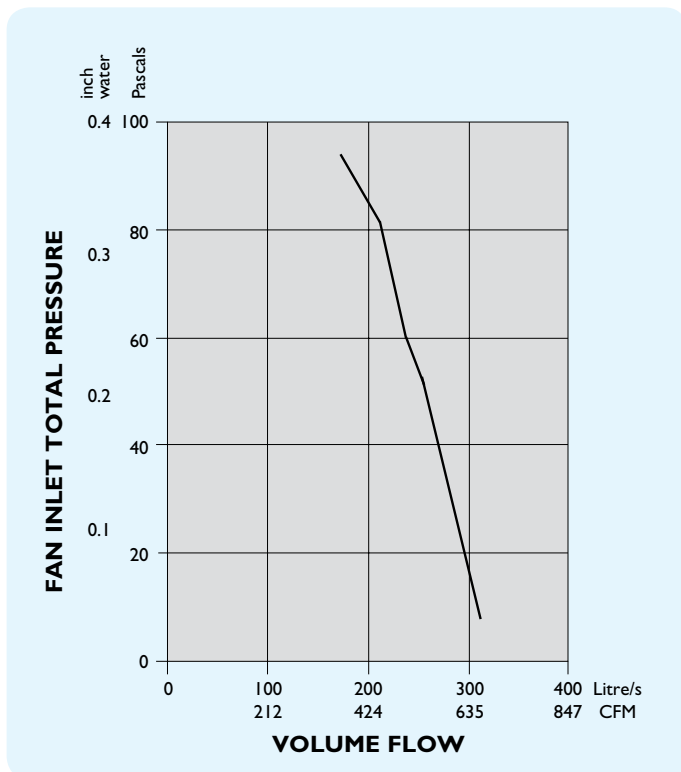
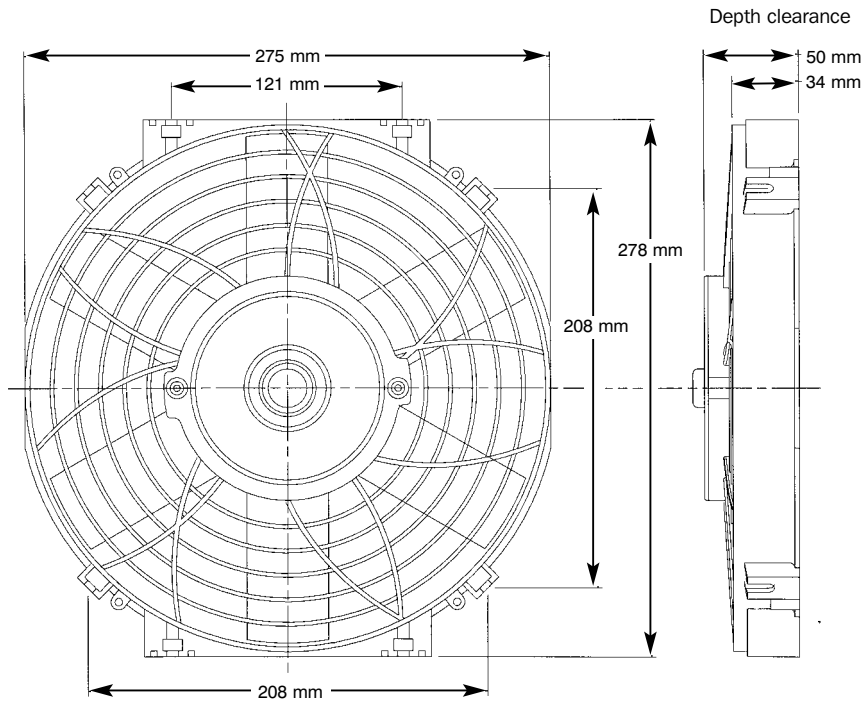
Part #	Description
0048	DCSLX10 Fan Kit (24 volt)
0148	DCSLX10 Short (24 volt)

**KITS INCLUDE:** fan assembly, wiring loom, relay, mounting feet, hardware and instruction sheets.

**SHORTS INCLUDE:** fan assembly (motor, fan blade, shroud and mounting feet).

**This fan assembly is set up for upstream applications. For downstream applications the fan blade must be removed and turned over and the polarity reversed. Always check that the fan blade rotates in the direction shown by the arrows on the blade before making a permanent wiring connection and prior to fastening the unit to the radiator.**

## Dimensions



## Specifications

Maximum current	7.0A (12 volt) / 3.5A (24 volt)
Life	1,500 hours at 80°C (176°F)
Weight	1.13kg (2.5lb)

## Components

Part #	Description
0213	Motor (12 volt)
0215	Motor (24 volt)
0317	Rotor (reversible, glass-filled nylon)
0375	Shroud (glass-filled nylon)
0563	Hardware (12 volt)
0563a	Hardware (24 volt)
0532	Wiring loom
0533	12V relay (40 amps)
0534	24V relay (30 amps)
0604	Mounting feet



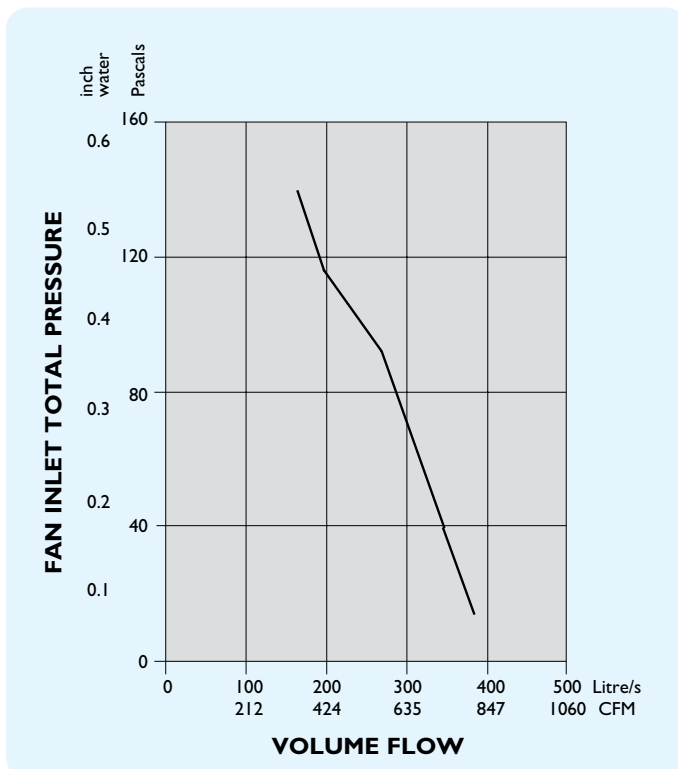
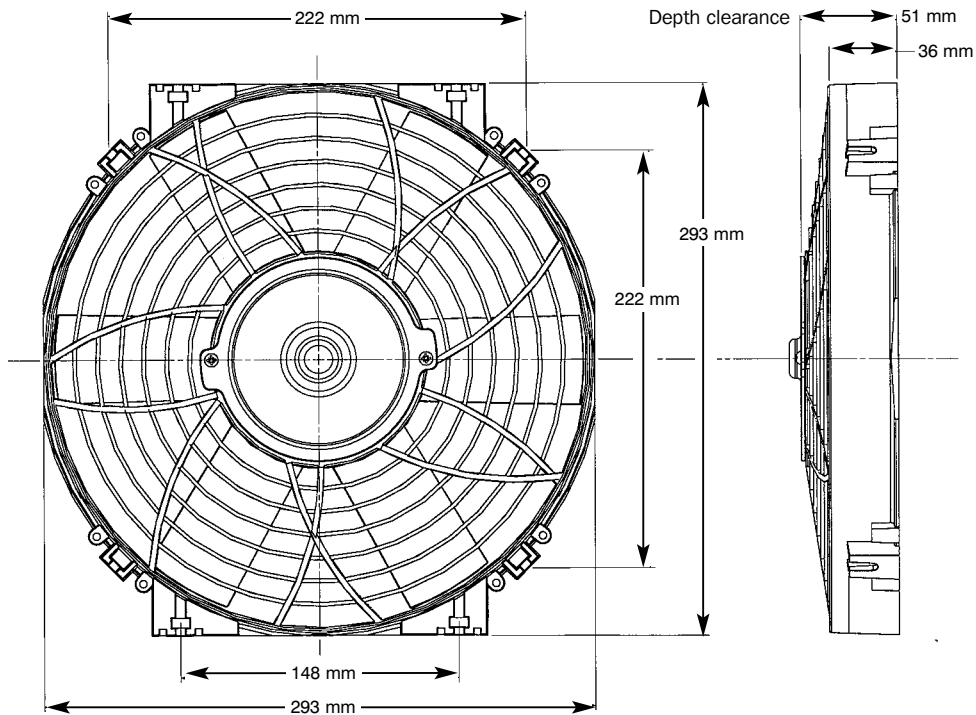
Part #	Description
0062	DCSL12 Fan Kit (12 volt)
0162	DCSL12 Short (12 volt)
0072	DCSL12 Chrome Fan Kit (12 volt)
0184	DCSL12 Chrome Fan Short (12 volt)
0188	DCSL12 Chrome Fan (black blades) Short (12 volt)

Part #	Description
0063	DCSL12 Fan Kit (24 volt)
0163	DCSL12 Short (24 volt)

**KITS INCLUDE:** fan assembly, wiring loom, relay, mounting feet, hardware and instruction sheets.  
**SHORTS INCLUDE:** fan assembly (motor, fan blade, shroud and mounting feet).

**This fan assembly is set up for upstream applications. For downstream applications the fan blade must be removed and turned over and the polarity reversed. Always check that the fan blade rotates in the direction shown by the arrows on the blade before making a permanent wiring connection and prior to fastening the unit to the radiator.**

## Dimensions



## Specifications

**Maximum current** 9.0A (12 volt) / 4.5A (24 volt)

**Life** 1,500 hours at 80°C (176°F)

**Weight** 1.450kg (3.2lb)

## Components

Part #	Description
0223	Motor (12 volt)
0224	Motor (24 volt)
0326	Rotor (reversible, glass-filled polypropylene)
0370	Shroud (glass-filled nylon)
0564	Hardware & electrical (12 volt) - includes wiring loom (#0532) & relay (#0533)
0564a	Hardware & electrical (24 volt) - includes wiring loom (#0532) & relay (#0534)
0604	Mounting feet





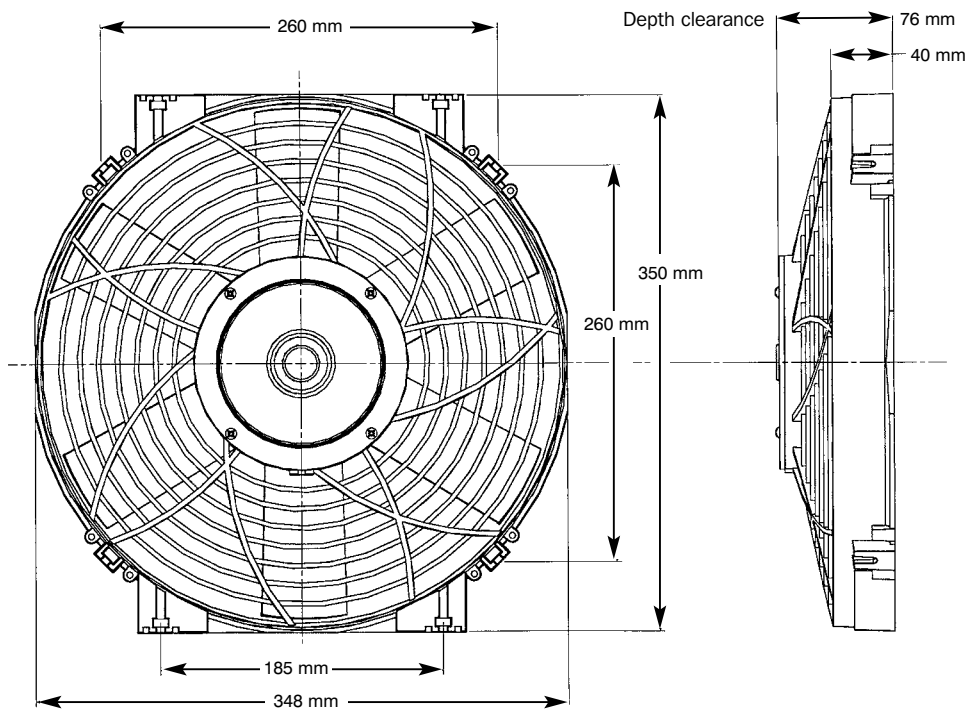
Part #	Description	Part #	Description
0064 *	DCSL14 Fan Kit (12 volt)	0065 **	DCSL14 Fan Kit (24 volt)
0164	DCSL14 Short (12 volt)	0165	DCSL14 Short (24 volt)
0073	DCSL14 Chrome Fan Kit (12 volt)	<b>Note:</b> * DC31 (part # 0005) can be used in lieu for 12V (page 27). ** DC31 (part # 0006) can be used in lieu for 24V (page 27).	
0185	DCSL14 Chrome Fan Short (12 volt)		
0189	DCSL14 Chrome Fan (black blades) Short (12V)		

**KITS INCLUDE:** fan assembly, wiring loom, relay, mounting feet, hardware and instruction sheets.

**SHORTS INCLUDE:** fan assembly (motor, fan blade, shroud and mounting feet).

**This fan assembly is set up for upstream applications. For downstream applications the fan blade must be removed and turned over and the polarity reversed. Always check that the fan blade rotates in the direction shown by the arrows on the blades before making a permanent wiring connection and prior to fastening unit to the radiator.**

## Dimensions



## Specifications

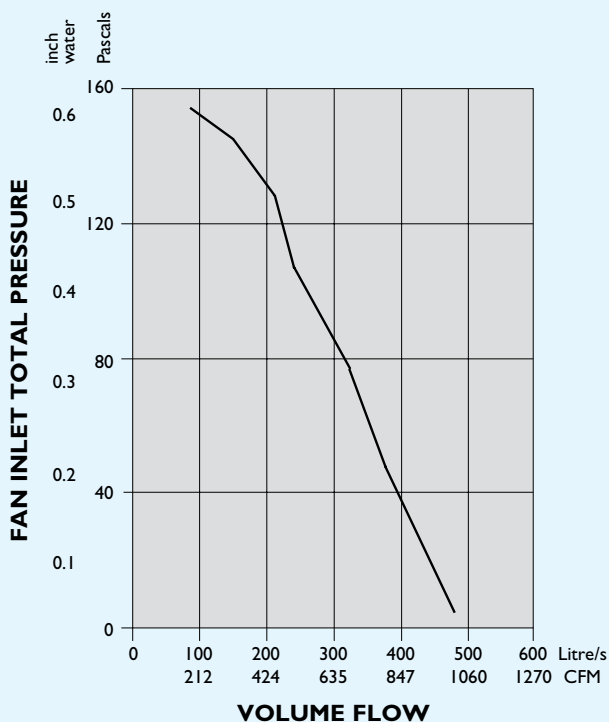
**Maximum current** 11.0A (12 volt) / 5.5A (24 volt)

**Life** 1,500 hours at 80°C (176°F)

**Weight** 1.500kg (3.3lb)

## Components

Part #	Description
0203	Motor (12 volt)
0204	Motor (24 volt)
0318	Rotor 5-blade (reversible, glass-filled polypropylene)
0371	Shroud (glass-filled nylon)
0564	Hardware & electrical (12 volt) - includes wiring loom (#0532) & relay (#0533)
0564a	Hardware & electrical (24 volt) - includes wiring loom (#0532) & relay (#0534)
0604	Mounting feet



# Thermatic® Fan – 14-inch HP\*

Model **DCSL14 HP**

Part #	Description
0007	DCSL14 HP Fan Kit (12 volt)
0107	DCSL14 HP Short (12 volt)

Part #	Description
0008	DCSL14 HP Fan Kit (24 volt)
0108	DCSL14 HP Short (24 volt)

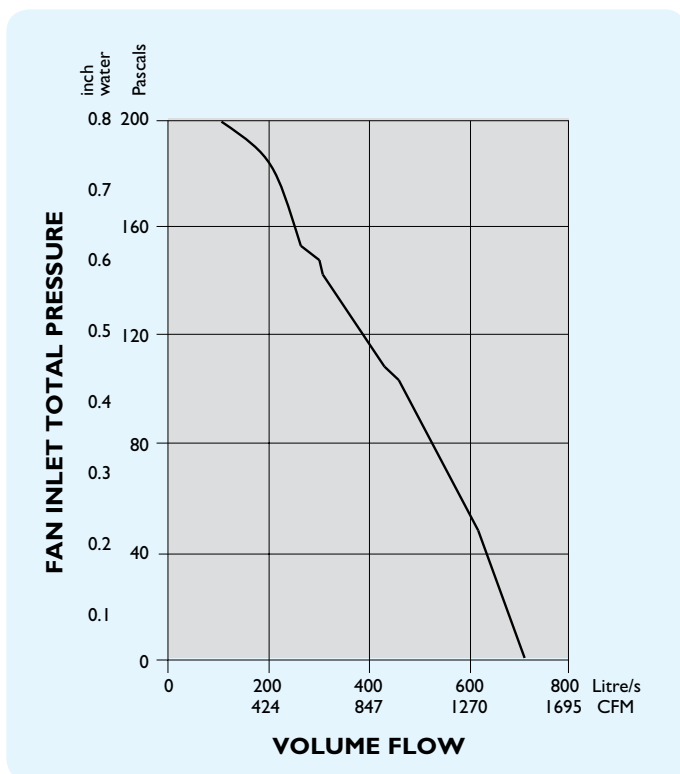
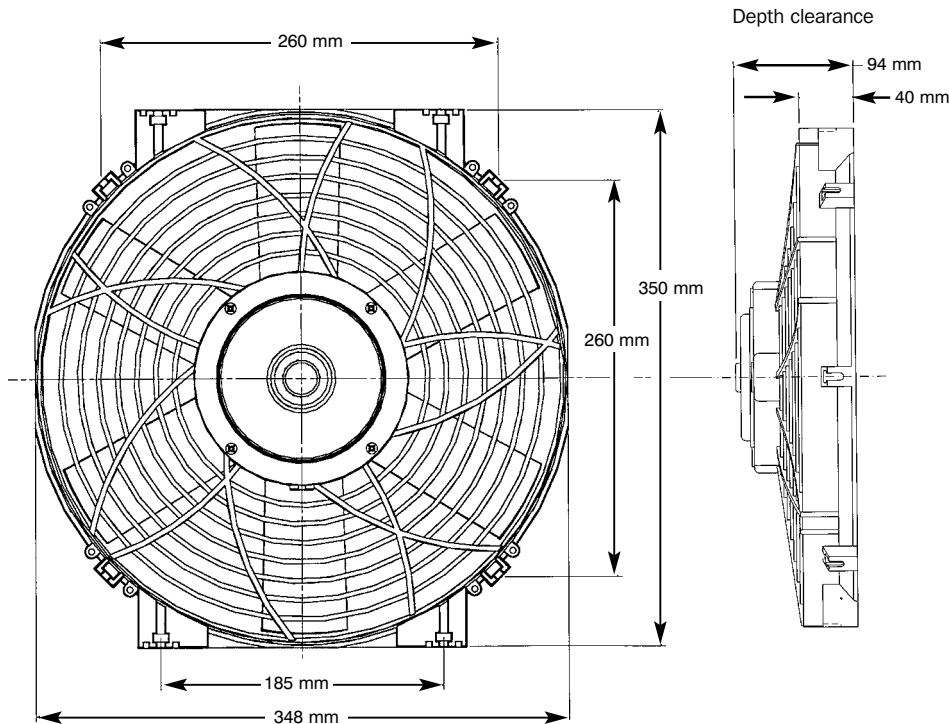
\* HP = High Performance

**KITS INCLUDE:** fan assembly, wiring loom, relay, mounting feet, hardware and instruction sheets.

**SHORTS INCLUDE:** fan assembly (motor, fan blade, shroud and mounting feet).

**This fan assembly is set up for upstream applications. For downstream applications the fan blade must be removed and turned over and the polarity reversed. Always check that the fan blade rotates in the direction shown by the arrows on the blade before making a permanent wiring connection and prior to fastening the unit to the radiator.**

## Dimensions



## Specifications

**Maximum current** 13A (12 volt) / 6.5A (24 volt)

**Life** 1,500 hours at 80°C (176°F)

**Weight** 2.500kg (5.5lb)

## Components

Part #	Description
0220	Motor (12 volt)
0221	Motor (24 volt)
0327	Rotor 6-blade (reversible, glass-filled polypropylene)
0371	Shroud (glass-filled nylon)
0568a	Hardware & electrical (12 volt) - includes wiring loom (#0592) & relay (#0533)
0568	Hardware & electrical (24 volt) - includes wiring loom (#0532) & relay (#0534)
0604	Mounting feet



Part #	Description
0005 *	DC31 Fan Kit (12 volt)
0105	DC31 Short (12 volt)

Part #	Description
0006	DC31 Fan Kit (24 volt)
0106	DC31 Short (24 volt)

\* Note: DC31 (part # 0064) can be used in lieu.

