

# GRAYSTON®



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MANUFACTURERS OF MOTORSPORT AND PERFORMANCE PARTS





# INDEX

- Page 1** Index.
- Page 2** Foreword, Nuts, Bolts, Studs, Spacers.
- Page 3** Standard wheel shims & Spacers.
- Page 4** Competition, Universal and Off-Road Spacers.
- Page 5** Wheel nuts.
- Page 6** Wheel Nuts continued, Replacement Wheel Studs & Wheel Bolts.
- Page 7** Wheel Bolts continued, Washers.
- Page 8** Washers continued, Conversion Studding & Universal Spacer Extension Studs.
- Page 9** Tuner Type Locking nuts & bolts.
- Page 10** Wheel Braces, Tyre Valve Caps & Alloy Wheel Nuts.
- Page 11** Wheel Locks.
- Page 12** Wheel Lock Fitment Guide.
- Page 13** Wheel Lock Fitment Guide continued.
- Page 14** 4 x 4 Range Wheel Locks, Wheel Lock Technical Specifications.
- Page 15** Quick Release Bonnet Pins, Competition Bonnet Pins Recessed Bonnet Pin Plates, Competition Boot Springs
- Page 16** Competition Steady Bars, Pedal Pads, Bonnet/Boot Lock & Rubber Hooks.
- Page 17** 'T' Pull Cables, Toggle Fasteners & Battery Isolator Switches.
- Page 18** Motor Sport Switches & Starter Panels.
- Page 19** Aircraft Switch Covers, Toggle Switches fitted with aircraft covers & Competition Seat belt Harness Fittings.
- Page 20** Rally Mudflaps, Rally MudFlap Brackets, Panel Fasteners, Carbon Sheet, Kelter/Carbon Sheet, Competition Numbers.
- Page 21** Tank tape, Aluminium Foil Tape, Fuse Boxes, Blow Fuses, Scrutineer Sticker Sheet, Window Safety Film, Exhaust Manifold Wrap, Tie Straps.
- Page 22** Avanti map Lights.
- Page 23** Aerocatch Panel Fasteners.
- Page 24** Trailer Coupling Lock, Tow Ropes, Warning Triangle, Air horn.
- Page 25** Coil Spring Clamps, 'U' Bolts, Comfi-clip, Number Plate Surround, Pen/Pencil Clips.
- Page 26** Auxiliary Lighting Wiring Kit, Tyre Pressure Gauge, Tyre Pen, Steering knob, Led Lights, Alloy Door Handle.
- Page 27** Parts and Accessories for Mini.
- Page 28** Parts and Accessories for Mini.
- Page 29** Coil Spring Assisters Rubber type.
- Page 30** Coil Spring Assisters Spring type.
- Page 31** Terms and Conditions.
- Page 32 on** Price List and Spring Assisters application list

# GRAYSTON®

## INDEX



## GRAYSTON ENGINEERING LIMITED

115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.

TELEPHONE: 020 8974 1122 FAX: 020 8974 2288

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The following pages 3 to 8 show the extensive range of spacers, nuts, bolts, and stud designs GRAYSTON supply, and this range is being continually revised.



▼ **WHEEL BOLTS AND STUDS**  
O/E and after market fitments.



GRAYSTON are one of the largest suppliers of nuts/bolts/studs-studding/spacer kits and spacer shims in the automotive aftermarket. GRAYSTON supply into every type of customer in the automotive industry including original equipment and most major alloy wheel manufacturers.



▲ **WHEEL SPACERS**  
From 3mm to 32mm Thick 3-4-5 Stud patterns



▲ **WHEEL NUTS**  
O/E and after market fitments.

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# GRAYSTON®

## WHEEL SHIMS AND SPACERS

### STANDARD WHEEL SHIMS AND SPACERS

**3mm thick**

3 hole 98mm PCD  
Citroen AX Saxo, Peugeot 106  
*Aluminium pressing*

**Part No. SP10**



**3mm thick**

Uni 4 and 5 hole PCD 95mm to 121mm

**Part No. SP11**

**5mm thick**

Uni 4 and 5 hole PCD 95mm to 121mm

**Part No. SP12**

*Pressure die cast in aluminium made to close tolerances*



**6mm thick**

Uni 4 hole PCD 95mm to 114mm

**Part No. SP13**

**10mm thick**

Uni 4 hole PCD 95mm to 114mm

**Part No. SP17**

**19mm thick**

Uni 4 hole PCD 95mm to 114mm

**Part No. SP18**

**25mm thick**

Uni 4 hole PCD 95mm to 114mm

**Part No. SP19**

*Pressure die cast in aluminium made to close tolerances*



**6mm thick**

Uni 5 hole PCD 95mm to 120mm

**Part No. SP14**

**10mm thick**

Uni 5 hole PCD 95mm to 130mm

**Part No. SP15**

**20mm thick**

Uni 5 hole PCD 95mm to 130mm

**Part No. SP16**

*Pressure die cast in aluminium made to close tolerances*



**5mm thick**

5 and 6 hole 5.5"/139mm PCD,  
4x4 off road vehicles

**Part No. SP16-5**

**10mm thick**

5 and 6 hole 5.5"/139mm PCD,  
4x4 off road vehicles

**Part No. SP16-10**

*Pressure die cast in aluminium made to close tolerances*



### SKIN PACKED IN PAIRS -

**3mm**

98mm PCD - 3 Hole Spacer Shim

**Part No. SP10P**

**3mm**

Universal PCD - 4 & 5 Hole Spacer Shim

**Part No. SP11P**

**5mm**

Universal PCD - 4 & 5 Hole Spacer Shim

**Part No. SP12P**

**6mm**

Universal PCD - 4 Hole Spacer Shim

**Part No. SP13P**

**6mm**

Universal PCD - 5 Hole Spacer Shim

**Part No. SP14P**

**10mm**

Universal PCD - 5 Hole Spacer Plate

**Part No. SP15P**

**20mm**

Universal PCD - 5 Hole Spacer Plate

**Part No. SP16P**

**10mm**

Universal PCD - 4 Hole Spacer Plate

**Part No. SP17P**

**19mm**

Universal PCD - 4 Hole Spacer Plate

**Part No. SP18P**

**25mm**

Universal PCD - 4 Hole Spacer Plate

**Part No. SP19P**



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# GRAYSTON®

## WHEEL SPACERS

### COMPETITION WHEEL SPACER KITS

#### 2 off 10mm (3/8") 4 Hole Spacers – complete with 8 longer studs or bolts

3/8" Unf

studs for Minis, etc.

Part No. SP21

7/16" Unf

studs for Fords - Escort, Cortina I & II, etc.

Part No. SP22

12mm 1.5

studs for Fords - Escort II on, Cortina, Capri, etc.

Part No. SP23

12mm 1.5

studs for Vauxhall/Opel

Part No. SP24

12mm 1.5

bolts for Ford Escort, Fiesta, BMW, Astra, etc.

Part No. SP25

12mm 1.5

bolts for VW Golf, etc.

Part No. SP26



#### 2 off 19mm (3/4") 4 Hole Spacers – complete with 8 longer studs or bolts

3/8" Unf

studs for Minis, etc.

Part No. SP31

7/16" Unf

studs for Fords - Escort, Cortina I & II, etc.

Part No. SP32

12mm 1.5

studs for Fords - Escort II on, Cortina, Capri, etc.

Part No. SP33

12mm 1.5

studs for Vauxhall/Opel

Part No. SP34

12mm 1.5

bolts for Fords inc. Escort and Fiesta - BMW, Astra, etc.

Part No. SP35

12mm 1.5

bolts for VW Golf, etc.

Part No. SP36

14mm 1.5

bolts for Porsche 924

Part No. SP37



#### 2 off 25mm (1") 4 Hole Spacers – complete with 8 longer studs or bolts

3/8" Unf

studs for Minis, etc.

Part No. SP71

7/16" Unf

studs for Fords - Escort, Cortina I & II, etc.

Part No. SP72

12mm 1.5

studs for Fords - Escort II on, Cortina, Capri, etc.

Part No. SP73

12mm 1.5

studs for Vauxhall/Opel

Part No. SP74

### UNIVERSAL WHEEL SPACER KITS

#### 2 off 32mm (1 1/4") 4 Hole Uni Spacers – complete with 8 extension Studs PCD 94mm to 118mm (3.7" to 4.65" )

3/8" unf

3/4" HEX universal extension studs

Part No. SP41

7/16" unf

3/4" HEX universal extension studs

Part No. SP42

12mm 1.5

3/4" HEX universal extension studs

Part No. SP43

12mm 1.25

3/4" HEX universal extension studs

Part No. SP44

14mm 1.5

3/4" HEX universal extension studs

Part No. SP45

1/2" unf

3/4" HEX universal extension studs

Part No. SP47



#### 2 off 32mm (1 1/4") 5 Hole Uni Spacers – complete with 10 extension studs PCD 108mm to 130mm (4.25" to 5.1")

7/16" unf

3/4" HEX universal extension studs

Part No. SP51

12mm 1.5

3/4" HEX universal extension studs

Part No. SP52

12mm 1.25

3/4" HEX universal extension studs

Part No. SP53

14mm 1.5

3/4" HEX universal extension studs

Part No. SP54

1/2" unf

3/4" HEX universal extension studs

Part No. SP55



### 4 x 4 AND OFF ROAD WHEEL SPACER KITS

#### 2 off 32mm (1 1/4") 5 Hole Spacers – complete with 10 extension studs PCD 5.5" (139mm)

12mm 1.5

3/4" HEX universal extension studs

Part No. SP56

12mm 1.25

3/4" HEX universal extension studs

Part No. SP57

1/2" unf

3/4" HEX universal extension studs

Part No. SP58



#### Note:

Spacer die casting for 4x4 and off road spacer kits is a 5/6 hole universal die casting.

#### 2 off 32mm (1 1/4") 6 Hole Spacers – complete with 12 extension studs PCD 5.5" (139mm)

12mm 1.5

3/4" HEX universal extension studs

Part No. SP61

12mm 1.25

3/4" HEX universal extension studs

Part No. SP62

1/2" unf

3/4" HEX universal extension studs

Part No. SP63

12mm 1.5

3/4" HEX x long universal extension studs

Part No. SP65

**ALL THE SPACER KITS ARE PACKED IN BOXES**

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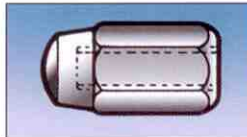
## WHEEL NUTS

# GRAYSTON®

## WHEEL NUTS

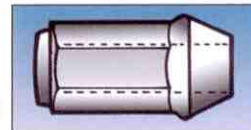
### Dome Nuts – Chrome Plated

3/8" unf	.68" HEX	17mm	60°	No. 5	Part No. SN11
3/8" unf	.68" HEX	17mm	RAD	No. 6	Part No. SN12
7/16" unf	3/4" HEX	19mm	60°	No. 2	Part No. SN13
7/16" unf	3/4" Hex	19mm	Radius	-	Part No. SN13R
12mm 1.5	3/4" HEX	19mm	60°	No. 10	Part No. SN14
12mm 1.25	3/4" HEX	19mm	60°	No. 3	Part No. SN15
1/2" unf	3/4" HEX	19mm	60°	No. 1	Part No. SN16
16mm 1.5	1 1/16" HEX	27mm	80°	-	Part No. SN18