**KITS INCLUDE:** fan assembly, wiring loom, relay, mounting feet, hardware and instruction sheets.

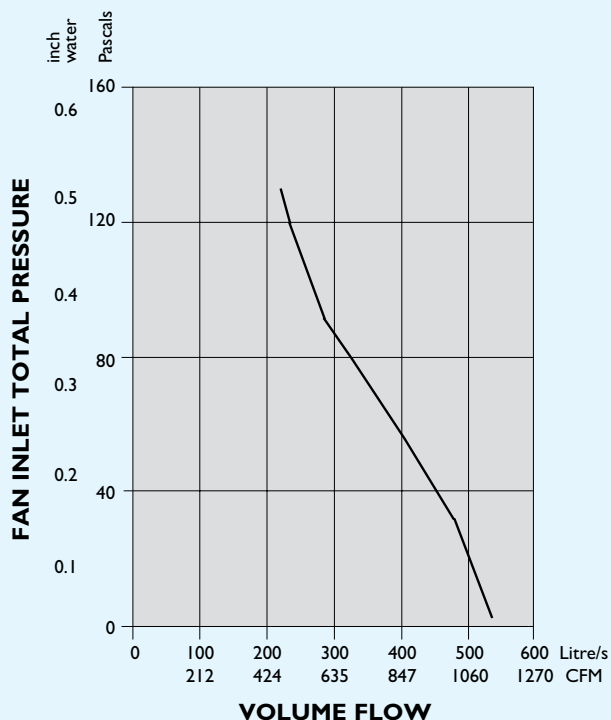
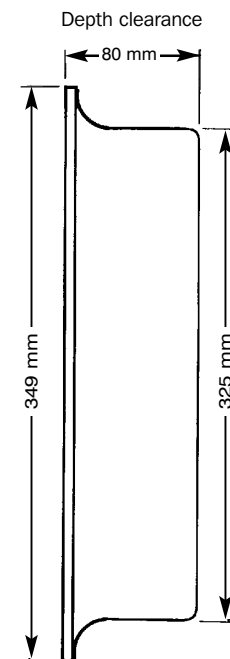
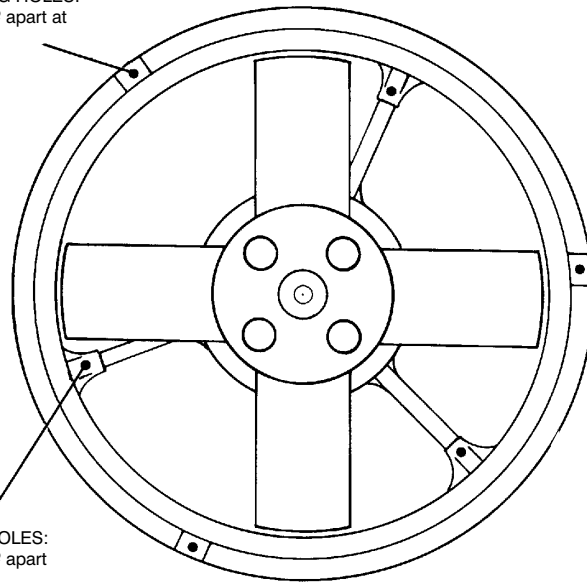
**SHORTS INCLUDE:** fan assembly (motor, fan blade, shroud and mounting feet).

**This fan assembly is set up for upstream applications. For downstream applications the fan blade must be removed and turned over and the polarity reversed. Always check that the fan blade rotates in the direction shown by the arrows on the blade before making a permanent wiring connection and prior to fastening the unit to the radiator.**

## Dimensions

DOWNSTREAM MOUNTING HOLES:  
3 x Holes 4.5mm dia., 120° apart at 340mm P.C.D.

UPSTREAM MOUNTING HOLES:  
3 x Holes 4.5mm dia., 120° apart at 294mm P.C.D.



## Specifications

Maximum current 11A (12 volt) / 5.5A (24 volt)

Life 1,500 hours at 80°C (176°F)

Weight 1.5kg (3.3lb)

## Components

Part #	Description
0203	Motor (12 volt)
0204	Motor (24 volt)
0312	Rotor 4-blade (glass-filled polypropylene)
0351	Shroud (glass-filled nylon)
0562	Hardware & electrical (12 volt) - includes wiring loom (#0532) & relay (#0533)
0562a	Hardware & electrical (24 volt) - includes wiring loom (0532) & relay (#0534)

# Thermatic® Fan – 16-inch Heavy duty\*

Model **DCSL16**

\*Heavy-duty for 4WD and big V8s

Part #	Description
0066	DCSL16 Fan Kit (12 volt)
0166	DCSL16 Short (12 volt)
0074	DCSL16 Chrome Fan Kit (12 volt)
0186	DCSL16 Chrome Fan Short (12 volt)
0190	DCSL16 Chrome Fan (black blades) Short (12 volt)

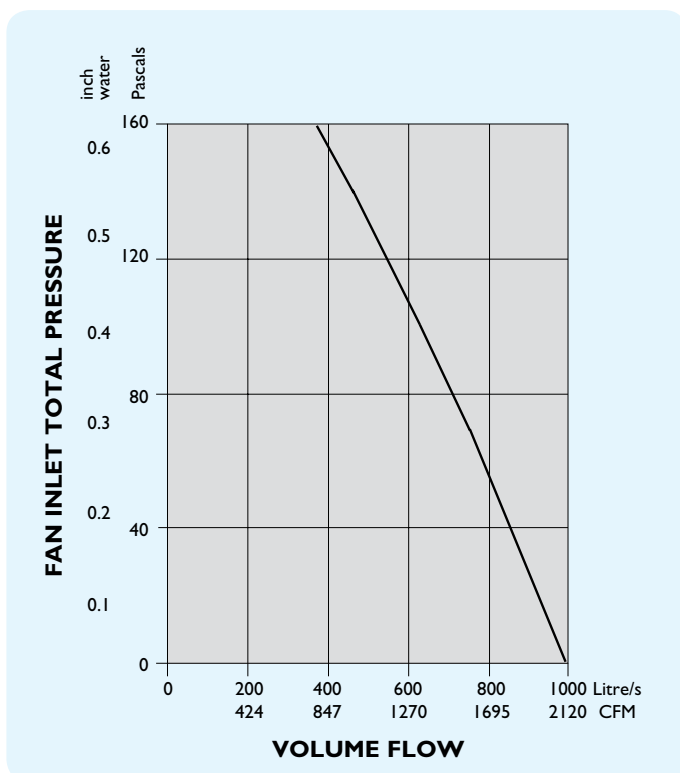
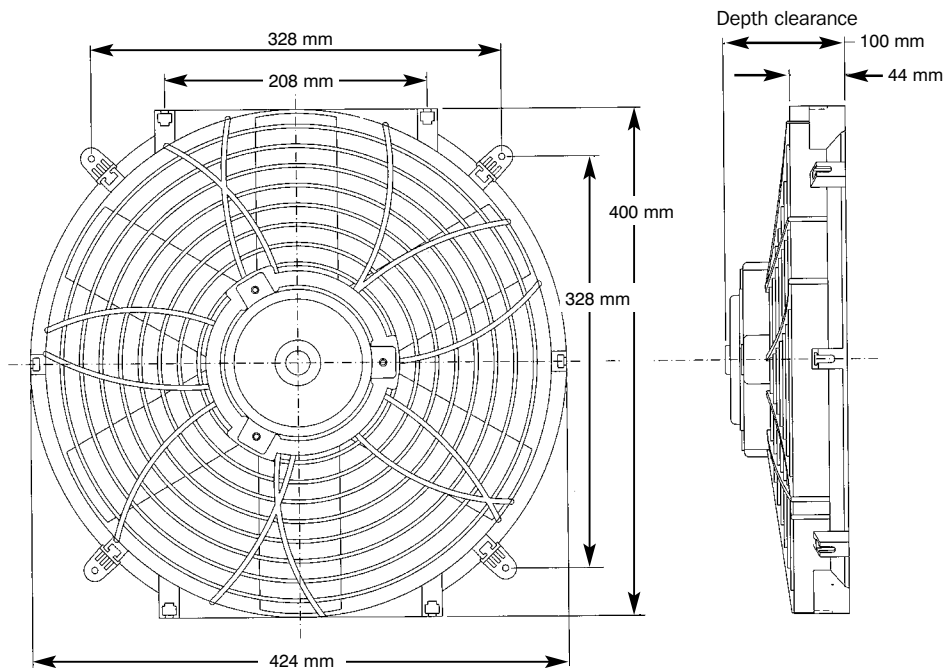
Part #	Description
0067	DCSL16 Fan Kit (24 volt)
0172	DCSL16 Short (24 volt)

**KITS INCLUDE:** fan assembly, wiring loom, relay, mounting feet, hardware and instruction sheets.

**SHORTS INCLUDE:** fan assembly (motor, fan blade, shroud and mounting feet).

**This fan assembly is set up for upstream applications. For downstream applications the fan blade must be removed and turned over and the polarity reversed. Always check that the fan blade rotates in the direction shown by the arrows on the blade before making a permanent wiring connection and prior to fastening the unit to the radiator.**

## Dimensions



## Specifications

**Maximum current** 19A (12 volt) / 9.5A (24 volt)

**Life** 1,500 hours at 80°C (176°F)

**Weight** 3.0kg (6.6lb)

## Components

Part #	Description
0220	Motor (12 volt)
0221	Motor (24 volt)
0322	Rotor (reversible, glass-filled polypropylene)
0366	Shroud (glass-filled nylon)
0568a	Hardware & electrical (12 volt) - includes wiring loom (#0592) & relay (#0533)
0568	Hardware & electrical (24 volt) - includes wiring loom (0532) & relay (#0534)
0604	Mounting feet



# Thermal Switches

Davies, Craig offer two types of Thermal Switch:

- Part #0401 senses the coolant temperature after it passes through the engine block prior to entering the radiator.
- Part #0402 senses air temperature as it passes through the radiator.

Both units:

- automatically activate the Thermatic® Fans at the set temperature when cooling is required
- can be adjusted over a wide temperature range by simply turning a knob located on the control switch
- can also be used to operate the Electric Water Pump when used as an auxiliary pump to the mechanical water pump.

## Mechanical Thermal Switch (12V & 24V)

The Mechanical Thermal Switch is adjustable from 40° to 100°C (104° to 212°F).

The thermal switch is mounted near the radiator and the stainless steel probe fitted inside the radiator hose.

The thermal switch is then connected to the ignition circuit for operation.

The thermal switch and relay kit enables a fan to operate both thermally and also when the air conditioning is running.

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#0401 Mechanical Thermal Switch  
for more efficient Thermatic® Fan or EWP® control

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#0404 Mechanical Thermal Switch & Relay

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## Electronic Thermal Switch (12V only)

The Electronic Thermal Switch Kit has an adjustable temperature range of 40°C to 99°C (104° to 210° F).

The Electronic Thermal Switch, relay and wiring loom are assembled and pre-connected ready for installation.

This switch is operated thermally and also when the air conditioning is in operation.

The Electronic Thermal Switch has the advantage over the Mechanical Thermal Switch in that the probe is designed to be placed between the radiator fins and accurately senses the air temperature.

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#0402 Electronic Thermal Switch  
for more efficient Thermatic® Fan or EWP® control.

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## Temperature Sensor Adaptor Kit

No need to squeeze the probe of the Mechanical Thermal Switch between the radiator inlet and radiator hose.

This simple, economical Adaptor Kit allows easy fitting directly into the radiator hose.

Just fit the probe into the compression fitting, remove about 17mm (2/3") of radiator hose, fit the adaptor between each hose and secure the hose clamps.

The kit comes complete, as shown, for a watertight and effective probe installation. Extra rubber sleeves are supplied to enable fitment to radiator hose sizes from 32mm to 40mm (1¼" to 1½") diameter.

Suits all temperature sensors with a ¼" or 6mm outside diameter and temperature gauge senders with ¼" BSPT thread.

**Note:** This is an accessory for use with #0401 and #0404 Thermal Switches.

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#0409 Thermal Switch Temperature Sensor Adaptor Kit

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# Thermatic® Fans – Model Selection Guide

To assist your understanding of the correct selection of a Davies, Craig Thermatic® Fan, please observe the following:

» **Radiator cooling only:**

The Thermatic® Fan recommended to assist forcing cooler air through the vehicle's radiator thus removing excessive heat and lowering and/or maintaining the engine's coolant temperature. Select the approved Thermatic® Fan for your vehicle when replacing the existing belt driven mechanical fan.

» **A/C Condenser cooling only:**

The Thermatic® Fan recommended to cool your vehicle's air conditioning condenser replacing an existing original equipment manufacturer's (OEM) air conditioning condenser fan or adding a fan to an existing A/C condenser.

» **Additional cooling only:**

The recommended Thermatic® Fan to provide an extra cooling boost to your existing belt-driven fan or electric fan under extreme ambient conditions.

**Note:** If you are removing your mechanical belt-driven fan or Fan Clutch and converting to a total electric Thermatic® Fan engine cooling control system and your vehicle is fitted with air conditioning, it may be necessary to fit Thermatic® Fans listed from both the 'Radiator Cooling Only' and 'Condenser Cooling Only' Electric Thermatic® Fans from the Model Selection Guide.

» **Modified engines** may require a fan with higher cubic feet/minute (CFM) cooling than is recommended in the Model Selection Guide.

## THERMATIC® FANS - MODEL SELECTION GUIDE

VEHICLE MAKE & MODEL	RADIATOR COOLING ONLY				A/C CONDENSER COOLING ONLY		ADDITIONAL COOLING ONLY			
	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.		FAN KIT TYPE	Fan Kit Part #	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.	
<b>BMW</b>										
316i	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
318i	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
318is COUPE	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
320i	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
325i	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>CHRYSLER/JEEP</b>										
JEEP/CHEROKEE 6-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
	+ DCSL10	0047								
WRANGLER	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
	+ DCSL10	0047								
VALIANT ALL 6/8-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL14 *	0064	0401	0402
	+ DCSL10	0047								
<b>DAEWOO</b>										
CEILO 1.5L 93-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
ESPERO 2.0L 95-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>DAIHATSU</b>										
APPLAUSE	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CHARADE 78-93	DCSL9	0060	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
CHARADE CS/CX/SG	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CHARADE TS	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
FEROZA	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FEROZA II	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
MIRA	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
ROCKY	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
STRATOS	DCSL9	0060	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>FORD</b>										
CAPRI	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
CORSAIR	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CORTINA ALL 4-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
ESCORT 1.6-2.0L	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FAIRLANE NA-NF/AU 3.9/4.0L	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FAIRLANE NC-NF/AU 5.0L	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FAIRLANE ZA-ZL 6-cylinder	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FAIRLANE ZA-ZL 8-cylinder	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FALCON XP-XF 6-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
FALCON XP-XF 8-cylinder	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FALCON EA-EL/AU 6-cylinder	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FALCON EB-EL/AU 8-cylinder	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FESTIVA	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402

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# THERMATIC® FANS - MODEL SELECTION GUIDE

VEHICLE MAKE & MODEL	RADIATOR COOLING ONLY				A/C CONDENSER COOLING ONLY		ADDITIONAL COOLING ONLY			
	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.		FAN KIT TYPE	Fan Kit Part #	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.	
<b>FORD (continued)</b>										
<b>LASER</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>LASER TX3 TURBO 4WD</b>	DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>METEOR</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>MONDEO</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PROBE</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>TAURUS</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>TELSTAR TX5 V6 92</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>TELSTAR TX5</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>TELSTAR NON-TURBO</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>TELSTAR TURBO</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>BRONCO XLT 5.8L</b>	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>COURIER</b>	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>COURIER 2.2L</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>COURIER 2.6L</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>F100</b>	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>F150</b>	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>F350</b>	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>MAVERICK 2D/4D PETROL</b>	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>MAVERICK 2D/4D DIESEL</b>	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>RAIDER</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
<b>HOLDEN</b>										
<b>APOLLO</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>ASTRA</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>BARINA ML 86-89</b>	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL10	0047	0401	0402
<b>BARINA 89-94</b>	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>CAMIRA JB/JD/LE 1.8L</b>	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL10	0047	0401	0402
<b>COMMODORE VB-VK 6-cylinder</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>COMMODORE VB-VK 8-cylinder</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>COMMODORE VC-VH 4-cylinder</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>COMMODORE VL-VX 6-cylinder</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>COMMODORE VL-VP 8-cylinder</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>COMMODORE VR-VX 8-cylinder</b>	DCSL16	0066	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
<b>GEMINI DIESEL TE/TF/TG</b>	DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>GEMINI TX/TG</b>	DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>HOLDEN HT-HZ 6-cylinder</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>HOLDEN HT-HZ 8-cylinder</b>	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>PIAZZA TURBO</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>NOVA 1.6/1.8</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>RODEO PETROL DLX 2600</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>STATESMAN VQ-VX</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>TORANA SUNBIRD 4-cylinder</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>TORANA SUNBIRD 6-cylinder</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>TORANA TA-LX 4-cylinder</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>TORANA TA-LX 6-cylinder</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>TORANA 8-cylinder</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>JACKAROO TURBO DIESEL 84</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>L2 JACKAROO S/XS 6-cylinder</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>HONDA</b>										
<b>ACCORD 77-85</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>ACCORD 86-89</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>ACCORD/AERODECK 89-95</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>BREEZE</b>	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>CIVIC 84-</b>	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>CONCERTO</b>	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>CRX 87-91</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>CRX 92-</b>	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>INTEGRA ALL</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402