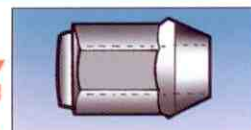
### Bulge Dome Nuts – Chrome Plated

3/8" unf	.68" HEX	17mm	60°	No. 5	Part No. SN11B
3/8" unf	.68" HEX	17mm	RAD	No. 6	Part No. SN12B
7/16" unf	3/4" HEX	19mm	60°	No. 2	Part No. SN13B
12mm 1.5	3/4" HEX	19mm	60°	No. 10	Part No. SN14B
12mm 1.5	13/16" HEX	21mm	60°	-	Part No. SN14B/21
12mm 1.5	3/4" HEX	19mm	RAD	-	Part No. SN14BR
12mm 1.25	3/4" HEX	19mm	60°	No. 3	Part No. SN15B
12mm 1.25	13/16" HEX	21mm	60°	-	Part No. SN15B/21
1/2" unf	3/4" HEX	19mm	60°	No. 1	Part No. SN16B
14mm 1.5	3/4" HEX	19mm	60°	-	Part No. SN17B
14mm 1.5	3/4" HEX	19mm	RAD	-	Part No. SN17BR



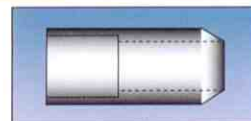
### Bulge Dome Nuts – Zinc Plated

12mm 1.5	19mm HEX	60°	Part No. SN14BZ
12mm 1.5	17mm HEX	60°	Part No. SN14BZ17
12mm 1.5	21mm HEX	60°	Part No. SN14BZ21
12mm 1.25	19mm HEX	60°	Part No. SN15BZ
12mm 1.25	21mm HEX	60°	Part No. SN15BZ21
14mm 2	19mm HEX	60°	Part No. SN175BZ



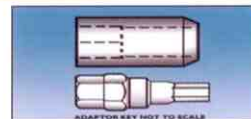
### Round Tuner Nuts – Star Drive Zinc Plated

12mm 1.5	20mm dia star drive	60°	Part No. SNHR82
12mm 1.25	20mm dia star drive	60°	Part No. SNHR84
14mm 1.5	20mm dia star drive	60°	Part No. SNHR88
Adaptor key	star drive 19mm HEX		Part No. SA19



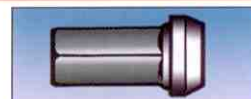
### Round Tuner Nuts - 12mm Internal HEX Chrome Plated

12mm 1.5	Round 19mm dia chrome nut	60°	Part No. SNHR14
12mm 1.25	Round 19mm dia chrome nut	60°	Part No. SNHR15
Adaptor Key	for above - 12mm HEX to 17/19mm HEX		Part No. SA12



### Variable P.C.D. Bulge Nuts

12mm 1.5	19mm HEX	60°	Part No. SNV14
12mm 1.25	19mm HEX	60°	Part No. SNV15



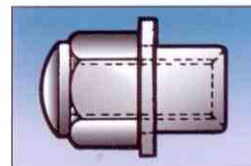
### Peugeot Nuts – Zinc Plated

Open	12mm x 1.25 with captive flat washer	Part No. SN61
Closed	12mm x 1.25 with captive flat washer	Part No. SN62
Open	12mm x 1.5 with captive flat washer	Part No. SN65



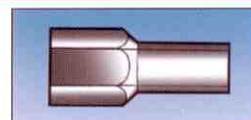
### Sleeve Nuts with flat washers – Chrome plated

3/8" unf	5/8" SLEEVE	3/4" HEX	0.8" long shank No. 6A	Part No. SN21
7/16" unf	5/8" SLEEVE	3/4" HEX	0.8" long shank No. 2B	Part No. SN22
12mm 1.5	5/8" SLEEVE	3/4" HEX	0.8" long shank No. 10GG	Part No. SN23
12mm 1.25	5/8" SLEEVE	3/4" HEX	0.8" long shank No. 3FF	Part No. SN24
7/16" unf	3/4" SLEEVE	7/8" HEX	0.8" long shank No. 2AB	Part No. SN31
12mm 1.5	3/4" SLEEVE	7/8" HEX	0.8" long shank No. 10G	Part No. SN32
12mm 1.25	3/4" SLEEVE	7/8" HEX	0.8" long shank No. 3F	Part No. SN33
1/2" unf	3/4" SLEEVE	7/8" HEX	0.8" long shank No. 1E	Part No. SN34
14mm 1.5	3/4" SLEEVE	7/8" HEX	0.8" long shank	Part No. SN35



### Group 4 Sleeve Nut – Zinc Plated

12mm 1.5	3/4" SLEEVE	21mm HEX	60°	Part No. SN39
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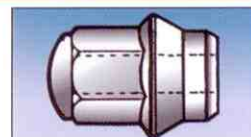
### Revolution and Mamba style sleeve nuts with flat washers

3/8" unf	11/16" shank sleeve nut	Revolution	Part No. SN27
3/8" unf	9/16" shank sleeve nut	Revolution/Mamba	Part No. SN28
7/16" unf	11/16" shank sleeve nut	Revolution	Part No. SN29
12mm 1.5	11/16" shank sleeve nut	Revolution	Part No. SN30



### Original equipment type nuts for alloy wheels

14mm 1.5	Range Rover 02-05, Bright Zinc Finish	Part No. SN37
14mm 1.5	Range Rover 06➤, Range Rover Sport, Discovery 04➤, Stainless Steel Cap	Part No. SN38
3/8" unf	Mini/Metro sleeve nut with captive 60° washer, Stainless Steel Cap	Part No. SN45
12mm 1.5	MG/Rover sleeve nut with captive 60° washer, Stainless Steel Cap	Part No. SN46
1/2" unf	Jaguar sleeve nut with captive flat washer, Stainless Steel Cap	Part No. SN47
16mm 1.5	Range Rover ➤93, Discovery 93-98, Defender 90-110, Stainless Steel Cap	Part No. SN48
14mm 1.5	Range Rover 93-02, Discovery 98-04, Stainless Steel Cap	Part No. SN49
12mm 1.5	MG/Rover, Honda, Radius seating, Stainless Steel Cap	Part No. SN50