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VEHICLE MAKE & MODEL	RADIATOR COOLING ONLY				A/C CONDENSER COOLING ONLY		ADDITIONAL COOLING ONLY			
	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.		FAN KIT TYPE	Fan Kit Part #	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.	
<b>HONDA (continued)</b>										
<b>LEGEND 86-87</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>LEGEND 88-91</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>LEGEND 91-96</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PRELUDE 83-91</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PRELUDE 91-</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>HYUNDAI</b>										
<b>EXCEL</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>LANTRA 1.8</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>S-COUPÉ</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SONATA 2.0-2.4L</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SONATA 3.0L</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>JAGUAR</b>										
<b>SOVEREIGN/DAIMLER</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>XJ12,XJ5 73-89</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>XJ6</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
<b>XJS</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
<b>XJS V12</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
<b>XJRS</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
<b>JEEP (see Chrysler)</b>										
<b>MAZDA</b>										
<b>ASTINA</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>323 ALL</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>626 ALL</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>626 V6</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>626 ESTATE</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>929 76-87</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>929 87-97</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>MX-5</b>	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>MX-6 TURBO 89-91</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PROTEGE</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>RX-3,RX-4,RX-5 72-79</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>RX-7 79-85</b>	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>BRAVO B2200</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>BRAVO B2600</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>MERCEDES-BENZ</b>										
<b>180E 1.8L</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>190E 2.0/2.3</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>200 SERIES</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>300E 2.6/3.0/24 VALVE</b>	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
<b>300SE W140</b>	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
<b>300 CE</b>	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
<b>450 SEL 6.9 V8</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>500 SEL</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>560 SERIES</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>MINI</b>										
<b>COLETTI 80-90</b>	DCSL12	0062	0401	0402	DCSL9	0060	DCSL10	0047	0401	0402
<b>CORDIA 83-889</b>	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>CORDIA TURBO 84-89</b>	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>GALANT 77-81</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>GALANT 88-95</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>LANCER 1.4/1.6/1.8 74-81</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>LANCER 81-</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>MAGNA ALL</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>NIMBUS 84-88</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402

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# THERMATIC® FANS - MODEL SELECTION GUIDE

VEHICLE MAKE & MODEL	RADIATOR COOLING ONLY				A/C CONDENSER COOLING ONLY		ADDITIONAL COOLING ONLY			
	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.		FAN KIT TYPE	Fan Kit Part #	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.	
<b>MITSUBISHI (continued)</b>										
<b>SCORPION</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SIGMA 77-85 - all</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SIGMA TURBO</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>STARION TURBO 82-85</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>VERADA</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PAJERO NC 85</b>	DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL12	0062								
<b>PAJERO NH V6 3000</b>	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PAJERO NH 2.6</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047					DCSL10	0047	0401	0402
<b>PAJERO NG 90</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PAJERO NJ</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>TRITON 2.6 PETROL</b>	DCSL16	0066	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
<b>TRITON 3.0 V6</b>	DCSL16	0066	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
<b>NISSAN</b>										
<b>1200 (120Y) 70-79</b>	DCSL12	0062	0401	0402	DCSL9	0060	DCSL10	0047	0401	0402
<b>1600 68-72</b>	DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>180B/200B 72-77</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>200SX</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>240K 72-78</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>260C 73-78</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>260Z 74-78</b>	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>280C 78-84</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
<b>280ZX 79-84</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
<b>300ZX TURBO 86-89</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>300ZX 90-96</b>	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>300C 84-88</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
<b>BLUEBIRD 1/11 81-88</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>BLUEBIRD U13 2.0L</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>GAZELLE 84-88</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>MAXIMA</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>NX COUPE</b>	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>NX-R</b>	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>PINTARA 2.4 86-93</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PULSAR EXA TURBO 83-88</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PULSAR 1.6/2.0</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SKYLINE 78-88</b>	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>STANZA 73-83</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SUNNY 77-81</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>VECTOR 88-90</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SERENA</b>	DCSL14 *	0064	0401	0402	DCSL12	0047	DCSL12	0062	0401	0402
<b>PRAIRIE 83-85</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PATROL G60 -82</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>PATROL MQ DIES/TURBO 82-88</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>PATROL MQ PETROL/LD28 82-88</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>PATROL GQ PETROL/EFI 88-92</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>PATROL GQ EFI/TB42E 92-95</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>PATROL GQ DIESEL 88-</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>CAB CHASSIS NAVARA PETROL</b>	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>PATHFINDER 86 WD21 2.4L</b>	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>PATHFINDER V6 ST 92-</b>	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>PEUGEOT</b>										
<b>205 SERIES</b>	2x DCSL10	0047	0401	0402	DCSL9	0060	DCSL10	0047	0401	0402
<b>405 SERIES</b>	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
<b>500 SERIES 70-88</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402

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## THERMATIC® FANS - MODEL SELECTION GUIDE

VEHICLE MAKE & MODEL	RADIATOR COOLING ONLY				A/C CONDENSER COOLING ONLY		ADDITIONAL COOLING ONLY			
	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.		FAN KIT TYPE	Fan Kit Part #	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.	
<b>PEUGEOT (continued)</b>										
<b>505 SERIES</b>	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
<b>600 SERIES 78-82</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PROTON</b>										
<b>1.5L 95-</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>1.6L 95-</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>ROVER</b>										
<b>3500 SERIES 69-87</b>	2x DCSL12	0062	0401	0402	2x DCSL10	0047	DCSL12	0062	0401	0402
<b>416i 86-88</b>	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>825Si 87-88</b>	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>LAND ROVER DISCOVERY 3.5L</b>	DCSL16	0066	0401	0402	2x DCSL10	0047	DCSL12	0062	0401	0402
<b>LAND ROVER DISCOVERY 3.9L</b>	DCSL16	0066	0401	0402	2x DCSL10	0047	DCSL12	0062	0401	0402
<b>RANGE ROVER -86</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>RANGE ROVER 86 ON EFI</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SAAB</b>										
<b>900i</b>	DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL12	0062			DCSL10	0047	DCSL10	0047	0401	0402
<b>900 TURBO</b>	DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL12	0062			DCSL10	0047	DCSL10	0047	0401	0402
<b>9000 CS</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>9000 CD</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>9000 CS TURBO</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>9000 CD TURBO</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>9000 T</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SUBARU</b>										
<b>BRUMBY UTE</b>	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>DLS/WAG. DUAL RANGE 4WD</b>	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>LEONE</b>	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>LIBERTY LX/GX</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>LIBERTY RS TURBO</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>4WD PICKUP 90</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SUZUKI</b>										
<b>MIGHTY BOY</b>	DCSL10	0047	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>SWIFT</b>	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>SIERRA</b>	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
<b>VITARA</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL9	0060	0401	0402
<b>TOYOTA</b>										
<b>CAMRY</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>CAMRY 3.0L</b>	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
<b>CELICA 71-91</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>CELICA 92-</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>COROLLA SE 1.6L</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>COROLLA CSi 1.6L</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>COROLLA 4WD (TERCEL)</b>	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>CORONA 74-89</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>CRESSIDA 77-85</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>CRESSIDA GLX/GRANDE</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL9	0060	0401	0402
<b>CROWN ALL 71-78</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>HILUX 88-95</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>LEXCEN</b>	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>MR2</b>	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>PASEO</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SPRINTER ALL</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>T18 - all</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>TARAGO 4WD</b>	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>SUPRA 83-88</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>SUPRA 89-93</b>	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>LAND CRUISER ("L/C") BJ70</b>	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
<b>L/C FJ75 TROOP PETROL 84-</b>	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402

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	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.		FAN KIT TYPE	Fan Kit Part #	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or Elec.	
<b>TOYOTA (continued)</b>										
L/C FZJ75 TROOP 4.5L PETROL	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
L/C HJ75 TROOP DIESEL 84-	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C HDJ60 TURBO DIESEL 87-90	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C HJ60 DIESEL 87-90	DCSL16	0066	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
L/C FJ60 PETROL 87-90	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C HDJ80 TURBO DIESEL 90-	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C HZJ80 DIESEL 90-	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C FJ80 4.2L PETROL 90-92	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C FZJ80 4.5L PETROL 92-	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
HI-LUX PETROL	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
HI-LUX DIESEL	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
4 RUNNER DLX PETROL	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
4 RUNNER DLX DIESEL	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
4 RUNNER RV6	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
<b>VOLKSWAGEN</b>										
GOLF 1.8L 90-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
GOLF 1.8L GTI 90-92	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CABRIOLET 1.8L 90-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
GL VENTO 92-95	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
VR6 GOLF 2.8L 92-95	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
<b>VOLVO</b>										
4 SERIES 4-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
6 SERIES 6-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
	+ DCSL10	0047								
TURBO MODELS	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
	+ DCSL10	0047								

\* Davies, Craig Thermatic Fan model DC31 (part #0005) can be used in lieu for 12V; DC31 (part #0006) can be used in lieu for 24V (page 27).

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## ThermoCap



The ThermoCap radiator cap indicates the coolant temperature with its own in-built calibrated thermometer. *This is important information prior to cap removal.*

The temperature probe does not need to be in contact with the coolant in order to indicate the correct temperature.

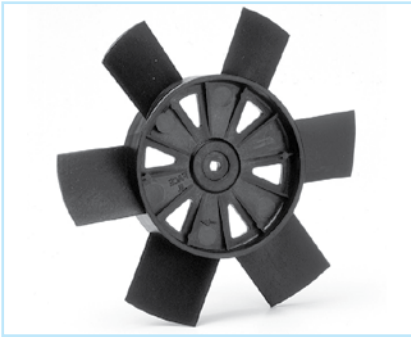
ThermoCap is also equipped with a coolant recovery reclamation valve so it is compatible with cooling systems that have an overflow reservoir.

ThermoCaps can also be used with cooling systems that do not have an overflow reservoir.

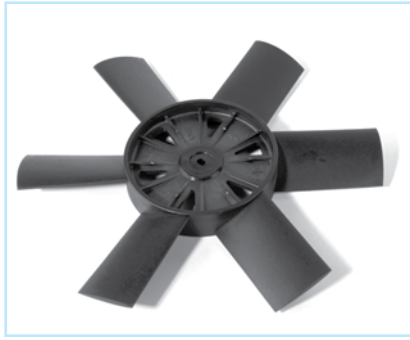
Large (60mm x 50mm long)			Small (45mm x 50mm long)		
Part #	Description		Part #	Description	
1401	90 kPa	(13 psi)	1404	90 kPa	(13 psi)
1402	110 kPa	(16 psi)	1405	110 kPa	(16 psi)
1403	138 kPa	(20 psi)			

# Spare Parts

# Fan Blades



Part #	Description	Size
0328	DCSL8 6-blade	8"



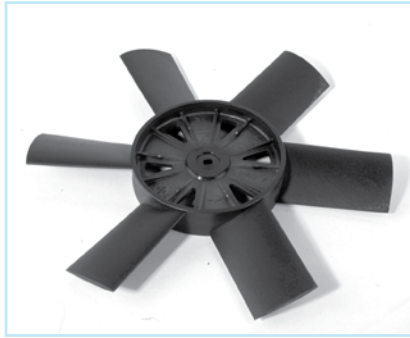
Part #	Description	Size
0320	DCSL9 6-blade	9"



Part #	Description	Size
0302	10" Nylon 4-blade <i>discontinued - refer 0315</i>	10"



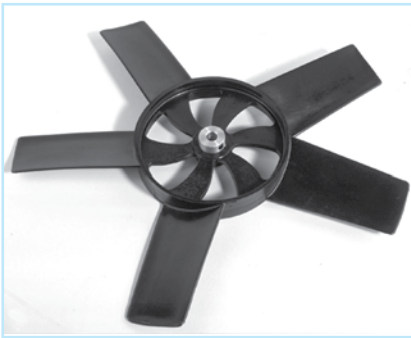
Part #	Description	Size
0315	DCXA 6-blade	10"



Part #	Description	Size
0317	DCSL10 6-blade	10"



Part #	Description	Size
0304	292/9 Nylon	12"
(0305	292/9) <i>discontinued</i>	



Part #	Description	Size
0306	292/11 5-blade	12"



Part #	Description	Size
0319	DCSL12 5-blade	12"



Part #	Description	Size
0326	DCSL12 6-blade	12"



Part #	Description	Size
0309	320/11 5-blade <i>discontinued</i>	14"



Part #	Description	Size
0318	DCSL14 5-blade	14"



Part #	Description	Size
0327	DCSL14 6-blade	14" HP

## Spare Parts

## Fan Blades (continued)



Part #	Description	Size
0312	DC31 4-blade	14"



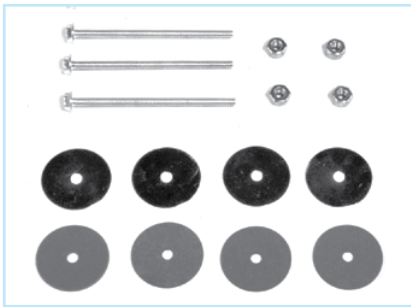
Part #	Description	Size
0322	DCSL16 6-blade	16"

## Spare Parts

## Mounting Kits



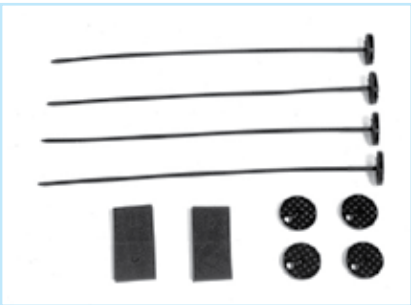
Part #	Contents
0524	Wiring loom & relay kit (12V)
0524a	Wiring loom & relay kit (24V)



Part #	Contents
0578	Mounting hardware



Part #	Contents
0604	Mounting feet



Part #	Contents
0579	Quick Fit Kit



### Contents

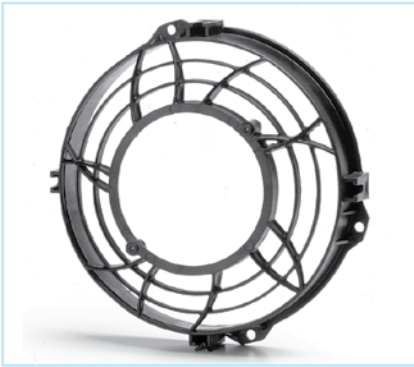
Fan mounting hardware and electricals for exact part number, please refer to your particular fan contents list – pages 20-28



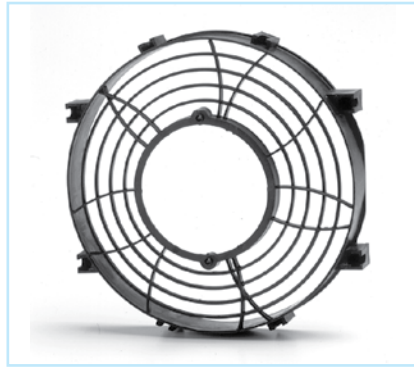
Part #	Contents
0422	Twin fan mounting brackets (fans not included) Mounting hardware



Part #	Contents
0422	Twin fan mounting brackets Mounting hardware



Part #	Description	Size
0372	DCSL8	8" fan



Part #	Description	Size
0364	DCSL9	9" fan



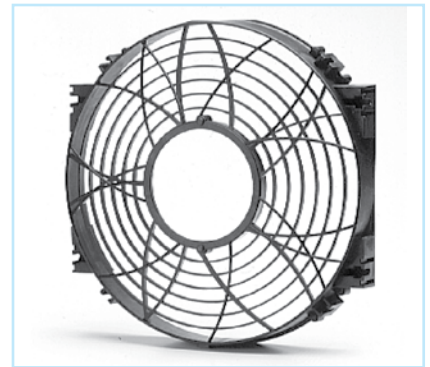
Part #	Description	Size
0365	DCSL10	10" fan



Part #	Description	Size
0375	DCSLX10	10" fan



Part #	Description	Size
0363	DCSL12 Old style	12" fan



Part #	Description	Size
0370	DCSL12	12" fan



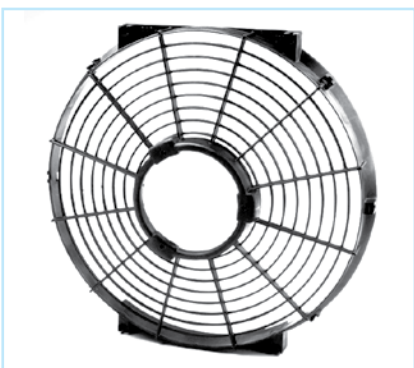
Part #	Description	Size
0351	DC31	14" fan



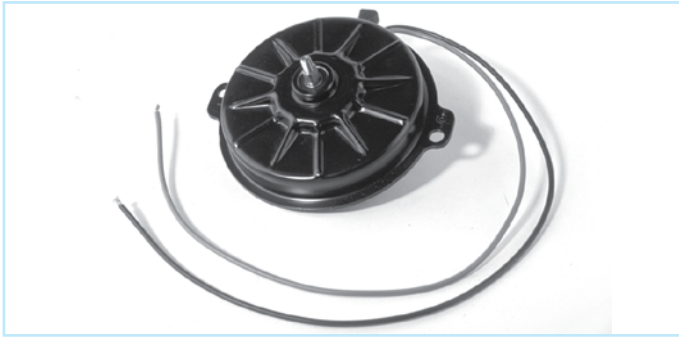
Part #	Description	Size
0362	DCSL14 Old style	14" fan



Part #	Description	Size
0371	DCSL14	14" fan



Part #	Description	Size
0366	DCSL16	16" fan



Part #	Description	Wattage
0213	SSW9511E 12V	80W
0215	SSW-9524E 24V	80W
0223	SSW9742LW 12V	100W
0224	SSW9743LW 24V	100W
0241	FM-50 12V, CD-80 12V	80W
0242	FM-60B 24V, CD-80 24V	80W
0259	SSW9594E 12V (sealed type)	80W
0260	SSW9584E 24V (sealed type)	80W
(0211	SSW 9510E)	<i>discontinued</i>
(0241	SSW 959)	<i>discontinued</i>



Part #	Description	Wattage
0220	ZD 1788A 12V	225W
0221	ZD 2788A 24V	225W
(0237	FP0816Q)	<i>discontinued</i>



Part #	Description	Wattage
0203	Y-706-21 12V	130W
0204	Y-706-23 24V	130W
(0202	SSW1158R)	<i>discontinued</i>
(0210	SSW 1193R 24V)	<i>discontinued</i>
(0235	SSW 11117R 27V)	<i>discontinued</i>



Part #	Description	Wattage
0290	SSW-9511E + Spacer 12V	80W
0291	SSW-9524E + Spacer 24V	80W
(0205	SSW9228)	<i>discontinued</i>
(0217	SSW 9270 24V)	<i>discontinued</i>
(0233	Y-702)	<i>discontinued</i>
(0244	ZDB 1501)	<i>discontinued</i>
(0246	ZDB 1501 or Y-702 24V)	<i>discontinued</i>
(0246	Y-702 24V)	<i>discontinued</i>

**\*Note:** If your current motor is discontinued, it may be more economical to buy a complete new fan of the same diameter.