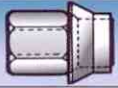


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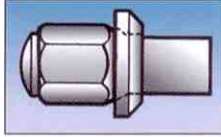
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## WHEEL NUTS, STUDS & BOLTS



### Wolfrace - style sleeve nuts with 30° taper washers



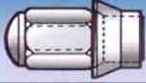
3/8" unf	41/64" shank sleeve nut & washer
1/2" unf	11/16" shank sleeve nut & washer
12mm 1.5	41/64" shank sleeve nut & washer
12mm 1.25	41/64" shank sleeve nut & washer
12mm 1.5	11/16" shank sleeve nut & washer
7/16" unf	11/16" shank sleeve nut & washer
7/16" unf	41/64" shank sleeve nut & washer
14mm 1.5	11/16" shank sleeve nut & washer

Part No. SN51
Part No. SN52
Part No. SN54
Part No. SN55
Part No. SN56
Part No. SN57
Part No. SN58
Part No. SN59

### Ford Ghia open nuts - zinc plated

12mm 1.5 Sleeve nut with 60° Ghia washer

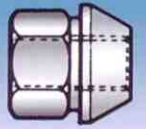
Part No. SN40



### Ford Ghia closed nuts - chrome plated

12mm 1.5 Sleeve nut with 60° Ghia washer

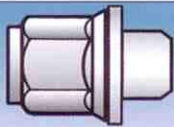
Part No. SN44



### Open nuts - zinc plated

3/8" unf	17mm (.68") HEX	Captive 60° washer
3/8" unf	17mm (.68") HEX	60°
12mm 1.5	19mm (3/4") HEX	60°
12mm 1.5	19mm (3/4") HEX	Radius
12mm 1.5	21mm HEX	60°
12mm 1.25	19mm (3/4") HEX	60°
12mm 1.25	21mm HEX	60°
14mm 1.5	19mm (3/4") HEX	60°
14mm 1.5	19mm (3/4") HEX	Radius
12mm 1.75	19mm (3/4") HEX	60°
1/2" unf	19mm (3/4") HEX	60°

Part No. SN09
Part No. SN10
Part No. SN41
Part No. SN41R
Part No. SN42
Part No. SN43
Part No. SN43/21
Part No. SN434
Part No. SN436
Part No. SN95
Part No. SN97



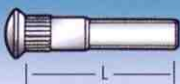
### Mitsubishi and Toyota/Lexus Chrome O/E Sleeve Nuts

12mm 1.5	18.4mm Shank 12mm Long Sleeve Nut and Flat Washer
14mm 1.5	22mm Shank 12mm Long Sleeve Nut and Flat Washer

Part No. SN64
Part No. SN645

## REPLACEMENT WHEEL STUDS High Tensile

Please note: the length of stud is the measurement from under the head to the end of the thread.



### 3/8" unf Mini, Morris Minor, Sprite, Midget

Standard	35mm long	10.3mm spline diameter
Standard plus 15mm	50mm long	10.3mm spline diameter
Standard plus 20mm	55mm long	10.3mm spline diameter
Standard plus 25mm	60mm long	10.3mm spline diameter
Standard plus 45mm	80mm long	10.3mm spline diameter

Part No. SS31
Part No. SS32
Part No. SS32A
Part No. SS33
Part No. SS30

### 7/16" unf Ford

Standard plus 13mm	43mm long	13.1mm spline diameter
Standard plus 25mm	55mm long	13.1mm spline diameter

Part No. SS34
Part No. SS35

### 12mm 1.5 Ford

Standard plus 13mm	47mm long	13.1mm spline diameter
Standard plus 25mm	63mm long	13.1mm spline diameter

Part No. SS36
Part No. SS37

### 12mm 1.5 Vauxhall/Opel, Mitsubishi, Toyota.

(Ford Escort MK2 disc brakes - Not R.S. if you drill hubs 14mm to take larger spline)		
Standard plus 13mm	51mm long	14.3mm spline diameter
Standard plus 25mm	63mm long	14.3mm spline diameter

Part No. SS38
Part No. SS39

### 12mm 1.25 Subaru/Nissan

Standard plus 25mm	63mm long	14.3mm spline diameter
--------------------	-----------	------------------------

Part No. SS41

### 14mm 1.5 VW plus 25mm

14mm 1.5 plus 35mm	70mm long	15.0mm spline diameter
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Part No. SS43
Part No. SS44

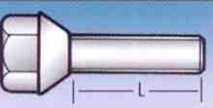
### 12mm 1.5 Volvo

	67mm long	16.5mm spline diameter
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Part No. SS85

## WHEEL BOLTS High tensile - zinc plated

Please note: the length of bolt is the measurement from bottom of seating to the end of the thread.