## Fan Clutches

Fan clutches reduce the drain of engine power and improve the efficiency of a vehicle's cooling system. Fan clutches are fluid coupling devices which provide air flow through the radiator by using the water pump shaft to power a fan blade.

Fan clutch replacement may be required when any of the following problems exist:

- engine overheating
- silicon leaking from fan clutch unit
- fan spins with little or no resistance (free wheels)
- greasy build up at thermal spring or where shaft exits rear housing
- fan clutch vibrates on shaft or will not turn
- squealing noises from bearing

**Note:** the fan clutch should be checked for possible replacement when a water pump is installed.

### Thermal Fan Clutches

Thermal fan clutches have a built-in thermostat coil spring that detects the air temperature passing through the radiator and air conditioning condenser. The fan clutch engages and provides air flow, only when cooling is needed. When disengaged, the fan clutch "powers down" reducing power drain and increasing fuel economy.

When engaged, the fan clutch spins at approximately 75% of the water pump speed.

The fan clutches disengage and spin at about 33% of the water pump's speed when cooling is not required.

**This results in:**

- more efficient use of engine power
- improved fuel economy
- less fan noise
- extended belt and water pump life



### Non-Thermal Fan Clutches

Davies, Craig non-thermal fan clutches are constantly engaged and have a limited maximum spin rate. A non-thermal fan clutch achieves proper fan rotation speeds for necessary cooling; however, the constant engagement of the fan clutch decreases engine efficiency in comparison to a thermal fan clutch.

### Import/Compact Fan Clutches

The slim-line design and the use of mounting studs (like OE) instead of bolts makes installation much easier. The lighter weight improves fuel economy and reduces stress on the water pump.

As with all Davies, Craig fan clutches, strict attention to quality standards is constantly maintained during manufacturing to provide better performance, easier installation and longer product life.

### How to detect a faulty fan clutch

Please see "frequently-asked questions" on our website: [www.daviescraig.com.au](http://www.daviescraig.com.au)



# Competitor Cross-Reference

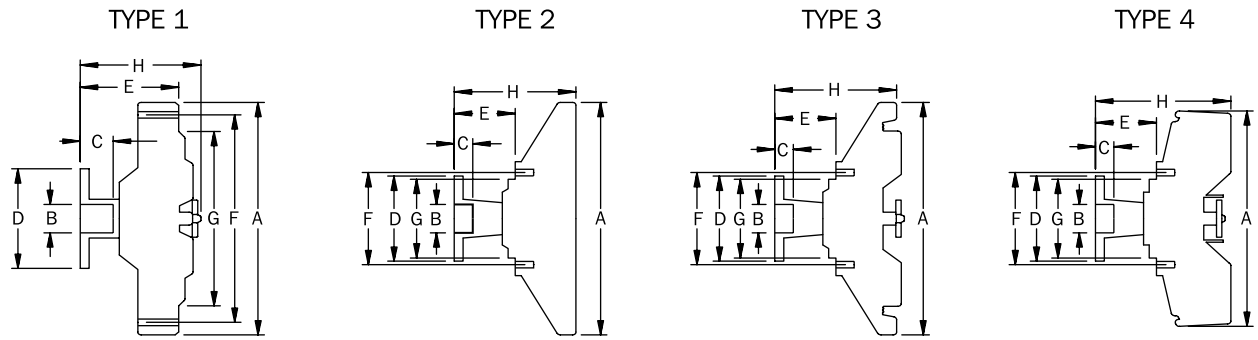
DAYCO PART #	DAVIES, CRAIG PART #	DAYCO PART #	DAVIES, CRAIG PART #	DAYCO PART #	DAVIES, CRAIG PART #
115011	2710	115247	5247	115-G607	2652
115014	5014	115499	5499	No cross reference	2557
115038	5038	115556	2556	No cross reference	2691
115049	2705	115558	2558	No cross reference	2731
115062	2712	115559	2559	No cross reference	2799
115063	2772	115561	2561	No cross reference	2803
115071	2709	115562	2562	No cross reference	2804
115072	5072	115591	2591	No cross reference	2805
115073	5073	115650	2650	No cross reference	2806
115081	2554	115655	2655	No cross reference	2807
115081	5106	115656	2656	No cross reference	2808
115082	5001	115659	2659	No cross reference	2809
115085	2653	115661	2661	No cross reference	5053
115087	2567	115663	5458	No cross reference	5102
115088	5231	115733	2733	No cross reference	5104
115092	2565	115747	2747	No cross reference	5107
115101	5101	115765	2765	No cross reference	5253
115103	5103	115774	2774	No cross reference	5265
115105	5105	115783	2783	No cross reference	5302
115106	5106	115796	2796	No cross reference	5408
115124	5124	115-050472	5301	No cross reference	5428
115203	5203	115-142419	2654	No cross reference	5459
115205	5205	115-61120	2657	No cross reference	5468

Source: Dayco Fan Clutch Catalogue



\* CW = clockwise | CCW = counter clockwise when looking from the front of the vehicle

# Fan Clutch – Mounting



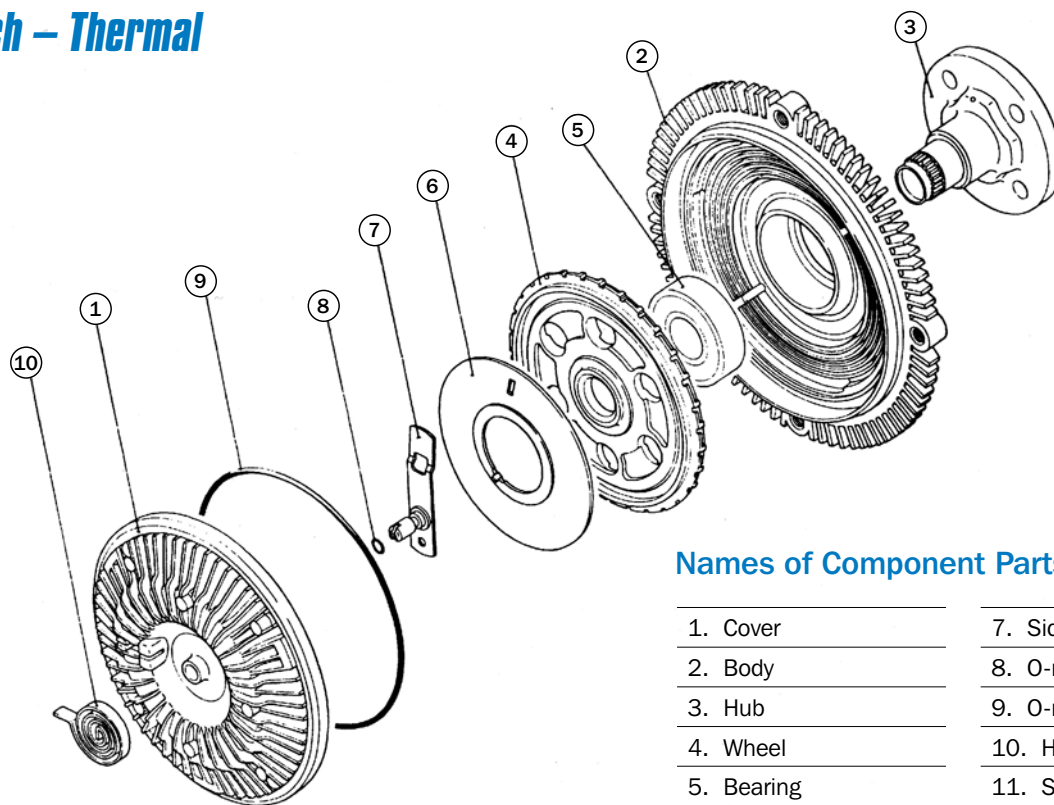
All dimensions in millimetres unless specified

Should a vehicle not appear in the Model Selection Guide (pages 44-56), the critical measurements are B, C, D and F.

## THERMAL

PART NO.	TYPE	ROTATION (looking from front of vehicle)*	OVERALL DIAMETER	PILOT DIAMETER	PILOT DEPTH	FLANGE CIRCLE	FAN MOUNT HEIGHT	FAN BOLT CIRCLE	FAN MOUNT DIAMETER	OVERALL HEIGHT	BOLT/NUT TYPE (Fan to Clutch)
			A	B	C	D	E	F	G	H	
2554	1	CW	148.6	16.0/24.4	19.1	78.0	49.8	121.9	103.9	62.2	6mm x 1.0 nut
2556	1	CW	148.6	16.0/25.9	15.2	76.2	44.7	127.8	89.9	57.2	6mm x 1.0 bolt
2557	1	CW	148.6	16.0	19.1	65.0	61.0	124.0	111.1	79.2	6mm x 1.0 bolt
2558	1	CW	148.6	15.0/19.0	12.7	65.0	44.5	121.9	103.9	57.9	6mm x 1.0 nut
2559	1	CW	148.6	16.0	22.4	57.9	54.6	121.9	103.9	67.8	6mm x 1.0 nut
2560	1	CW	148.6	16.0/32.0	12.7	76.2	49.3	133.9	119.9	61.0	6mm x 1.0 nut
2561	1	CW	148.6	16.0/32.0	22.4	76.2	53.3	121.9	103.9	64.3	6mm x 1.0 nut
2562	1	CW	142.0	16.0/24.1	23.6	68.1	40.6 rear	129.5	111.8	68.6	6mm x 1.0 bolt
2565	1	CW	148.6	16.0	12.7	57.9	46.0	121.9	103.9	58.4	6mm x 1.0 nut
2567	1	CW	148.6	16.0	17.8	68.6	51.6	121.9	103.9	64.0	6mm x 1.0 nut
2583	1	CW	113.0	23.9	6.1	52.3	47.2	98.0	82.0	68.8	6mm x 1.0 nut
2591	1	CW	137.9	left hand	thread on	32.0mm A/F	35.1	124.0	111.1	51.0	6mm x 1.0 bolt
2650	1	CW	157.5	16.0/32.0	19.8	76.2	59.9	143.5	128.8	74.9	6mm x 1.0 bolt
2652	1	CW	168.9	17.5	14.0	76.2	54.4	153.2	136.9	70.1	6mm x 1.0 bolt
2653	1	CW	168.9	16.0/25.7	22.9	78.0	62.0	135.9	103.9	77.0	6mm x 1.0 nut
2654	1	CW	168.9	16.0/24.1	21.6	68.1	59.4	153.2	136.9	74.4	6mm x 1.0 bolt
2655	1	CW	168.9	16.0/25.1	24.6	106.2	59.4	135.9	103.9	74.4	6mm x 1.0 nut
2656	1	CCW	168.9	16.0/32.5	22.9	94.0	64.8	135.9	103.9	80.3	6mm x 1.0 nut
2657	1	CW	168.9	16.0/25.7	22.9	78.0	62.0	135.9	103.9	77.0	6mm x 1.0 nut
2659	1	CW	168.9	15.0	17.3	69.3	58.2	135.9	103.9	73.2	6mm x 1.0 nut
2661	1	CW	168.9	16.0	21.1	78.0	72.4	135.9	103.9	87.4	6mm x 1.0 nut
2664	1	CW	157.5	16.0/32.0	12.7	76.2	59.9	143.5	128.8	74.4	6mm x 1.0 bolt
2678	1	CCW	168.9	16.0	22.4	92.2	65.8	135.9	103.9	83.3	6mm x 1.0 nut
2680	1	CW	168.9	16.0	22.4	66.0	57.2	153.2	136.9	74.7	6mm x 1.0 nut
2691	1	CW	159.8	left hand	thread on	32.0mm A/F	36.6	146.8	135.0	49.0	6mm x 1.0 bolt
2705	2	CW	183.6	16.0	26.2	65.8	38.9	82.6	66.3	78.5	5/16-18 bolt
2710	2	CW	183.6	16.0/19.1	19.1	59.2	44.5	76.2	59.9	84.6	5/16-18 bolt
2712	2	CW	183.6	left hand	thread on	32.0mm A/F	26.2	76.2	60.2	66.3	5/16-18 bolt
2731	3	CW	183.6	16.0	26.2	61.2	57.2	82.6	66.3	101.5	5/16-18 bolt
2733	3	CCW	183.6	16.0	26.2	65.8	44.5	82.6	66.3	91.4	5/16-18 bolt
2737	3	CCW	182.9	16.0	26.2	66.0	38.9	82.6	66.5	81.3	5/16-18 nut
2747	3	CW	183.6	16.0/19.1	16.0	65.8	41.1	82.6	66.3	88.1	5/16-18 bolt
2765	2	CW	183.6	16.0/19.1	14.2	58.9	27.7	82.6	66.3	67.8	5/16-18 bolt
2771	3	CCW	182.9	right hand	thread on	36.0mm A/F	44.5	82.6	66.5	88.1	5/16-18 nut
2772	2	CW	183.6	left hand	thread on	32.0mm A/F	26.2	82.6	66.3	69.9	5/16-18 bolt
2774	3	CCW	183.6	right hand	thread on	37.0mm A/F	31.8	82.6	66.3	75.7	5/16-18 bolt
2783	4	CCW	163.8	16.0	16.0	65.5	45.7	82.6	66.3	98.8	5/16-18 bolt
2796	4	CCW	163.8	16.0	16.0	62.5	41.4	82.6	66.3	94.2	5/16-18 bolt
2799	4	CW	163.8	19.1	16.0	65.5	41.4	82.6	66.3	94.2	5/16-18 bolt
2803	-	CW	152.5	bush - 23.5	-	-	-	100.0	85.5	32.0	7mm bolt & nut
2804	3	CW	152.5	left hand	thread on	32.0mm A/F	22.0	100.0	85.5	62.0	5/16-18 bolt
2805	3	CW	167.5	left hand	thread on	32.0mm A/F	28.5	82.6	66.6	70.0	5/16-18 bolt
2806	3	CCW	167.5	right hand	thread on	37.0mm A/F	28.5	82.6	66.6	70.0	5/16-18 bolt
2807	3	CW	152.5	left hand	thread on	32.0mm A/F	22.0	100.0	85.5	55.5	6mm x 1.0 bolt
2808	3	CW	167.5	left hand	thread on	32.0mm A/F	28.5	82.6	66.6	70.0	5/16-18 bolt
2809	4	CCW	163.1	right hand	thread on	37.0mm A/F	27.5	82.6	66.6	80.5	5/16-18 bolt
5001	1	CW	147.0	17.2/31.4	23.9	76.8	45.3	133.5	120.0	58.9	6mm x 1.0 bolt

# Fan Clutch – Thermal



## Names of Component Parts

1. Cover	7. Side valve
2. Body	8. O-ring
3. Hub	9. O-ring
4. Wheel	10. Heat element
5. Bearing	11. Silicon oil *
6. Operation plate	(*not shown)

## THERMAL

PART NO.	TYPE	ROTATION (looking from front of vehicle)*	OVERALL DIAMETER	PILOT DIAMETER	PILOT DEPTH	FLANGE CIRCLE	FAN MOUNT HEIGHT	FAN BOLT CIRCLE	FAN MOUNT DIAMETER	OVERALL HEIGHT	BOLT/NUT TYPE (Fan to Clutch)
			A	B	C	D	E	F	G	H	
5014	1	CW	160.0	16.0	22.2	78.5	67.0	136.0	104.0	81.8	8mm
5038	1	CW	155.9	16.0/31.4	19.3	77.2	45.3	143.0	129.4	61.7	6mm x 1.0 bolt
5053	1	CW	154.0	32.0	11.5	78.0	62.0	143.0	129.0	80.0	6mm x 1.0 bolt
5072	1	CW	147.0	16.0/31.4	19.3	77.2	45.3	133.5	120.0	64.0	6mm x 1.0 bolt
5073	1	CW	155.9	16.0/31.4	19.0	77.2	45.3	143.0	129.4	68.4	6mm x 1.0 bolt
5101	1	CW	136.0	16.0/taper	7.0/23.2	75.7	67.0	122.0	104.0	86.7	6mm x 1.0 nut
5102	1	CW	135.7	16.0/taper	9.9/23.2	75.7	61.1	122.0	104.0	80.6	6mm x 1.0 nut
5103	1	CW	136.0	16.0	22.5	58.0	53.0	122.0	104.0	73.0	6mm x 1.0 nut
5104	1	CW	136.0	16.0/taper	12.0/21.5	76.0	51.0	122.0	104.0	70.7	6mm x 1.0 nut
5105	1	CW	136.0	16.0/taper	9.0/23.0	76.6	49.0	122.0	104.0	68.5	6mm x 1.0 nut
5106	1	CW	136.0	16.0/taper	9.2/23.2	75.5	48.8	122.0	104.0	68.5	6mm x 1.0 nut
5107	1	CW	135.5	16.0/48.0	9.6/27.0	76.0	51.5	122.0	105.8	71.0	6mm x 1.0 nut
5124	1	CW	160.0	16.0/taper	11.0/21.5	77.5	69.3	136.0	104.0	83.5	6mm x 1.0 nut
5203	1	CW	147.0	15.6/31.4	10.9/18.7	77.0	45.3	133.5	120.0	58.4	6mm x 1.0 bolt
5205	1	CW	147.0	15.6/31.4	10.9/18.7	77.0	45.5	133.5	120.0	58.5	6mm x 1.0 bolt
5231	1	CW	147.0	13.7/24.8	7.4/16.6	66.0	50.0	133.5	120.0	63.2	6mm x 1.0 bolt
5247	1	CW	148.6	14.2/24.9	7.4/16.6	65.5	56.1	133.9	120.0	68.8	6mm x 1.0 bolt
5253	1	CW	147.4	15.6/31.4	10.9/18.7	77.0	45.6	133.5	120.0	58.5	6mm x 1.0 bolt
5265	1	CW	156.0	15.6/31.4	10.9/18.7	77.2	55.0	142.6	129.0	72.0	6mm x 1.0 bolt
5301	1	CW	170.3	24.0	12.0	70.0	61.5	152.5	137.1	75.4	6mm x 1.0 bolt
5302	1	CW	135.0	32.0	23.2	73.0	55.0	122.0	104.0	74.5	6mm x 1.0 bolt
5407	1	CW	127.5	16.0	18.0	58.0	46.7	112.0	89.8	70.0	6mm x 1.0 bolt
5410	1	CW	164.0	16.0	23.5	78.0	68.7	136.0	104.0	84.0	6mm x 1.0 bolt
5411	1	CW	164.0	16.0	23.5	78.0	67.0	136.0	104.0	82.3	6mm x 1.0 bolt
5412	1	CW	164.0	22.0	23.5	78.0	76.0	136.0	104.0	91.3	6mm x 1.0 bolt
5428	1	CW	134.0	16.0	19.0	70.0	59.0	122.0	104.0	80.2	6mm x 1.0 bolt
5458	1	CW	165.0	16.0	26.5	76.0	68.8	136.0	104.0	87.6	6mm x 1.0 bolt
5459	1	CW	168.9	18.0	9.6	147.0	37.3	153.0	136.9	54.0	6mm x 1.0 bolt
5499	1	CW	165.1	16.0/taper	9.9/26.2	76.0	77.3	136.0	104.0	95.1	6mm x 1.0 2olt

## NON-THERMAL

2709	2	CW	184.2	left hand	thread on	32.0mm 1/f	25.9	82.6	66.3	67.1	5/16-18 bolt
5408	2	CW	120.5	16.0/31.7	11.5/23.5	71.0	45.9	104.2	89.8	61.2	6mm x 1.0 bolt
5468	2	CW	142.8	24.0	18.8	68.0	37.8	100.0	83.9	62.1	6mm x 1.0 bolt

## FAN CLUTCHES - MODEL SELECTION GUIDE

Should a vehicle not appear in this Model Selection Guide, the critical measurements are B, C, D and F (see diagrams, page 42).