12mm	1.5	17mm	HEX	Fixed 60°	22mm long
12mm	1.5	17mm	HEX	Fixed RAD	21mm long
12mm	1.5	19mm	HEX	Fixed 60°	26mm long
12mm	1.5	17mm	HEX	Fixed RAD	26mm long
12mm	1.5	17mm	HEX	Fixed 60°	26mm long
12mm	1.5	17mm	HEX	Fixed 60°	28mm long
12mm	1.5	19mm	HEX	Variable 60°	30mm long
12mm	1.5	17mm	HEX	Fixed 60°	32mm long
12mm	1.5	17mm	HEX	Fixed RAD	30mm long
12mm	1.5	17mm	HEX	Fixed 60°	35mm long
12mm	1.5	19mm	HEX	Loose RAD	35mm long
12mm	1.5	19mm	HEX	Loose 60°	35mm long
12mm	1.5	17mm	HEX	Fixed 60°	39mm long
12mm	1.5	17mm	HEX	Fixed 60°	42mm long
12mm	1.5	17mm	HEX	Loose RAD	40mm long
12mm	1.5	17mm	HEX	Fixed RAD	40mm long
12mm	1.5	17mm	HEX	Loose 60°	40mm long
12mm	1.5	17mm	HEX	Fixed 60°	45mm long
12mm	1.5	17mm	HEX	Loose RAD	45mm long

Part No. SB09
Part No. SB09R
Part No. SB10
Part No. SB10R
Part No. SB10/17
Part No. SB11
Part No. SB11V*
Part No. SB12
Part No. SB12R
Part No. SB13
Part No. SB13R
Part No. SB13T
Part No. SB14
Part No. SB14A
Part No. SB14R
Part No. SB14RF
Part No. SB14T
Part No. SB15
Part No. SB15R

\* (Variable P.C.D.108/110mm)

## GRAYSTON ENGINEERING LIMITED

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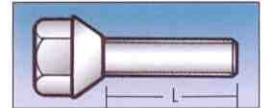
# WHEEL BOLTS - High Tensile/zinc plated - continued

12mm	1.5	17mm	HEX	Loose 60°	45mm long	Part No.SB15T
12mm	1.5	17mm	HEX	Fixed 60°	50mm long	Part No.SB16
12mm	1.5	17mm	HEX	Loose RAD	50mm long	Part No.SB16R
12mm	1.5	17mm	HEX	Loose 60°	50mm long	Part No.SB16T
12mm	1.5	17mm	HEX	Fixed 60°	60mm long	Part No.SB17
12mm	1.25	19mm	HEX	Fixed 60°	24mm long	Part No.SB20
12mm	1.25	19mm	HEX	Fixed 60°	26mm long	Part No.SB20A
12mm	1.25	19mm	HEX	Fixed 60°	28mm long	Part No.SB21
12mm	1.25	19mm	HEX	Variable 60°	30mm long	Part No.SB21V*
12mm	1.25	19mm	HEX	Fixed 60°	32mm long	Part No.SB22
12mm	1.25	19mm	HEX	Fixed 60°	36mm long	Part No.SB22A
12mm	1.25	19mm	HEX	Fixed 60°	40mm long	Part No.SB23
12mm	1.25	17mm	HEX	Loose RAD	40mm long	Part No.SB23R
12mm	1.25	17mm	HEX	Loose 60°	40mm long	Part No.SB23T
12mm	1.25	19mm	HEX	Fixed 60°	45mm long	Part No.SB24
12mm	1.25	17mm	HEX	Loose RAD	45mm long	Part No.SB24R
12mm	1.25	17mm	HEX	Loose 60°	45mm long	Part No.SB24T
12mm	1.25	19mm	HEX	Fixed 60°	50mm long	Part No.SB25
12mm	1.25	17mm	HEX	Loose RAD	50mm long	Part No.SB25R
12mm	1.25	17mm	HEX	Loose 60°	50mm long	Part No.SB25T
12mm	1.25	17mm	HEX	Fixed 60°	60mm long	Part No.SB26
14mm	1.5	17mm	HEX	Fixed 60°	28mm long	Part No.SB34
14mm	1.5	17mm	HEX	Fixed RAD	28mm long	Part No.SB34R
14mm	1.5	19mm	HEX	Loose 60°	33mm long	Part No.SB54
14mm	1.5	17mm	HEX	Fixed 60°	33mm long	Part No.SB54/17
14mm	1.5	19mm	HEX	Loose RAD	35mm long	Part No.SB54R
14mm	1.5	19mm	HEX	Variable 60°	32mm long	Part No.SB54V*
14mm	1.5	17mm	HEX	Fixed RAD	35mm long	Part No.SB54R/17
14mm	1.5	19mm	HEX	Loose 60°	41mm long	Part No.SB55
14mm	1.5	17mm	HEX	Fixed 60°	40mm long	Part No.SB55/17
14mm	1.5	19mm	HEX	Loose RAD	43mm long	Part No.SB55R
14mm	1.5	17mm	HEX	Fixed RAD	45mm long	Part No.SB56R
14mm	1.5	17mm	HEX	Fixed 60°	50mm long	Part No.SB57
14mm	1.5	17mm	HEX	Fixed 60°	60mm long	Part No.SB58
14mm	1.5	17mm	HEX	Fixed RAD	60mm long	Part No.SB58R
14mm	1.5	19mm	HEX	Fixed 60°	70mm long	Part No.SB59
14mm	1.25	17mm	HEX	Fixed 60°	27mm long	Part No.SB60
14mm	1.25	17mm	HEX	Loose 60°	40mm long	Part No.SB62
14mm	1.25	17mm	HEX	Fixed 60°	50mm long	Part No.SB63
12mm	1.75	19mm	HEX	Fixed 60°	28mm long	Part No.SB65

# GRAYSTON®

## WHEEL BOLTS AND WASHERS

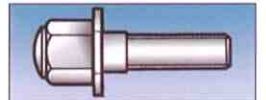
Please note: the length of bolt is the measurement from bottom of seating to the end of the thread.



\* (Variable P.C.D. 98/100mm)

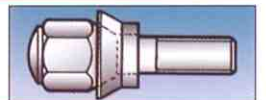
### Peugeot - GTI Wheel Bolts

12mm	1.25	19mm	36mm long with flat washer May 2000 onwards - chrome plated	Part No.SB28
12mm	1.25	19mm	35mm long with flat washer To 2000 - zinc plated	Part No.SB29



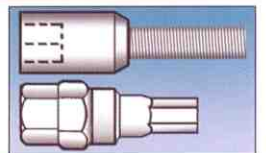
### Ford Ghia Wheel Bolts - Zinc Plated

12mm	1.5 with 60° Ghia washer	19mm HEX	Part No.SB31
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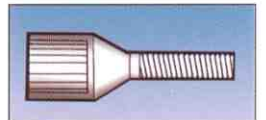
### Round Tuner Bolts - 12mm Internal Hex Chrome Plated

12mm	1.5	60°	28mm long	Round 19mm dia Chrome Bolt	Part No.SBHR11
12mm	1.5	60°	34mm long	Round 19mm dia Chrome Bolt	Part No.SBHR12
12mm	1.25	60°	28mm long	Round 19mm dia Chrome Bolt	Part No.SBHR21
12mm	1.25	60°	34mm long	Round 19mm dia Chrome Bolt	Part No.SBHR22
14mm	1.5	60°	28mm long	Round 19mm dia Chrome Bolt	Part No.SBHR34
Adaptor Key for above 12mm Hex to 17/19mm HEX					Part No.SA12



### Round Tuner Bolts - Star Drive Zinc Plated

12mm	1.5	60°	28mm long	20mm dia	Part No.SBHR53
12mm	1.25	60°	28mm long	20mm dia	Part No.SBHR63
14mm	1.5	60°	28mm long	20mm dia	Part No.SBHR73
Adaptor Key for above Star Drive 19mm HEX					Part No.SA19



## WASHERS zinc plated

### Ford Ghia Washer

Ford Ghia normal to fit SB31 only  
12mm bore flat to ghia 60°

Part No.SW11
Part No.SW11A



### Conversion Collar

5/8" bore	11/16" sleeve (OD)
5/8" bore	3/4" sleeve (OD)

Part No.SW10
Part No.SW12



Flat sleeve washer	3mm thick	5/8" bore
Flat sleeve washer	6mm thick	5/8" bore
Flat sleeve washer	6mm thick	3/4" bore

Part No.SW13
Part No.SW13T
Part No.SW14



Flat to 30° taper sleeve washer	5/8" bore (wolfrace style seating)
Flat to 30° taper sleeve washer	3/4" bore (wolfrace style seating)

Part No.SW15
Part No.SW16



## GRAYSTON ENGINEERING LIMITED

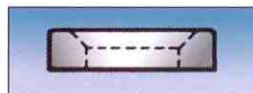
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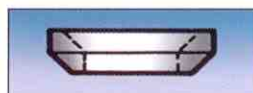
## WHEEL WASHERS AND STUDDING



Taper to flat  
Taper to flat  
Taper to flat  
60° to Flat for Peugeot

5/8" bore  
3/4" bore  
1 1/16" bore  
12mm bore

Part No. SW17  
Part No. SW18  
Part No. SW19  
Part No. SW36



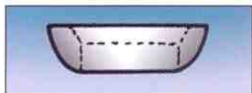
Wolfrace style washer - taper to taper 1 1/16" bore  
Wolfrace style washer - taper to taper 41/64" bore

Part No. SW20  
Part No. SW21



3/4" bore sleeve washer

flat to 60° Ghia **Part No. SW22**



Radius washer 12mm bore  
Radius washer 14mm bore

60° to radius **Part No. SW23**  
60° to radius **Part No. SW24**



Radius washer 12mm bore  
Radius washer 14mm bore

flat to radius **Part No. SW29**  
flat to radius **Part No. SW31**



Escort conversion washer 12mm bore

60° to 60° **Part No. SW25**



Revolution flat washer 9/16" bore  
Revolution flat washer 11/16" bore  
Minilite flat washer 5/8" bore  
Peugeot flat washer 13mm bore

**Part No. SW34**  
**Part No. SW26**  
**Part No. SW27**  
**Part No. SW32**



Cone washer 12mm bore  
Cone washer 13mm bore  
Cone washer 14mm bore  
Cone washer 15mm bore  
Cone washer 16mm bore  
Cone washer 17mm bore

Flat to 60°  
Flat to 60° for variable PCD bolts  
Flat to 60°  
Flat to 60°  
Flat to 60°  
Flat to 60°

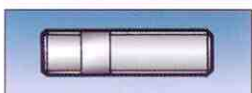
**Part No. SW28**  
**Part No. SW28V**  
**Part No. SW30**  
**Part No. SW30/15**  
**Part No. SW30/16**  
**Part No. SW30/17**



Alloy wheel insert 15mm bore 0/Dia splines 19mm

**Part No. SW50**

## CONVERSION STUDDING - Zinc plated



L

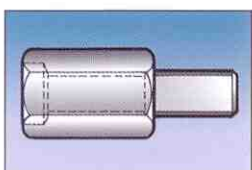
MATERIAL EN8  
HIGH TENSILE

12mm	1.5	40mm long
12mm	1.5	50mm long
12mm	1.5	60mm long
12mm	1.5	80mm long
12mm	1.5 to 1.25	60mm long
12mm	1.5 to 1.25	80mm long
12mm	1.5 to 1.25	100mm long
12mm	1.25	40mm long
12mm	1.25	50mm long
12mm	1.25	60mm long
12mm	1.25	80mm long
12mm	1.25	100mm long
12mm	1.25 to 1.5	60mm long
12mm	1.25 to 1.5	80mm long
14mm	1.5	40mm long
14mm	1.5	50mm long
14mm	1.5	60mm long
14mm	1.5	80mm long