CAR MODEL	YEAR	ENGINE TYPE	ENGINE CAPACITY	APPLICATION DESCRIPTION	DAVIES, CRAIG PART #
<b>AMC*</b>					
* Call Davies, Craig for more information about Ambassador, Concord, Eagle, Gremlin, Hornet, Javelin, Matador, Pacer, Spirit & AMX models.					
<b>BMW</b>					
<b>318i</b>	85-91	L4	1.8	M10, E30	2591
	91-95	L4	1.8	M42, E36	2591
	96-98	L4	1.9	M44, E36	2591
<b>318iS</b>	91-95	L4	1.8	M42, E36	2591
	96-97	L4	1.9	M44, E36	2591
<b>318Ti</b>	96-00	L4	1.9	M44, E36	2591
<b>320i</b>	91-95	L6	2.0	M50, E36	2691
	00-05	L6	2.2	M54, E46	2691
<b>323i</b>	96-98	L6	2.5	M52, E36	2691
	99-00	L6	2.5	M52, E46	2691
<b>323Ci</b>	2000	L6	2.5	M52, E46	2691
<b>325e</b>	86-87	L6	2.7	M20, E30	2591
<b>325i</b>	88-91	L6	2.5	M20, E30	2591
	92-95	L6	2.5	M50, E36	2691
	00-05	L6	2.5	M54, E46	2691
<b>325Ci</b>	00-06	L6	2.5	M54, E46	2691
<b>328i</b>	95-00	L6	2.8	M52, E36	2691
	99-00	L6	2.8	M52, E46	2691
<b>330i</b>	00-05	L6	3.0	M54, E46	2691
<b>520i</b>	92-96	L6	2.0	M50, E34	2691
<b>523i</b>	96-00	L6	2.5	M52, E39	2691
<b>525i</b>	88-90	L6	2.5	M20, E34	2591
	91-95	L6	2.5	M50, E34	2691
	00-03	L6	2.5	M54, E39	2691
<b>528e</b>	85-88	L6	2.7	M20, E28	2591
<b>528i</b>	96-00	L6	2.8	M52, E39	2691
<b>530i</b>	00-01	L6	3.0	M54, E39	2691
<b>535i</b>	86-87	L6	3.4	M30, E28	2591
<b>635csi</b>	85-89	L6	3.5	M30, E32	2591
<b>730i</b>	90-92	L6	3.0	M30	2591
<b>M3</b>	94-96	L6	3.0	S50, E36	2691
	96-99	L6	3.2	S50B32, E36	2691
<b>M5</b>	87-88	L6	3.4	S38, E34	2591
<b>M6</b>	87-88	L6	3.4	S38, E24	2591
<b>M Coupe / Roadster</b>	98-00	L6	3.2		2691
<b>X5</b>	01-06	L6	3.0		2691
<b>Z3</b>	97-00	L6	2.8		2691
	97-99	L4	1.9	M44	2591
	01-02	L6	3.0		2691
<b>BUICK*</b>					
* Call Davies, Craig for more information about Century, Electra & Riviera models.					
<b>CADILLAC*</b>					
<b>Brougham</b>	82	V8	5.7 (350)	Diesel	2731
<b>Calais</b>	65-67	V8	7.0 (429)		2747
	68-74	V8	7.8 (472)		2747
	75-76	V8	8.0 (500)		2747
* Call Davies, Craig for more information about Brougham, DeVille, Eldorado, Fleetwood & Seville models.					
<b>CHEVROLET*</b>					
<b>Chevrolet</b>	67-81	V8		Small block 350 (most)	2705
	67-69	V8		Small block 327	2705
	67-81	V8		Small block 350 (most heavy duty)	2747
	70-76	V8		Big block (most)	2705
	70-76	V8		Big block (most heavy duty)	2747
	71-73	V8		Small block 307	2705
	76-85	V8		Small block 305	2705
* Call Davies, Craig for more information about Camaro, Caprice, Chevelle, Corvette, El Camino, Impala, Malibu, Monte Carlo, Monza, Nova and some GMC light truck models.					

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CAR MODEL	YEAR	ENGINE TYPE	ENGINE CAPACITY	APPLICATION DESCRIPTION	DAVIES, CRAIG PART #	
<b>CHRYSLER</b>						
<b>Valiant</b>	63-69	V8	4.5 (273)		2705	
	69-81	V8	5.2 (318)		2705	
	69-81	V8	5.6 (340)		2705	
	69-81	V8	5.9 (360)		2705	
<b>DAIHATSU</b>						
<b>Delta</b>	85-88	L4	2.0	3Y, V67, V68, V107	5103	
	84-89	L4	3.4	13B, V76, V78, V79	5105	
	81-90	L4	3.0	B, V90	5105	
<b>Rocky</b>	84-02	L4	2.0	3Y	5103	
<b>FORD</b>						
<b>Bronco</b>	81-85	V8	5.8		2710	
	81-85	V8	5.8	Air conditioning	2747	
	86	V8	5.0		2710	
	86	V8	5.0	Air conditioning	2747	
<b>Corsair</b>	89-92	L4	2.0	CA20ES	5231	
<b>Cortina</b>	80-82	L6	3.3	X Flow with air conditioning	2712	
	80-82	L6	4.1	X Flow with air conditioning	2712	
<b>Courier</b>	85-91	L4	2.0		2652	
	82-95	L4	2.2	Diesel	2562	
	87-89	L4	2.6	4G54	2565	
	87-90	L4	2.6	SG, HG	5407	
	90-00	L4	2.6	G6	2652	
<b>Econovan</b>	85-05	L4	2.0	FE	5468	
<b>F100</b>	65-66	L6	3.7 (223)		2710	
	67-74	L6	3.9 (240)		2710	
	71-76	V8	4.9 (302)	Excl. Pony option	2710	
	74-76	L6	4.1 (250)		2710	
	77-85	L6	4.1		2710	
	77-79	V8	4.9	Excl. Pony option	2710	
	78-84	V8	5.8		2710	
	78-84	V8	5.8	Air conditioning	2747	
	<b>F150</b>	87-90	V8	5.0		2733
		90-93	V8	5.8		2733
90-93		V8	5.8	Air conditioning 19" fan	2783	
<b>F250</b>	65-66	L6	3.7 (223)		2710	
	67-74	L6	3.9 (240)		2710	
	74-76	L6	4.1 (250)		2710	
	75-76	V8	4.9 (302)	Excl. Pony option	2710	
	77-85	L6	4.1		2710	
	77	V8	4.9	Excl. Pony option	2710	
	78-85	V8	5.8		2710	
	78-85	V8	5.8	Air conditioning	2747	
<b>F350</b>	67-74	L6	3.9 (240)		2710	
	74-76	L6	4.1 (250)		2710	
	75-76	V8	4.9 (302)	Excl. Pony option	2710	
	77-85	L6	4.1		2710	
	75-76	V8	4.9 (302)	Excl. Pony option	2710	
	77-85	L6	4.1		2710	
	77-86	V8	4.9	Excl. Pony option	2710	
	78-79	V8	5.8		2710	
	78-79	V8	5.8	Air conditioning	2747	
	87-89	V8	5.0		2733	
	87-89	V8	5.0	Air conditioning	2783	
	91-93	V8	5.8	Injected	2733	
	91-93	V8	5.8	Air conditioning, injected	2733	
<b>Fairlane</b>	69-70	V8	4.9 (302)	ZC	2710	
	69-70	V8	5.8 (351)	ZC	2710	
	71	L6	4.1 (250)	ZD	2712	
	71	V8	4.9 (302)	ZD	2710	
	71	V8	5.8 (351)	ZD	2710	
	72-73	L6	4.1 (250)	ZF	2712	

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CAR MODEL	YEAR	ENGINE TYPE	ENGINE CAPACITY	APPLICATION DESCRIPTION	DAVIES, CRAIG PART #	
<b>Fairlane (ctd)</b>	72-73	V8	4.9 (302)	ZF	2710	
	72-73	V8	5.8 (351)	ZF	2710	
	74-75	L6	4.1 (250)	ZG	2712	
	74-76	V8	4.9 (302)	ZG	2710	
	74-76	V8	5.8 (351)	ZG	2710	
	76-79	V8	4.9	ZH	2710	
	76-79	V8	5.8	ZH	2710	
	79-82	L6	4.1	ZJ	2712	
	79-82	V8	4.9	ZJ	2710	
	79-82	V8	5.8	ZJ	2710	
	82-83	L6	4.1 (250)	ZK	2712	
	83-84	L6	4.1 (250)	ZK Injected	2712	
	82	V8	4.9	ZK	2710	
	84-86	L6	4.1 (250)	ZL	2712	
	84-88	L6	4.1 (250)	ZL Injected	2712	
	88-89	L6	3.9	NA	2709	
	89-91	L6	3.9	NA II	2709	
	88-89	L6	3.9	NA 10-blade fan	2772	
	89-91	L6	3.9	NA II 10-blade fan	2772	
	91-92	L6	3.9	NC	2772	
	91-92	V8	5.0	NC	2774	
	92-94	L6	4.0	NC II	2772	
	92-94	V8	5.0	NC II	2774	
	94	L6	4.0	NF	2772	
	94	V8	5.0	NF	2774	
	95-96	V8	5.0	NF II	2774	
	97-98	V8	5.0	NL	2774	
	<b>Falcon/Fairmont</b>	72-73	L6	3.3 (200)	XA	2712
		72-73	L6	4.1 (250)	XA	2712
		72-73	V8	4.9 (302)	XA	2710
		72-73	V8	5.8 (351)	XA	2710
		74-76	L6	3.3 (200)	XB	2712
		74-76	L6	4.1 (250)	XB	2712
74-76		V8	4.9 (302)	XB	2710	
74-76		V8	5.8 (351)	XB	2710	
76-79		L6	3.3	XC Air conditioning	2712	
76-79		L6	4.1	XC Air conditioning	2712	
76-79		V8	4.9	XC	2710	
76-79		V8	5.8	XC	2710	
79-82		L6	3.3	XD Air conditioning	2712	
79-82		L6	4.1	XD Air conditioning	2712	
79-82		V8	4.9	XD	2710	
79-81		V8	5.8	XD	2710	
82-84		L6	3.3	XE Air conditioning	2712	
82-84		L6	4.1	XE Air conditioning	2712	
84		L6	4.1	XE Injected, air conditioning	2712	
82		V8	4.9	XE	2710	
82		V8	5.8	XE	2710	
84-87		L6	3.3	XF Air conditioning	2712	
84-93		L6	4.1	XF Air conditioning	2712	
84-87		L6	4.1	XF Injected, air conditioning	2712	
88-89		L6	3.2	EA	2709	
88-89		L6	3.9	EA 5-blade	2709	
88-89		L6	3.9	EA 10-blade	2772	
89		L6	3.9	EA Multipoint 5-blade	2709	
89		L6	3.9	EA Multipoint 10-blade	2772	
89-91		L6	3.9	EA II 5-blade	2709	
89-91		L6	3.9	EA II 10-blade	2772	
90-91		L6	3.9	EA II Multipoint 5-blade	2709	
90-91		L6	3.9	EA II Multipoint 10-blade	2772	
91-92	L6	3.9	EB 5-blade	2709		
91-92	L6	3.9	EB 10-blade	2772		

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<b>Falcon/Fairmont (ctd)</b>	91-92	V8	5.0	EB	2774
	92-93	L6	4.0	EB II	2772
	92-93	V8	5.0	EB II	2774
	93-94	L6	4.0	ED	2772
	93-94	V8	5.0	ED	2774
	93-96	L6	4.0	XG 5-blade	2709
	93-96	L6	4.0	XG 10-blade	2772
	94-95	L6	4.0	EF	2772
	94-95	V8	5.0	EF	2774
	95-96	V8	5.0	EF II	2774
	96-98	V8	5.0	EL	2774
	97-99	V8	5.0	XH II	2774
	<b>Falcon Utility</b>	76-93	L6	3.3/4.1	X Flow XC, XD, XE, XF,
93-96		L6	4.0	OHC XG Longreach 5-blade fan	2709
93-96		L6	4.0	OHC XG Longreach 10-blade fan	2772
97-99		V8	5.0	XH II	2774
<b>LTD</b>	73-75	V8	5.8 (351)		2710
	75-76	V8	5.8 (351)		2710
	76-78	V8	5.8 (351)		2710
	78-79	V8	5.8 (351)		2710
	79-82	L6	4.1	FC	2712
	79-82	V8	5.8 (351)	FC	2710
	82-84	L6	4.1	FD	2712
	82-84	V8	4.9	FD	2710
	82-84	V8	5.8 (351)	FD	2710
	84-88	L6	4.1	FE	2712
	88-89	L6	3.9	DA 5-blade	2709
	88-89	L6	3.9	DA 10-blade	2772
	89-91	L6	3.9	DA II 5-blade	2709
	89-91	L6	3.9	DA II 10-blade	2772
	91-92	L6	3.9	DC	2772
	91-95	V8	5.0	DC	2774
	92-95	L6	4.0	DC	2772
	95	L6	4.0	DF	2772
	95	V8	5.0	DF	2774
	95-96	L6	4.0	DF II	2772
95-96	V8	5.0	DF II	2774	
96-99	V8	5.0	DL	2774	
<b>Maverick</b>	88-94	L6	4.2	-10/91	5038
	88-94	L6	4.2	10/91-2/94 TB42S	5072
	88-94	L6	4.2	2/94- TB42E	5073
	88-94	L6	4.2	Diesel	5205
<b>Mustang</b>	65-68	V8	4.7 (289)		2710
	68-73	V8	4.9 (302)		2710
	69-72	V8	5.8 (351)	Inc. Mach 1	2710
<b>Raider</b>	91-96	L4	2.6	G6	2652
	<b>Spectron</b>	83-84	L4	1.6	F8
84-86		L4	1.8	F8	5468
85-90		L4	2.0	F8	5468
<b>HOLDEN</b>					
<b>Belmont</b>	69	V8	4.2 (253)	HK	2705
	69-71	V8	4.2 (253)	HT	2705
	70-71	V8	5.0 (307)	HT	2705
	71-72	V8	5.0 (308)	HG	2705
	71-72	V8	4.2 (253)	HG	2705
	72-75	V8	4.2 (253)	HQ	2705
	72-75	V8	5.0 (308)	HQ	2705
	75-76	V8	4.2	HJ	2705
	76-78	V8	4.2	HX	2705
	78-80	V8	4.2	HZ	2705
	<b>Brock</b>	80-81	V8	5.0	VC HDT
82-84		V8	4.2	VH HDT	2705

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<b>Brock (ctd)</b>	82-84	V8	5.0	VH HDT	2705
	84-86	V8	5.0	VK SS inc. Group 3	2705
	85-86	V8	4.9	VK SS	2705
	86-87	V8	4.9	VL SS	2705
	88	L6	3.0	VL	5001
	88	V8	5.0	VL	2705
<b>Brougham</b>	68-69	V8	5.0 (307)	HK	2705
	69-70	V8	5.0 (308)	HT	2705
	70-71	V8	5.0 (308)	HG	2705
<b>Calais</b>	84-86	L6	3.3	VK	2705
	84-86	V8	5.0	VK	2705
	86-88	L6	3.0	VL	5001
	86-88	L6	3.0	VL Turbo	5001
	86-88	V8	5.0	VL	2705
	89-91	V8	5.0	VN	2705
	91-92	V8	5.0	VP	2705
	92-93	V8	5.0	VP II	2705
	93-95	V8	5.0	VR	2705
	95	V8	5.0	VR II	2705
	95-96	V8	5.0	VS	2705
	96-97	V8	5.0	VS II	2705
	97-99	V8	5.0	VT	2705
97-99	V8	5.7	VT II	2705	
<b>Caprice</b>	75-76	V8	5.0	HJ	2705
	76-78	V8	5.0	HX	2705
	78-80	V8	5.0	HZ	2705
	80-85	V8	5.0	WB	2705
	90-91	V8	5.0	VQ	2705
	92-94	V8	5.0	VQ II	2705
	94-95	V8	5.0	VR	2705
	95-96	V8	5.0	VS	2705
	96-98	V8	5.0	VS II	2705
	98-99	V8	5.0	VS III	2705
	<b>Commodore</b>	78-80	L6	2.8	VB
78-80		L6	3.3	VB	2705
78-80		V8	4.2	VB	2705
78-80		V8	5.0	VB	2705
80-81		L4	1.9	VC	2705
80-81		L6	2.8	VC	2705
80-81		L6	3.3	VC	2705
80-81		V8	4.2	VC	2705
80-81		V8	5.0	VC	2705
81-84		L4	1.9	VH	2705
81-84		L6	2.8	VH	2705
81-84		L6	3.3	VH	2705
81-84		V8	4.2	VH	2705
81-84		V8	5.0	VH	2705
84-86		L6	3.3	VK	2705
84-86		L6	3.3	VK Injected	2705
84-86		V8	5.0	VK	2705
85-86		V8	4.9	VK	2705
86-88		L6	3.0	VL	5001
86-88		L6	3.0	VL Turbo	5001
86-87		V8	4.9	VL	2705
86-88		V8	5.0	VL	2705
89-91		V8	5.0	VN	2705
91-92		V8	5.0	VP	2705
92-93		V8	5.0	VP II	2705
93-94		V8	5.0	VR	2705
94-95		V8	5.0	VR II	2705
95-96	V8	5.0	VS	2705	
96-98	V8	5.0	VS II	2705	