**Part No. SS11**  
**Part No. SS12**  
**Part No. SS13**  
**Part No. SS14**  
**Part No. SS18**  
**Part No. SS19**  
**Part No. SS19A**  
**Part No. SS21**  
**Part No. SS22**  
**Part No. SS23**  
**Part No. SS24**  
**Part No. SS24A**  
**Part No. SS25**  
**Part No. SS26**  
**Part No. SS27**  
**Part No. SS28**  
**Part No. SS29**  
**Part No. SS29A**



## UNIVERSAL WHEEL SPACER EXTENSION STUDS



3/4" HEX HIGH TENSILE ZINC PLATED

3/8" unf	2" long
7/16" unf	2" long
1/2" unf	2 1/4" long
12mm 1.5	2" long
12mm 1.25	2 1/4" long
14mm 1.5	2 1/4" long
12mm 1.5	2 1/4" long

**Part No. SE20**  
**Part No. SE21**  
**Part No. SE22**  
**Part No. SE23**  
**Part No. SE24**  
**Part No. SE25**  
**Part No. SE26**

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# TUNER TYPE LOCKING NUTS AND BOLTS



## GRAYSTON®

**FOR WHEELS THAT HAVE  
BEEN DESIGNED FOR USE  
WITH ROUND HEAD  
TUNER TYPE NUTS/BOLTS**

### Technical Specifications - Tuner Locks

Part N°	Bolt or Nut	Thread	Thread Length	Seating	O/Dia
<b>TLN14</b>	Nut	12mm x 1.5	-	60°	20mm
<b>TLN15</b>	Nut	12mm x 1.25	-	60°	20mm
<b>TLB11</b>	Bolt	12mm x 1.5	28mm	60°	20mm
<b>TLB21</b>	Bolt	12mm x 1.25	28mm	60°	20mm



### Tuner Locks Fitment Guide

Vehicle Make and Model	Thread and Type	Part Number
<b>ALFA ROMEO</b> All models	{ 12mm x 1.25 60° Bolt	TLB21
<b>BMW</b> All models Bolt Fitting	{ 12mm x 1.5 60° Bolt	TLB11
<b>CHRYSLER</b> Neon, Voyager, PT Cruiser	{ 12mm x 1.5 60° Nut	TLN14
<b>CITROEN</b> All models	{ 12mm x 1.25 60° Bolt	TLB21
<b>DAEWOO</b> Leganza, Tacuma	{ 12mm x 1.5 60°Nut	TLN14
Matiz	{ 12mm x 1.25 60°Nut	TLN15
<b>FIAT</b> Croma, X19, Panda, Tipo, Uno, Cinquecento, Brava, Punto, Palio, Stilo, Multipla	{ 12mm x 1.25 60° Bolt	TLB21
<b>FORD</b> Cortina 3,4,5, Escort 2, Capri 2,3,4 Sierra, Sapphire, Escort 5, Orion, Fiesta XR2, XR3, Sierra XR4, Mondeo, Scorpio, KA, Puma, Cougar, Probe	{ 12mm x 1.5 60°Nut	TLN14
Escort mk3, 4 upto 1991 Escort XR2 upto 1991 XR3, XR3i, Orion upto 1991	{ 12mm x 1.5 60°Bolt	TLB11
<b>HYUNDAI</b> All models	{ 12mm x 1.5 60° Nut	TLN14

Vehicle Make and Model	Thread and Type	Part Number
<b>KIA</b> All models	{ 12mm x 1.5 60° Nut	TLN14
<b>LEXUS</b> IS200, GS300, LS400	{ 12mm x 1.5 60° Nut	TLN14
<b>MAZDA</b> All models Nut fitting	{ 12mm x 1.5 60° Nut	TLN14
<b>MINI (BMW)</b> All models	{ 12mm x 1.5 60° Bolt	TLB11
<b>MITSUBISHI</b> All models	{ 12mm x 1.5 60° Nut	TLN14
<b>NISSAN</b> All models	{ 12mm x 1.25 60° Nut	TLN15
<b>OPEL</b> All models	{ 12mm x 1.5 60° Bolt	TLB11
<b>PEUGEOT</b> All models	{ 12mm x 1.25 60° Bolt	TLB21
<b>PROTON</b> All models	{ 12mm x 1.5 60° Nut	TLN14
<b>RENAULT</b> All models with 12mm x 1.5 bolts	{ 12mm x 1.5 60° Bolt	TLB11
<b>SUBARU</b> All models	{ 12mm x 1.25 60° Nut	TLN15
<b>TOYOTA</b> All models	{ 12mm x 1.5 60° Nut	TLN14
<b>VAUXHALL</b> All models bolt fixings	{ 12mm x 1.5 60° Bolt	TLB11

### IMPORTANT NOTE

This fitment chart is only a guide. Please check carefully the thread type, seating and length of thread on original fitting nuts/bolts with GRAYSTON tuner locks to make sure they comply.



## WHEEL BRACES

**GE997** Fold down 4-way wheel brace for easy storage. Opens up for easy to use spider.

Fits 17mm, 19mm, 21mm 23mm, Hex wheel nuts/bolts.



**Provides more torque than standard wheel brace and easier to use.**



**GE998** Telescopic wheel brace extends from 33cms to 53cms to give extra torque. Fits 17mm, 19mm, 21mm 23mm, Hex wheel nuts/bolts. Supplied with two sockets.



## TYRE VALVE CAPS

Grayston Universal Tyre Valve Caps are manufactured in aluminium and anodised in three colours red, blue, and silver. Designed to give your alloy wheel that final professional finish. Supplied in sets of four.

**GE10B** Blue  
**GE10R** Red  
**GE10S** Silver



## ALUMINIUM WHEEL NUTS.

Grayston Aluminium Wheel nuts are manufactured from high tensile aluminium, heat treated to specification 7075. These wheel nuts are half the weight of compatible standard wheel nuts with equal strength. They give your alloy wheels the professional finish. Available in bulk or packs of four. Available in two types open or closed and in four colours red, blue, gold and Black. All Grayston aluminium wheel nuts are 19mm HEX x 60° seating.