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<b>Commodore (ctd)</b>	97-99	V8	5.0	VT	2705	
	98-00	V8	5.0	VS III	2705	
<b>Frontera</b>	95-98	L4	2.0	M7	5302 or 2561	
	99-00	L4	2.2	MX	5302 or 2561	
<b>Jackaroo</b>	81-87	L4	1.9		5302 or 2561	
	82-83	L4	2.0		5302 or 2561	
	82-85	L4	2.2		2561 or 5302	
	85-92	L4	2.3	UBS16, 4ZD1 with front mount fan	2567	
	88-92	L4	2.6	UBS17, 4ZE1 with front mount fan	2567	
	92-98	L4	2.6	UBS25, 4ZE1	5428	
	92-98	V6	3.2	UBS25, 6VD-1	5458	
	99-00	V6	3.8	VT II Supercharged	5302 or 2561	
	99-00	V8	5.7	VT II	5302 or 2561	
	00-01	V6	3.8	VX	5302 or 2561	
	00-01	V6	3.8	VX Supercharged	2567	
	00-01	V8	5.7	VX	2567	
	01-02	V6	3.8	VX II	5428	
	01-02	V6	3.8	VX II Supercharged	5458	
	<b>Kingswood</b>	68-69	V8	5.0 (308)	HK	2705
68-69		V8	5.0 (307)	HK	2705	
69-70		V8	4.2 (253)	HT	2705	
69-70		V8	5.0 (307)	HT	2705	
70		V8	5.0 (308)	HT	2705	
70-71		V8	4.2 (253)	HG	2705	
70-71		V8	5.0 (307)	HG	2705	
71		V8	5.0 (308)	HG	2705	
71-75		V8	4.2 (253)	HQ	2705	
71-75		V8	5.0 (308)	HQ	2705	
75-76		V8	4.2	HJ	2705	
75-76		V8	5.0	HJ	2705	
76-77		V8	4.2	HX	2705	
76-77		V8	5.0	HX	2705	
77-81		V8	4.2	HZ	2705	
77-81		V8	5.0	HZ	2705	
81-85		V8	4.2	WB	2705	
<b>Monaro</b>		68-69	V8	5.0 (307)	HK	2705
		68-69	V8	5.3 (327)	HK	2705
		69-70	V8	4.2 (253)	HT	2705
	69-70	V8	5.7 (350)	HT	2705	
	70	V8	5.0 (308)	HT	2705	
	70-71	V8	4.2 (253)	HG	2705	
	70-71	V8	5.0 (308)	HG	2705	
	70-71	V8	5.7 (350)	HG	2705	
	71-75	V8	4.2 (253)	HQ	2705	
	71-75	V8	5.0 (308)	HQ	2705	
	71-75	V8	5.7 (350)	HQ	2705	
	75-76	V8	4.2	HJ	2705	
	75-76	V8	5.0	HJ	2705	
	76-77	V8	4.2	HX	2705	
	76-77	V8	5.0	HX	2705	
	77-78	V8	4.2	HZ	2705	
	77-78	V8	5.0	HZ	2705	
	<b>Premier</b>	68-69	V8	5.0 (307)	HK	2705
69-70		V8	4.2 (253)	HT	2705	
70		V8	5.0 (308)	HT	2705	
70-71		V8	4.2 (253)	HG	2705	
70-71		V8	5.0 (308)	HG	2705	
71-75		V8	4.2 (253)	HQ	2705	
71-75		V8	5.0 (308)	HQ	2705	
75-76		V8	4.2 (253)	HJ	2705	
75-76		V8	5.0 (308)	HJ	2705	
76-77		V8	4.2 (253)	HX	2705	

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CAR MODEL	YEAR	ENGINE TYPE	ENGINE CAPACITY	APPLICATION DESCRIPTION	DAVIES, CRAIG PART #
<b>Premier (ctd)</b>	76-77	V8	5.0 (308)	HX	2705
	77-79	V8	4.2 (253)	HZ	2705
	77-79	V8	5.0 (308)	HZ	2705
<b>Rodeo</b>	81-88	L4	2.0	KBD26/41, C190	2561 or 5302
	83-85	L4	1.8	KB26, KB42, KB47	2561 or 5302
	81-87	L4	2.2	KBD27/43, UBS16, inc. Turbo C223	2561 or 5302
	85-88	L4	2.2	Diesel	2561 or 5302
	85-91	L4	2.3	KB28/KB49, 4ZDI	2567
	85-	L4	2.0	KB28	2561 or 5302
	88-98	L4	2.6	Injected HK, HM, 4ZEI, front mount fan	2567
	88-03	L4	2.8	Turbo Diesel HK, HM, HP, HW, 4JBI	5302 or 2561
	91-93	L4	2.3	TF, 4ZDI	2567
	98-03	V6	3.2	HW, 6VDI	5458
<b>Statesman</b>	98-	L4	2.6	TF, 4ZEI	5428
	71-75	V8	4.2 (253)	HQ	2705
	71-75	V8	5.0 (308)	HQ	2705
	71-75	V8	5.7 (350)	HQ	2705
	75-76	V8	5.0 (308)	HJ	2705
	76-77	V8	5.0 (308)	HX	2705
	77-79	V8	5.0 (308)	HZ	2705
	80-85	V8	5.0 (308)	WB	2705
	90-91	V8	5.0 (308)	VQ	2705
	91-94	V8	5.0 (308)	VQ II	2705
	94-95	V8	5.0 (308)	VR	2705
	95-96	V8	5.0 (308)	VS	2705
	96-98	V8	5.0 (308)	VS II	2705
98-99	V8	5.0 (308)	VS III	2705	
<b>Sunbird</b>	76-78	L4	1.9	LX	2705
	78-80	L4	1.9	UC	2705
<b>Torana</b>	74-76	L4	1.9	LH	2705
	74-76	L6	2.8	LH	2705
	74-76	L6	3.3	LH	2705
	74-76	V8	4.2	LH	2705
	74-76	V8	5.0	LH	2705
	76-78	L4	1.9	LX	2705
	76-78	L6	2.8	LX	2705
	76-78	L6	3.3	LX	2705
	76-78	V8	4.2	LX	2705
	76-78	V8	5.0	LX	2705
	78-79	L6	2.8	UC	2705
	78-79	L6	3.3	UC	2705
	<b>Ute</b>	90-00	V8	5.0	VG, VP, VR, VS, VU, 5000EFI
<b>One Tonne</b>	80-85	L6	3.3		2705
<b>WB</b>	80-85	L6	2.3 & 3.3		2705
	80-85	V8	4.2 & 5.1		2705
<b>HSV</b>					
<b>Calais</b>	88	V8	5.0		2705
<b>Caprice</b>	94-95	V8	5.0	VR	2705
	95-96	V8	5.0	VS	2705
	96-98	V8	5.0	VS II	2705
<b>Clubsport</b>	93-95	V8	5.0	VR	2705
	95-96	V8	5.0	VS	2705
	96-97	V8	5.0	VS II	2705
	97-99	V8	5.0	VT	2705
<b>Commodore</b>	88	V8	5.0	VL	2705
	88-91	V8	5.0	VN	2705
<b>Grange</b>	96-98	V8	5.0	VS II	2705
	96-98	V8	5.7	VS II	2705
	98-99	V8	5.0	VS III	2705
<b>GTS</b>	98-99	V8	5.7	VS III	2705
	92-94	V8	5.0	VP	2705
	94-95	V8	5.7	VR	2705

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<b>GTS (ctd)</b>	95-96	V8	5.7	VS	2705
	96-97	V8	5.7	VS II	2705
	97-00	V8	5.7	VT	2705
<b>Jackaroo</b>	93	V6	3.2		5458
<b>LS</b>	91-92	V8	5.0	VG	2705
	92-93	V8	5.0	VP	2705
<b>Maloo</b>	90-92	V8	5.0	VG	2705
	92-93	V8	5.0	VP	2705
	93-95	V8	5.0	VR	2705
	95-96	V8	5.0	VS	2705
	96-98	V8	5.0	VS II	2705
	98-01	V8	5.0	VS III	2705
	<b>Manta</b>	95-96	V8	5.0	VS
96-97		V8	5.0	VS II	2705
97-99		V8	5.0	VT	2705
<b>Senator</b>	92-93	V8	5.0	VP	2705
	93	V8	5.0	VP II	2705
	93-95	V8	5.0	VR	2705
	94-95	V8	5.7	VR	2705
	95-96	V8	5.0	VS	2705
	95-96	V8	5.7	VS	2705
	96-97	V8	5.0	VS II	2705
	96-97	V8	5.7	VS II	2705
	97-99	V8	5.0	VT	2705
	97-99	V8	5.7	VT	2705
	<b>Sport</b>	91-93	V8	5.0	VP
93		V8	5.0	VP II	2705
<b>Statesman</b>	90-92	V8	5.0	VQ	2705
	92-94	V8	5.0	VQ II	2705
	94-95	V8	5.0	VR	2705
	94-95	V8	5.7	VR	2705
	95-96	V8	5.0	VS	2705
	95-96	V8	5.7	VS	2705
<b>SV Clubsport</b>	90-91	V8	5.0	VN	2705
	91-93	V8	5.0	VP	2705
	93	V8	5.0	VP II	2705
<b>SV91</b>	91-93	V8	5.0	VP	2705
<b>XU8</b>	99	V8	5.0	VT	2705
<b>JAGUAR</b>					
<b>XJ6</b>	69-73	L6	4.2	Series 1	2705
	74-75	L6	4.2	Series 2	2705
	80-86	L6	4.2	Series 3	2765
	87-92	L6	3.6	XJ40	2765
	89-92	L6	4.0	XJ40	2765
	92-94	L6	3.2	XJ40	2765
	92-94	L6	4.0	XJ40	2765
<b>XJS</b>	92-96	L6	4.0		2765
<b>JEEP</b>					
<b>Cherokee</b>	80-85	V8	5.9		2705
	84-85	L6	4.2		2705
	94-01	L6	4.0		2705
	94-01	L6	4.0	Severe duty	2796
<b>CJ 5</b>	68-77	L6	3.8		2705
<b>CJ 6</b>	67-77	L6	3.8		2705
<b>CJ 7</b>	78-80	L6	3.8		2705
<b>Grand Cherokee</b>	91-93	L6	5.2		2774
	96-99	L6	4.0		2737
	96-99	L6	4.0	Maximum cooling	2796
<b>J20</b>	82-85	V8	5.9		2705
<b>Wrangler</b>	96-00	L6	4.0	TJ	2737
	00-07	L6	4.0	TJ	2771

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<b>LAND ROVER</b>					
<b>110</b>	84-91	V8	3.5		2803
	84-91	V8	3.5	EFI	2805
<b>Defender</b>	94-07	L4	2.5	TD	2804
	07-	L4	2.4	TD	2804
<b>Discovery</b>	-94	V8	3.5	EFI Up to VIN LA (11-blade fan)	2805
	94-	V8	3.5	EFI VIN MA (7-blade fan)	2806
	91-93	L4	2.0	Tdi 2000 Discovery	2807
	92-99	L4	2.5	Tdi Discovery I	2804
	93-99	V8	3.9	Discovery I	2806
	94-98	L4	3.0	Tdi Discovery	2808
	99-04	L5	2.5	Tdi Discovery II	2804
	99-04	V8	4.0	Discovery II	2809
	<b>Discovery 3</b>	05-	V8	4.0	
<b>Range Rover</b>	72-86	V8	3.5	EFI/CARB (7-blade fan)	2803
	86-90	V8	3.5	EFI (11-blade fan)	2805
	90-95	V8	3.9	EFI (11-blade fan)	2805
	95-02	V8	4.0	EFI	2806
	95-02	V8	4.6	EFI P38A	2809
	02-05	L6	3.0	Tdi	2808
<b>LEXUS</b>					
<b>LS400</b>	90-00	V8	4.0	1UZFE	2656
<b>LX470</b>	98-07	V8	4.7	2UZFE	2678
<b>MAZDA</b>					
<b>B2000</b>	82-88	L4	2.0		2562
<b>B2200</b>	86-93	L4	2.2	Manual	2562
<b>B2300</b>	94-97	L4	2.3		2557
<b>B2600</b>	87-89	L4	2.6	Carb 4G54	2565
	90-91	L4	2.6	Injected	2652
<b>Bravo</b>	92-94	L4	2.2	Manual	2562
	92-06	L4	2.6	EFI G6	2652
<b>E2000</b>	84-06	L4	2.0	Petrol FE	5468
<b>E2200</b>	81-97	L4	2.2		2562
<b>MPV</b>	99-02	V6	2.5	G6	2652
<b>T2600</b>	85-88	L4	2.6	4G54	2565
<b>MITSUBISHI</b>					
<b>L200</b>	79-82	L4	2.0	MA	5407
	79-86	L4	1.6	MA, MB, MC, MD, 4G32	2654
	79-82	L4	2.0	MA Astron, 4G52	2565
	82-86	L4	2.0	MC, MD Sirius 4G63	2654
<b>L300 Express</b>	82-85	L4	1.8	SB, SC, SD, 4G62	2654
	86-91	L4	2.0	SF, SG, 4G63	2654
	86-94	L4	2.4	SF, SG, SH, SJ, 4G64	2559
<b>Pajero</b>	86-94	L4	2.5	Diesel SF, SG, SH, SJ, 4D56	2654
	83-86	L4	2.3	Diesel NA, NB, NC, 4D55	5301
	83-93	L4	2.6	Astron NA, NB, NC, ND, NE, NF, NG, NH, 4G54	2565
	83-93	L4	2.6	Astron NA, NB, NC, ND, NE, NF, NG, NH	5407
	86-93	L4	2.5	Diesel ND, NE, NF, NG, NH, 4D56	5301
	88-	V6	3.0	NF, NG, NH, NJ, NK inc EFI, 6G72	2654
	93-02	L4	2.8	Diesel NJ, NK, NL, NM inc Turbo, 4M40	5459
	93-02	V6	3.5	EFI NJ, NK, NL, NM, 6G74	2654
<b>Sigma</b>	77-85	L4	2.0	GE, GH, GJ, GK, GN, 4G52	2565
	77-87	L4	1.9 - 2.6	GE, GH, GJ, GK, GN	5407
	81-87	L4	2.6	GE, GH, GJ, GK, GN, 4G54	2565
<b>Sigma Scorpion</b>	78-85	L4	2.0	GE, GH, GJ	5407
	78-85	L4	2.6	GK, GL	5407
	78-79	L4	2.0	GE, 4G52	2565
	79-88	L4	2.6	GH, GJ, GK, GL, 4G54	2565
<b>Starion</b>	82-87	L4	2.0	Turbo 4G52	2565
	82-89	L4	2.6	Turbo 4G54	2565
	83-87	L4	2.6	4G63	2654
<b>Starwagon</b>	82-85	L4	1.8	SB, SC, SD, 4G62	2654

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<b>Starwagon (ctd)</b>	86-03	L4	2.0	SF, SG, SH, SJ, 4G63	2654
	86-03	L4	2.4	SF,SG, SH, SJ, 4G64	2559
	86-	L4	2.5	SF, SG, SH, SJ, 4D56	2654
	94-96	V6	3.0	WA, 6G72	2654
<b>Triton</b>	86-96	L4	2.6	Astron ME, MF, MG, MH, MJ, 4G54	2559
	86-96	L4	2.5	Diesel ME, MF, MG, MH, MJ, 4D56	5301
	89-96	L4	2.6	ME, MF, MG, MH, MJ	5407
	90-06	V6	3.0	MH, MJ, MK inc EFI 6G72	2654
	96-06	L4	2.8	Diesel MK, 4M40	5459
<b>NISSAN</b>					
<b>120Y 200</b>	74-79	L4	1.2	B, KB, VB, A12, with air conditioning	5408
<b>240C, 240K, 240Z, 2400</b>	70-79	L6	2.4	230, 330, L24	5001
<b>280C, 280Z, 280ZX</b>	72-84	L6	2.8	430, S130, L28	5001
<b>300C, 300ZX</b>	83-89	V6	3.0	HZ31, VG30DE, VG30ET	5001
	89-96	V6	3.0	CZ32, GZ32, HZ32, VG30DE, VG30DT	2650
<b>720</b>	80-83	L4	2.2	Diesel C720, CG720, SD22	5253
	83-85	L4	2.2	Z22	5203
	80-85	L4	2.3	Diesel, C720,CG720, SD23	2560
	83-85	L4	2.5	Diesel	5253
<b>Bluebird</b>	85-86	L4	2.0	910, CA20ES, 1974cc	5231
<b>Cabstar</b>	82-87	L4	2.2	H40, Z22	5203
<b>Civilian</b>	91-99	L6	4.2		5205
<b>Gazelle</b>	84-89	L4	2.0	S12, CA20ES	5231
<b>Infinity Q45</b>	93-97	V8	4.5	VH45	2664
<b>Navara</b>	86-91	L4	2.1	D21, Z21, with air conditioning	5203
	86-97	L4	2.0	D21,Z20, with air conditioning	5203
	86-94	L4	2.4	D21, Z24	5001
	86-93	L4	2.5	Deisel D21, SD25	2560
	92-97	V6	3.0	D22,VG30E	2650
	97-	V6	3.0	VG30E	5231
	00-05	V6	3.0	VG30	5231
	04-05	V6	3.3	D22, VG33E	2664
	<b>Nomad</b>	86-92	L4	2.4	C22, Z24
<b>Pathfinder</b>	86-92	L4	2.4	NY21, Z24	5001
	92-95	V6	3.0	VG30	2650
	95-05	V6	3.3	VG33E	2664
<b>Patrol</b>	81-88	L6	2.8	MQ160 L28	5001
	88-97	L6	4.2	GQ TB42S 10/87-10/91	5038
	88-97	L6	4.2	GQ TB42S 10/91-02/94	5072
	88-97	L6	4.2	GQ TB42E EFI	5073
	88-06	L6	4.2	Diesel TD42 10/87-10/91 VRGY60	5205
	88-06	L6	4.2	Diesel TD42 10/87-10/91 VRY60	5205
	88-06	L6	4.2	Diesel TD42 09/88-08/93 Auto VRY60	5205
	88-06	L6	4.2	Diesel TD42 10/91-08/93 Man VRGY60	5001
	88-06	L6	4.2	Diesel TD42 10/91-08/93 VRY60	5001
	88-06	L6	4.2	Diesel TD42 08/93-97 GQ VRGY60	5205
	90-97	L6	3.0	Diesel GQ RB30S	5001
	95-00	L4	2.8	Turbo Diesel GQ RD28T	5053
	97-06	L6	4.2	Diesel GU TD42	5205
	97-01	L6	4.5	Petrol GU TB45E	5073
	<b>Pintara</b>	86-92	L4	2.0	R31, U12, CA20ES
<b>Skyline</b>	80-86	L6	2.4		5001
	86-90	L6	3.0	GM fan blade only	5001
	89-93	L6	2.0	R32 GTS RB20D/DT/DE	5265
	89-93	L6	2.5	R32 GTS RB25DE	5265
	93-94	L6	2.0	R33 GTS RB20DE	5265
	93-94	L6	2.5	R33 GTS RB25DE	5265
	98-	L6	2.5	K34 GTS RB25DET	5265
	<b>Stanza</b>	77-80	L4	1.4	A10, A14
<b>Sunny</b>	80-81	L4	1.4	B310, A15	5408
<b>Utility</b>	88-91	L6	4.1	Ford XFN	2712
<b>Urvan</b>	81-86	L4	2.0	E23, Z20 08/80-08/83	5408

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	81-86	L4	2.0	E23, Z20 04/83-01/85	5203
	81-86	L4	2.0	E23, Z20 01/85-09/86	5001
	82	L4	2.2	Diesel E22, SD22	5203
	83-86	L4	2.3	Diesel E23, SD23	5203
	86-93	L4	2.4	E24, Z24	5247
<b>Vanette</b>	81-86	L4	1.4	C20, A14	5408
	83-86	L4	1.5	C20, A15	5408
	86-93	L4	2.4	C22, Z24 06/86-10/87	5001
	86-93	L4	2.0	C22, Z20	5247
	87-93	L4	2.4	C22, Z24 10/87-04/93	5247
<b>PONTIAC</b>					
<b>Firebird</b>	69-78	V8	6.6 (400)		2705
	70-78	V8	5.7 (350)		2705
	70-76	V8	7.5 (455)		2747
	79-85	V8	5 (305)		2705
	79-81	V8	6.6 (403)		2705
<b>RANGE ROVER (see Land Rover)</b>					
<b>ROVER</b>					
<b>Rover</b>	80-84	V8	3.5		2803
<b>SUZUKI</b>					
<b>Grand Vitarra</b>	98-05	V6	2.5		2680
<b>Sierra</b>	84-98	L4	1.3		2583
<b>Vitarra</b>	88-98	L4	1.6		2583
	99-03	L4	2.0		2680
	04-	V6	2.5		2680
<b>TOYOTA</b>					
<b>4 Runner</b>	84-89	L4	2.0	YN60, YN63, 3YC	5103
	84-89	L4	2.4	Diesel LN60, LN61, 2L	5101
	84-90	L4	2.2	YN60, YN63, 4Y	5103
	89-96	L4	2.4	YN63, RN130, 22R with air conditioning	5106
	89-96	L4	2.8	Diesel LN61, LN130, 3L	5124
	90-96	V6	3.0	VZN130, 3VZ-E	2657
<b>Blizzard</b>	82-83	L4	2.2	Diesel LD10, L	5101
	84-87	L4	2.4	Diesel LD20, LD21, 2L 05/84-08/87	5101
	87-92	L4	2.4	Diesel LD20, LD21, 2L 09/87-02/92	5101
<b>Bundera</b>	85-89	L4	2.4	RJ70, 22R no air conditioning	5106
	85-89	L4	2.8	RJ70, 3L	5124
	85-	L4	2.4	RJ70, 22R with air conditioning	5106
<b>Celica</b>	71-76	L4	1.6		2554
	76-85	L4	2.0	RA60, non-A/C 21RC	5106
	76-85	L4	2.0	RA63, 18R	5103
	76-85	L4	2.0	RA65, with A/C 22RE	5106
	79-85	L4	2.4	22R	2554
	84-85	L4	2.4		2554
<b>Coaster</b>	78-80	L4	2.0	RB11, 18R	5103
	78-96	L4	2.2	RU11, RU13 non-A/C 20R	5106
	78-96	L4	2.4	RB20, 22R	5106
	80-93	L6	3.4	Diesel BB10, BB20, BB21, 3B	5105
	82-84	L6	3.4	V47, V48, V50 with air conditioning, 3B	5105
	84-90	L6	4.0	Diesel HB30, HB36V, 2H	5499
	96-	L6	4.2	Diesel 1HZ	5499
<b>Corolla</b>	79	L4	1.6	2TC	2556
	80-82	L4	1.8	3TC	2556
	83-85	L4	1.6	AE71, 4AC	2556
	83-87	L4	1.6	Twin Cam GTS, 4AGEC	2556
<b>Corona</b>	74-81	L4	2.0	RT104, RT118, RT132, 18R	5103
	76-82	L4	2.2	20R	2554
	81-87	L4	2.0	RT133, no air conditioning 21R	5106
	81-87	L4	2.4	RT142, no air conditioning 22RE-C	5106
<b>Corona Avanti</b>	84-87	L4	2.4	RT142, no air conditioning	5106
<b>Cressida</b>	77-81	L6	2.6	4M, 4ME	2653
	80-85	L6	2.8	MX62, 5M, 5M-E	2653

## FAN CLUTCHES - MODEL SELECTION GUIDE

Should a vehicle not appear in this Model Selection Guide, the critical measurements are B, C, D and F (see diagrams, page 42).

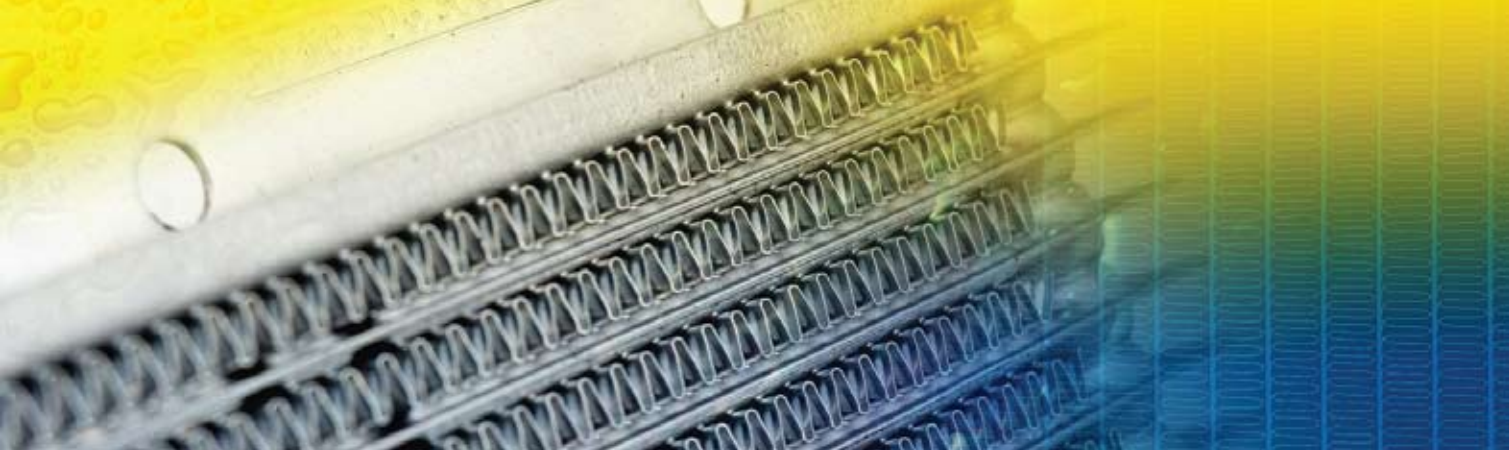
CAR MODEL	YEAR	ENGINE TYPE	ENGINE CAPACITY	APPLICATION DESCRIPTION	DAVIES, CRAIG PART #
<b>Crown</b>	85-88	L6	2.8	MX73, 5M-GEU	2653
	88-93	L6	3.0	7M-GEU	2653
	72-85	L6	2.6	MS112, MS123, 4M, 5M, 5ME	2653
	81-87	L6	2.8	MS123, 5M-GEU	2653
<b>Delta</b>	82-84	L6	3.4	V47, V48, V50, with air conditioning 3B	5105
<b>Dyna</b>	84-	L4	1.8	YH60, YH81, 2Y	5103
	84-	L4	2.0	YU62, YU80, 3Y	5103
	84-	L4	2.2	YH81, 4Y	5103
	85-	L6	3.0	Diesel BU60, BU61, BU77, BU81, 11B	5105
	85-	L6	3.4	Diesel BU62, BU64, BU77, BU82, BU85, BU86, 13B	5105
	85-	L6	3.4	Turbo Diesel BU90, BU95, 13B	5105
	85-	L6	3.4	BU93, BU98, 13B	5105
	85-	L6	3.7	Diesel BU88, BU91, 14B	5105
	86-	L4	2.4	Diesel LY60, LY61, LH80, 2L	5101
	88-95	L4	2.8	Diesel LY51, LY61, 3L	5124
	99-	L4	3.0	Diesel 5L	5124
<b>Hiace</b>	77-86	L4	2.0	RH22, RH32, RH42, 18R	5103
	81-89	L4	2.2	Diesel LH11, LH20, LH30, LH50, LH51, LH60, LH70, L	5101
	83-86	L4	1.8	YH50, YH51, 2YC	5103
	83-86	L4	2.0	YH53, YH61, 3YC	5103
	84-89	L4	2.4	Diesel LH60, LH61, LH70, LH71, 2L	5101
	86-89	L4	2.2	YH63, YH71, YH73, 4Y	5103
	89-05	L4	2.4	LH113R, Carb/EFI, 2RZ, 2RZ-E	5107
	89-00	L4	2.8	Diesel LH113R, 3L	5124
	00-	L4	3.0	Diesel LH113R, 5L	5124
<b>Hiace SBV</b>	95-03	L4	2.4		5107
<b>Hilux</b>	71-89	L4	1.6	RN33, RN35, RN43, RN45, 12R	5103
	79-88	L4	2.0	RN31, RN36, RN39, 18R	5103
	80-84	L4	2.2	Diesel LN30, LN36, LN40, LN46, L	5105
	80-85	L4	2.2	Diesel LN50, LN55, LN65, L	5101
	83-88	L4	1.6	YN55, YN56, 1YC	5103
	83-	L4	2.0	YN56, YN60, YN65, YN81, YN86, YN100, YN105, YN107, YN130G, 3Y	5103
	84-91	L4	2.4	Diesel LN41, LN51, LN56, LN60, LN61, LN65, 2L	5101
	84-94	L4	2.4	Diesel LN80, LN85, LN130, 2L	5124
	87-97	L4	1.8	YN51, YN56, YN57, YN58, YN80, RN85, 2Y	5103
	87-88	L4	2.2	YN65, YN67, YN85, 4Y	5103
	88-97	L4	2.4	RN85, RN90, RN105, RN110, w/- A/C 22R	2554
	88-97	L4	2.8	Diesel LN81, LN86, LN100, LN106, LN111, LN107, LN109, LN131V, 3L	5124
	97-02	L4	2.0	RZN EFI, 1RZ	5107
	97-08	L4	2.7	RZN149/169, 3RZ-FE	5410
	97-08	L4	3.0	Diesel 5L	5124
	01-05	L4	3.0	Diesel 5L, KZN165, 1KZTE	5412
<b>Hilux 4 Runner (see 4 Runner)</b>					
<b>Landcruiser</b>	74-81	L6	3.6	40 Series	2657
	75-85	L6	4.2	40 & 60 Series 2F	2657
	80	L6	3.6	Diesel 40 Series H	5014
	80-90	L4	3.4	Diesel 60 & 70 Series, 3B, 13BT T/D Auto	5014
	81-90	L6	3.4	Diesel 40 & 70 Series 3B, 13BT T/D Man	5102
	81-90	L6	4.0	Diesel 60 & 70 Series 2H, 12HT	5014
	82-90	L4	3.4	Diesel 70 Series 3B Ex T/D Auto	5102
	84-98	L6	4.0	60, 70 & 80 Series 3F, 3FE EFI	2657
	85-90	L4	2.4		5106
	85-96	L4	2.4	Turbo Diesel 70 Series 2LT	5101
	90-07	L6	4.2	Diesel	5499
	90-94	L5	3.5	Diesel 70 Series 1PZ	5499
	92-	L6	4.2	Diesel 70, 80 & 100 Series 1HZ, 1HDT	5499
	92-07	L6	4.5	70, 80 & 100 Series 1FZFE EFI	2661
	98-05	V8	4.7		2678
<b>Landcruiser Prado</b>	96-04	L4	2.7		5410
	96-03	V6	3.4		5411

## FAN CLUTCHES - MODEL SELECTION GUIDE

Should a vehicle not appear in this Model Selection Guide, the critical measurements are B, C, D and F (see diagrams, page 42).

CAR MODEL	YEAR	ENGINE TYPE	ENGINE CAPACITY	APPLICATION DESCRIPTION	DAVIES, CRAIG PART #
	00-	L4	3.0	Diesel	5412
<b>Liteace</b>	82-92	L4	1.8	Diesel CM41, CM51, CM55, CM60, 1C	5104
	84-	L4	1.8	CM20, CM25, YM35, YM21, YM40, YR21, YR30, 2YC	5103
	85-	L4	1.5	KM27, KM30, KM31, KM36, KM51, YM21, YM30, YM31, YM65, YR25, 5K	5106
<b>Liteace (ctd)</b>	85-	L4	2.0	CM30, CM35, CM36, CM50, 3Y	5103 or 2559
	85-93	L4	2.0	Diesel CM30, CM31, CM40, CM52, CM61, CM65, CR21, CR27, CR28, CR30, CR37, 2C	5104
<b>Prado (see Landcruiser Prado)</b>					
<b>Spacia</b>	93-96	L4	2.2	YR22, 4Y-EC	5103
<b>Sprinter</b>	83-85	L4	1.6	AE86	2556
<b>Supra</b>	79-81	L6	2.6	4ME	2653
	80-86	L6	2.8	5ME, 5M-GEU	2653
	86-93	L6	3.0	7M-GEU inc. Turbo	2653
<b>Stout</b>	79-83	L4	2.2	YK110, 4Y	5103
<b>T-18</b>	79-83	L4	1.8	TE72, 3TC	5231
<b>Tarago</b>	83-89	L4	1.8	YR20, YR21, 2Y	5103 or 2559
	83-90	L4	2.0	YR22, YR31, 3Y	5103 or 2559
	83-96	L4	2.0	Diesel CR21, 2C	5104
	85-90	L4	2.2	YR22, YR31, 4Y	5103
	90-00	L4	2.4	AC22, AC23, 2TZ-FE EFI	2655
<b>Townace</b>	83-97	L4	2.0	YR21, YR30, 3Y	5103 or 2559
	96-03	L4	1.8	KR42(SBV), 7K-E EFI	5106
<b>Toyo-Ace</b>	82-83	L4	2.2	Diesel LY30, L	5101
	83-85	L4	2.4	Diesel LY31, 2L	5101
<b>VOLVO</b>					
<b>240 Series</b>	75	L4	2.0	B20F	2558
	75-85	L4	2.1	B21F, B21FT Turbo	2558
	81-88	L4	2.4	Diesel D24	2558
	81-93	L4	2.3	B23E, B23F, B230F	2558
<b>260 Series</b>	75-80	V6	2.7	B27F	2558
	80-81	L4	2.1	B21F	2558
	80-85	V6	2.8	B28F	2558
	81-82	L4	2.4	Diesel D24	2558
<b>740 Series</b>	85-92	L4	2.3	B230F, B230FT, B234F,	2558
	86	L4	2.4	Diesel D24T	2558
<b>760 Series</b>	83-86	L4	2.4	Diesel D24T	2558
	83-90	V6	2.8	B28F,	2558
	84-85	L4	2.3	B23FTI, B230F, B230FT Turbo	2558
	87-90	V6	2.8	B280F	2659
<b>780 Series</b>	86-91	L4	2.3	B230FT Turbo	2558
	86-91	V6	2.8	B280F	2659
<b>940 Series</b>	90-96	L4	2.3	B230FT Turbo	2558
	90-96	V6	2.8	B280F	2659





## Transmission Oil Coolers

Because of the tremendous heat generated in an automatic transmission, an auxiliary transmission oil cooler is an economical way to help protect against costly transmission repairs.

Automatic transmission fluid (ATF) cools, lubricates and cleans internal transmission components. When transmission temperatures exceed 93°C (200°F), the ability of ATF to perform is greatly diminished.

Subsequently, the life span of the fluid, seals and moving parts are significantly reduced. Higher internal temperatures also increase the wear rate of the friction and clutch plates.

Davies, Craig transmission oil coolers can reduce the ATF's temperature by as much as 33°C (60°F). A reduction of just 11°C (20°F) can double the life of an automatic transmission, the fluid and all internal parts.

Excessive transmission heat is caused by the following driving conditions:

- *Towing*
- *Climbing*
- *Stop-and-go traffic*
- *Carrying loads*
- *Hot driving conditions*
- *Driving in sand or snow*

### Two types of Transmission Oil Coolers

ULTRA-COOL® tube and fin style



HYDRA-COOL® plate and fin style

The Hydra-Cool transmission oil cooler is an effective and economical way to keep the transmission at its optimum operating temperature. High-efficiency turbulators in each tube direct the fluid for superior heat transfer.

Hydra-Cool's unique plate and fin design allows for effective cooling, yet requires 33% less space. The Hydra-Cool's compact design is perfect for applications where available mounting space is limited.

All Davies, Craig transmission oil coolers are 100% pressure tested to ensure the reliability and durability of the product. Both Ultra-Cool and Hydra-Cool come complete with the necessary accessories and instructions for quick and easy installation.

\* All coolers come complete with a mounting kit, flexible hose and hose clamps.

# Transmission Oil Coolers

**Ultra-Cool®**

The industry's first transmission cooler, the Ultra-Cool oil transmission cooler is available in three sizes to suit a wide range of applications from small sedans to light commercial vehicles.



## Ultra-Cool® Transmission Oil Coolers

Note: Ultra-Cool Transmission Coolers are only recommended for vehicles manufactured prior to 1990

### Features

- Ultrasonically soldered for reliability
- 100% pressure tested at 150psi for quality assurance
- High-efficiency turbulators in every tube for maximum heat dissipation
- 3/8" push-on fittings for quick and easy installation.

### All kits contain

Part #	Description	Qty
	Cooler core	1
	3/8" hose	1
	Hose clamps	4
	Detailed fitting instructions	1
0579	Quick Fit Kit – nylon ties x 4	1

### Specifications

PART #	THICKNESS	OVERALL		CORE		FITTING SIZE	HEAT TRANSFER RATE (BTU/HR)
		LENGTH	WIDTH	LENGTH	WIDTH		
401	20	319	127	224	127	3/8" push on	9,000
403	20	316	191	224	191	3/8" push on	10,800
404	20	403	191	310	191	3/8" push on	12,000

Refer page 61 for model selection guide.

## Accessories

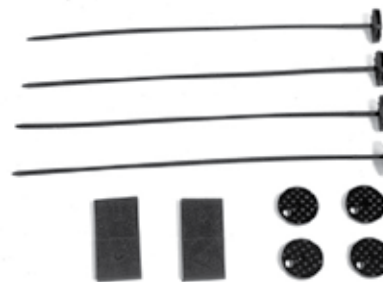
### Quick Fit Kit

When replacing a Transmission Oil Cooler or Power Steering Cooler, you will need to fit new nylon ties.

Use only the Davies, Craig "Quick Fit Kit" - Part #0579

### Contents

Part #	Description	Qty
0579	Quick Fit Kit – nylon ties x4	1



Part #0579 - Quick Fit Kit

Lightweight and compact, Hydra-Cool® transmission oil cooler's unique dimpled universal plate and fin design are rigidly constructed in full alloy which offers high heat transfer and corrosion resistance. The patented dimple plates re-direct oil flow and, in conjunction with the louvered fin design, provide highly efficient cooling with low pressure drop.



## Hydra-Cool® Transmission Oil Coolers – Universal

Note: Hydra-Cool Transmission Coolers are suitable for all vehicles

### Features

- 100% pressure tested at 150psi for quality assurance
- 33% more efficient than a comparable tube and fin design
- Pre-drilled mounting plates for easy installation
- Six sizes available to fit a wider range of applications
- Internal turbulence for efficient heat transfer
- 3/8" or 5/16" push-on fittings for quick and easy installation.

### All kits contain

Part #	Description	Qty
	Cooler core	1
676 - 679	3/8" hose	1
686	5/16" hose	1
	Hose clamps	as req'd
	Detailed fitting instructions	1
0579	Quick Fit Kit – nylon ties x 4	1

### Specifications

PART #	THICKNESS	OVERALL		CORE		FITTING SIZE	CORE PART #	# of PLATES	HEAT TRANSFER RATE (BTU/HR)
		LENGTH	WIDTH	LENGTH	WIDTH				
676	20	281	141	281	112	3/8" push on	0856	12	11,987
677	20	281	180	281	152	3/8" push on	0859	17	13,394
678	20	281	213	281	184	3/8" push on	0853	21	13,934
679 / 691	20	281	300	281	265	3/8" push on	0854	30	15,710
686	20	281	180	281	152	Universal 5/16"	0859	17	13,394

Refer page 61 for model selection guide.

## Hydra-Cool® Transmission Oil Coolers – for Specific Vehicles

• EA-ED Falcon • VN-VS Commodore

### Features

- 100% pressure tested at 150psi for quality assurance
- 33% more efficient than a comparable tube and fin design
- Pre-drilled mounting plates for easy installation
- Two sizes available to fit a wider range of applications
- Internal turbulence for efficient heat transfer
- 3/8" or 5/16" push-on fittings for quick and easy installation.

### All kits contain

Part #	Description	Qty
	Cooler core	1
680	3/8" hose	1
686 *	5/16" hose	1
all	Mounting brackets set to suit vehicle	1
	Hose clamps	4
	Detailed fitting instructions	1
	Mounting: assorted hardware bag	1

### Specifications

PART #	THICKNESS	OVERALL		CORE		FITTING SIZE	CORE PART #	# of PLATES	HEAT TRANSFER RATE (BTU/HR)
		LENGTH	WIDTH	LENGTH	WIDTH				
680 *	20	280	181	280	151	Ford EA-ED 3/8"	0857	17	11,000
686 **	20	281	180	281	152	Commodore VN-VS 5/16"	0859	17	13,394

\* replaced by 677 (6cyl engines) or 678 (8cyl engines) \*\* Replaces part # 685

# Transmission Oil Coolers

Part #691

The heavy duty 30-Plate Hydra-Cool® and DCSLX 10" Slimline Thermatic Fan Combo Kit offers increased transmission cooling and greater air flow control as the reverse polarity DCSLX 10" fan can be secured to operate in either 'push' or 'pull' mode.

## Hydra-Cool® 30-plate Transmission Oil Cooler/Fan Combo Kit

**Note:** Hydra-Cool Transmission Coolers are suitable for all vehicles

### Features

- 100% pressure tested at 150psi for quality assurance
- 33% more efficient than a comparable tube and fin design
- Pre-drilled mounting plates for easy installation
- Internal turbulence for efficient heat transfer
- 3/8" push-on fittings for quick and easy installation.

See below for transmission oil cooler specifications, and page 23 for 10" Slimline 12 volt fan specifications (part # 0047). Refer opposite page for model selection guide.

When replacing a Transmission Oil Cooler or Power Steering Cooler, you will need to fit new nylon ties. Use only the Davies, Craig "Quick Fit Kit" - Part #0579 (refer "Accessories", page 58).

### Specifications

PART #	THICKNESS	OVERALL		CORE		FITTING SIZE	CORE PART #	# of PLATES	HEAT TRANSFER RATE (BTU/HR)
		LENGTH	WIDTH	LENGTH	WIDTH				
679 / 691	20	281	300	281	265	3/8" push on	0854	30	15,710

Refer opposite page for model selection guide.



### Combo pack contents

Part #	Description	Qty
679	Hydra-Cool® 30-plate transmission oil cooler	1
	3/8" hose	1
	Hose clamps	4
	Detailed fitting instructions	1
0047	DCSLX10 10" Slimline Fan Kit (12V)	1
0579	Quick Fit Kits – nylon ties x4	2

# Transmission Oil Coolers

Part #679

The 30-plate heavy duty Hydra-Cool® transmission oil cooler offers excellent cooling efficiency for Heavy Duty 4WD, V8 and commercial vehicle transmissions. It provides highly efficient cooling with low pressure drop for both race and road applications.

## Hydra-Cool® 30-plate Transmission Oil Cooler

**Note:** Hydra-Cool Transmission Coolers are suitable for all vehicles

### Features

- 100% pressure tested at 150psi for quality assurance
- 33% more efficient than a comparable tube and fin design
- Pre-drilled mounting plates for easy installation
- Internal turbulence for efficient heat transfer
- 3/8" push-on fittings for quick and easy installation.

See above for transmission oil cooler specifications. Refer opposite page for model selection guide. If you wish to add a 24 volt fan, refer to page 23 for 10" Slimline 24 volt fan specifications (part # 0048).

When replacing a Transmission Oil Cooler, you will need to fit new nylon ties. Use only the Davies, Craig "Quick Fit Kit" – Part #0579 (refer "Accessories", page 58).



### Kit contents

Part #	Description	Qty
	Hydra-Cool® 30-plate transmission oil cooler	1
	3/8" hose	1
	Hose clamps	4
	Detailed fitting instructions	1
0579	Quick Fit Kit – nylon ties x 4	1

# Power Steering Oil Cooler

Part #1009

A power steering oil cooler removes destructive heat generated within a power steering system, especially in vehicles with large tyres such as performance vehicles, off-road vehicles and vehicles used for towing or carrying heavy loads.



## Power Steering Oil Cooler

**Note: Power Steering Transmission Coolers are suitable for all vehicles**

Installation of a power steering oil cooler will prolong the life of the system's pump, hoses, and seals. A reduction of just 11°C (20°F) can double the life of power steering, the fluid and all internal parts.

When replacing a Power Steering Cooler, you will need to fit new nylon ties. Use only the Davies, Craig "Quick Fit Kit" – Part #0579 (refer "Accessories", page 58).

## Kit contents

Part #	Description	Qty
	Cooler core	1
	3/8" hose	1
	Hose clamps	4
	Detailed fitting instructions	1
0579	Quick Fit Kit – nylon ties x 4	1

## Specifications

PART #	THICKNESS	OVERALL		CORE		APPLICATION	HEAT TRANSFER RATE (BTU/HR)
		LENGTH	WIDTH	LENGTH	WIDTH		
1009	19	226	64	148	64	Vehicles with 3/8" ID power steering return hose	4,000

## Transmission Oil Coolers – Model Selection Guide

### UNIVERSAL KITS

VEHICLE TYPE	YEAR OF MANUFACTURE	ENGINE CAPACITY	APPLICATION	
			MEDIUM DUTY Part #	HEAVY DUTY Part #
SEDAN/WAGON	Up to 1990*	Up to 2.0L	401	403
		2.0L - 4.0L	403	404
		4.0L & over	404	676 or 677
COMMERCIAL	Up to 1990*	Up to 2.0L	401	403
		2.0L - 4.0L	404	676 or 677
		4.0L & over	678 or 679 or 691	678 or 679 or 691
SEDAN/WAGON	1990 - Present	Up to 2.0L	676	677
		2.0L - 4.0L	677	678 or 679 or 691
		4.0L & over	678 or 679 or 691	678 or 679 or 691
COMMERCIAL	1990 - Present	Up to 2.0L	676	677 or 678
		2.0L - 4.0L	677	678 or 679 or 691
		4.0L & over	678 or 679 or 691	678 or 679 or 691
V8s & 4WDs	1990 - Present	Up to 2.0L	676	677
		2.0L - 4.0L	678 or 679 or 691	678 or 679 or 691
		4.0L & over	678 or 679 or 691	678 or 679 or 691

\* Note: Hydra-Cool Transmission Coolers are suitable for all vehicles

Ultra-Cool Transmission Coolers are only recommended for vehicles manufactured prior to 1990

### SPECIFIC VEHICLE KITS

VEHICLE TYPE	APPLICATION
VEHICLE TYPE	PART #
FORD EA-ED (all models) 6-cylinder & V8	680 *
COMMODORE VN-VS (all models) 6-cylinder & V8	686 **

### POWER STEERING COOLER

VEHICLE TYPE	APPLICATION
VEHICLE TYPE	PART #
All vehicles	1009

\* Replaced by #677 (6cyl engines) or #678 (8cyl engines) \*\* Replaces #685

Questions? Please see "frequently-asked questions" on our website: [www.daviescraig.com.au](http://www.daviescraig.com.au)

# Tyre Pressure Monitoring System

**TPMS**

Suitable for cars, 4WDs, single- or multi-axle trailers, motor homes, caravans, trucks, buses, 5th wheelers, motorbikes



## TYREGUARD 400 TPMS

The Davies, Craig TYREGUARD 400 TPMS (Tyre Pressure Monitoring System) is a unique electronic safety system for monitoring air pressure and temperature in tyres.

It consists of simple easy-to-install, screw-on wireless sensors and a hand-held monitor. Fixed to the tyre valve, each sensor monitors the air pressure and temperature inside the tyre, and then transmits the air pressure and temperature information to the monitor.

This information is then graphically illustrated on the monitor screen and the operator can scroll through the data for each individual tyre.

The driver or passenger can read the specific data of each tyre's air pressure and temperature parameters displayed on the screen. An audible alarm will sound and the red LED light will flash should the tyre pressure and/or temperature vary markedly from each tyre's targeted air and temperature settings.

The TPMS will monitor the air pressure and temperature of up to 22 tyres with a pressure range of 0 to 1,000 kPa (145psi) and sensors within 7.6 meters (25 feet) of the device.

Part #	Description
1015	Tyreguard 400 TPMS Kit (inc. monitor, 4 sensors, batteries & anti-theft locking devices, mounting bracket, cradle and 12/24V DC charger)
1012	Monitor – Tyreguard 400
1013	Charger – Tyreguard 400

## Tyre Pressure Monitor Sensors [wireless]

Extra wireless sensors are available in a twin pack for use with the TPMS Kit, #1015. The extra sensors can be fitted retrospectively to tyre valves to allow the monitoring of tyre pressures and temperatures on multi-wheeled tandem and bogey axle trailers, caravans, 5th wheelers, motor homes etc.



The TPMS #1015 will monitor up to 22 tyres with a pressure range of 0 to 1,000 kPa (145psi) and sensors within 7.6 metre (25 feet) range of the hand-held monitor. Simply fit each sensor to a tyre valve, then re-program the monitor. Each sensor is supplied with a 3-volt CR1632 lithium battery and anti-theft sensor locking device.

## Sensor Booster

A Sensor Booster unit may be required if your vehicle has a wheelbase in excess of eight metres (26.25 feet). The Sensor Booster is mounted at the rear of the tow vehicle to relay the sensor signals from rear/trailer wheels.

There's no need to fit a second Booster should the vehicle's rear wheels exceed 16 metres (52.5 feet) as the Booster's transmitting radius is around 18 metres (59 feet).

Part #	Description
1020	Tyre Pressure Monitor Sensor Booster

Part #	Description
1016	Tyre Pressure Monitor wireless sensors (2-pack)

## INTERNATIONAL DISTRIBUTORS

### FRANCE

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Avenue de Dublin  
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F: +044 541 3036  
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W: www.nicole.racing.jp

### MIDDLE EAST

#### GULFSPORT RACING

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Dubai UAE  
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W: www.gulf-sport.com

### NEW ZEALAND

#### BNT AUTOMOTIVE

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#### CAPITAL INSTRUMENTS

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F: +64 9 589 1579  
E: iwaters@capital  
instruments.co.nz  
W: www.capitalinstruments.co.nz

#### PERFORMANCE PARTS

7 Tironui Road,  
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E: sales@v8parts.co.nz

### NEW ZEALAND (cont'd)

#### REPCO

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Mt Wellington, Auckland NZ  
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F: +64 9 573 0961  
E: webenquiries@repco.co.nz  
W: www.repco.co.nz

#### SEGEDINS AUTO PARTS

381-385 Dominion Road,  
Mt Eden, Auckland NZ  
T: +64 9 638 6439  
F: +64 9 630 0736  
E: parts@segedins.com  
W: www.segedins.com

### SOUTH AFRICA

#### UNIVERSAL COOLERS

65 Erasmus Avenue  
Raslouw 0149 South Africa  
(PO Box 553 Roslouw 0109  
South Africa)  
T: +27 0 12 666 8725  
F: +27 0 12 666 8729  
E: hendrik@hot4cold.co.za  
W: www.hot4cold.co.za

### SWEDEN

#### DALHEMS BILDELAR

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F: +46 0 3462 0373  
E: bildelar@dalhems.com  
W: www.dalhems.com

#### TS MOTORSPORT

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T: +46 0 4225 5505  
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E: info@tsmotor.com  
W: www.tsmotor.com

### UNITED KINGDOM

#### DEMON TWEEDS DIRECT

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Wrexham Industrial Centre,  
Wrexham LL 13 9UG UK  
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F: +44 01978 664 467  
E: sales@demon-tweeds.co.uk  
W: www.demon-tweeds.co.uk

#### MAW SOLUTIONS

Five Oaks, Sandy Lane, Henfield  
West Sussex BN5 9UX UK  
T: +44 01273 493 343  
F: +44 01273 495 074  
E: info@mawsolutions.com  
W: www.mawsolutions.com

#### THINK AUTOMOTIVE

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Middlesex TW7 6EL UK  
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F: +44 02088 475 338  
E: info@thinkauto.com  
W: www.thinkauto.com

### UNITED STATES

#### HOERR RACING PRODUCTS

4802 Competition Lane  
Peoria IL 61615 USA  
T: +1 309 691 8789  
F: +1 309 691 8796  
E: info@hrpworld.com  
W: www.hrpworld.com

#### TURN 14 DISTRIBUTION

209 Commerce Drive  
Montgomeryville PA 18936 USA  
T: +1 267 468 0350  
F: +1 267 468 0363  
E: general@turn14.com  
W: www.turn14.com

For information on Australian distributors, please visit [www.daviescraig.com.au](http://www.daviescraig.com.au)

## WARRANTY STATEMENTS

### THERMATIC® FANS & THERMAL SWITCHES

We hereby guarantee that for a period of two years or 1,500 hours (whichever is the lesser) from the date of purchase we shall carry out free of cost any repairs that are reasonably necessary to correct any fault in the operation of your Thermatic® fan provided that such a fault is directly attributable to a defect in the workmanship or the materials used in the manufacture of the Thermatic® fan. Labour and consequential costs excluded.

"DAVIES, CRAIG PTY LTD"

### FAN CLUTCHES / TRANSMISSION OIL COOLERS

We hereby guarantee that for a period of two years or 40,000km (whichever is the lesser) from the date of purchase we shall carry out free of cost any repairs/replacements to the fan clutch/transmission oil cooler provided that such a fault is directly attributable to a defect in the workmanship or materials used in the manufacture of the fan clutch/transmission oil cooler. Labour and consequential costs excluded.

"DAVIES, CRAIG PTY LTD"

### ELECTRIC WATER PUMPS/ ELECTRIC BOOSTER PUMPS/ DIGITAL CONTROLLERS

We hereby guarantee that for a period of two years or 40,000km (whichever is the lesser) from the date of purchase we shall carry out free of cost any repairs/replacements to the electric water pump or controller provided that such a fault is directly attributable to a defect in the workmanship or materials used in the manufacture of the electric water pump/electric booster pump/digital controller. Labour and consequential costs excluded.

"DAVIES, CRAIG PTY LTD"

### Designed and manufactured in Australia

#### Patents:

- EU#1133624: EWP
  - France
  - Germany
  - Greece
  - Ireland
  - United Kingdom
  - Italy
  - Netherlands
  - Spain
  - Sweden
- India: EWP
- Patent no. 6425353: Vehicle Engine Coolant Pump - USA
- Design Patent no. D439637: Adaptor Sleeve - USA
- Australian Patent 756456: Vehicle Engine Coolant Pump
- Australian trademark 747610: "Thermatic"
- Australian trademark 783443: "EWP"
- "EBP"

**TYREGUARD 400 TPMS** We hereby guarantee that for a period of one year from the date of purchase we shall carry out free of cost any repairs that are reasonably necessary to correct any fault in the operation of your TPMS provided that such a fault is directly attributable to a defect in the workmanship or the materials used in the manufacture of the TPMS. Labour and consequential costs excluded. "DAVIES, CRAIG PTY LTD"

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For over 40 years Australian-owned DAVIES, CRAIG Pty Ltd has been offering cooling technology products to the automotive and air conditioning business sectors globally. Thematic® Fans, Thermal Switches, Electric Water Pumps, Electric Booster Pumps, Digital Controllers, Fan Clutches and Transmission Oil Coolers along with the excellent after sales service, parts and support have been pivotal to DAVIES, CRAIG'S success.

Customer service has always been our company's highest priority. Our entire team works together to satisfy almost every cooling technology requirement. When you approach DAVIES, CRAIG, your enquiries will be handled promptly, and you'll have a cooling solution in your hands in rapid time.

Our sales and service hotline is at your finger tips during business hours. The DAVIES, CRAIG website, [www.daviescraig.com.au](http://www.daviescraig.com.au), is at your disposal 24 hours a day, seven days a week offering a comprehensive range of product and technical information, product selection guidelines, frequently asked questions and a host of ideas on how to achieve the very best performance from your vehicle's engine with the assistance of DAVIES, CRAIG cooling technology products.

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