**PART NUMBERS SHOWN ARE FOR PACKS OF FOUR, For bulk part numbers remove letter 'P' as shown on price list**

### CLOSED HEAD

**SNA10P** 12mm x 1.5mm Black. Pack of 4  
**SNA11P** 12mm x 1.5mm Blue. Pack of 4.  
**SNA12P** 12mm x 1.5mm Gold. Pack of 4.  
**SNA13P** 12mm x 1.5mm Red. Pack of 4.  
**SNA20P** 12mm x 1.25mm Black. Pack of 4  
**SNA21P** 12mm x 1.25mm Blue. Pack of 4.  
**SNA22P** 12mm x 1.25mm Gold. Pack of 4.  
**SNA23P** 12mm x 1.25mm Red. Pack of 4.

### OPEN HEAD

**SNA15P** 12mm x 1.5mm Black. Pack of 4  
**SNA16P** 12mm x 1.5mm Blue. Pack of 4.  
**SNA17P** 12mm x 1.5mm Gold. Pack of 4.  
**SNA18P** 12mm x 1.5mm Red. Pack of 4.  
**SNA25P** 12mm x 1.25mm Black. Pack of 4  
**SNA26P** 12mm x 1.25mm Blue. Pack of 4.  
**SNA27P** 12mm x 1.25mm Gold. Pack of 4.  
**SNA28P** 12mm x 1.25mm Red. Pack of 4.

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## **NEW PRODUCTS**

### **ROLL CAGE PADDING**

**Part No. GE950B/BL/GR/O/P/R/Y**

**1 METRE LONG x 3" OD x 1½" OFFSET ID**

*FIRE RESISTANT - B1 FIRE RATING*



**GE950BL  
Black**



**GE950R  
Red**



**GE950B  
Blue**



**GE950Y  
Yellow**



**GE950GR  
Grey**



**GE950P  
Purple**



**GE950O  
Orange**

**GRAYSTON®**

# **WHEEL LOCKS**

**GRAYSTON ENGINEERING LIMITED**



Made in E.E.C.

**SUPERIOR QUALITY - ORIGINAL EQUIPMENT**



Vehicle Make and Model	Thread and Type	Original Equipment Steel Wheel	Original Equipment Alloy Wheel	Vehicle Make and Model	Thread and Type	Original Equipment Steel Wheel	Original Equipment Alloy Wheel
<b>ALFA ROMEO</b> 33, Arna, Boxer, 145, 146, 155, 156, 164, GTV, Spider, 166, 147	12mm x 1.25 60° Bolt	LB122	LB113	<b>FORD (Cont)</b> Escort Cosworth, Sierra Cosworth, Sierra XR4i & XR4x4, Mondeo, Scorpio, Ka, Puma, Focus, Cougar	12mm x 1.5 60° Nut	LN110	LN109
<b>AUDI</b> 50, 80 → '86, 80 Coupé → '84	12mm x 1.5 Radius Bolt	LB115	LB115	Probe 16v & 24v	12mm x 1.5 60° Nut	LN110	LN110
80 '86 → New Type, 90 '86 → New Type, 90 Quattro, 100-200 Type 44 Series, 100 New Type, A3, A4, A6, A8 TT	14mm x 1.5 Radius Bolt	LB116	LB116	Escort Mk3 & 4 → '91, Fiesta XR2 → '91, Escort XR3 & XR3i → '91 Orion → '91	12mm x 1.5 60° Bolt	LB112	LB112
<b>BMW</b> 1502, 2002 Tii, 2500, 3.3, 2800 CS, 3.0 CSI, Series 5 → '76	12mm x 1.5 60° Nut	LN110	LN110	Maverick	12mm x 1.25 60° Nut	LN103	LN103
3 Series, Compact, 5 Series → '10 6 Series, 7 Series, 8 Series, Z1, Z3, Z4, Z8	12mm x 1.5 60° Bolt	LB112	LB112	Galaxy	14mm x 1.5 Radius Bolt	LB116	LB116
X5, X6 → '10	14mm x 1.5 60° Bolt	LB134	LB134	<b>HONDA</b> Civic, Shuttle, Concerto, CRX, Aerodeck, Prelude, NSX, Legend, Accord, Ballade, Integra, S2000	12mm x 1.5 Radius Nut	LN104	LN104
X5, X6, 5 Series '10 →	14mm x 1.25 60° Bolt	LB172	LB172	CRV	12mm x 1.5 Radius Nut	-	LN104/5L
<b>CHRYSLER</b> Neon, Voyager, PT Cruiser	12mm x 1.5 60° Nut	LN110	LN110	<b>HYUNDAI</b> Pony, Stellar, S Coupé, Accent, Lantra, Sonata, Matrix, Trajet, Santa Fe	12mm x 1.5 60° Nut	LN110	LN110
Cherokee, Grand Cherokee	1/2" UNF 60° Nut	LN101	LN101	<b>KIA</b> Mentor, Sportage, Sephia, Magentis, Sedona, Carenz, Mentor	60° Nut 12mm x 1.5	LN110	LN110
Jeep, Wrangler	1/2" UNF 60° Nut	LN101/5	LN101/5	Pride	12mm x 1.5 60° Bolt	LB117	LB117
<b>CITROËN</b> BX, CX, ZX, Visa, Xantia	12mm x 1.25 60° Bolt	LB122	LB127	<b>LAND ROVER</b> Discovery 93-98	16mm x 1.5 Flat Nut	-	LN148/5
XM, Saxo, Xsara, Picasso, C5, C3 Berlingo	12mm x 1.25 Bolt	LB122	LB127	Discovery 98-04	14mm x 1.5 Flat Nut	-	LN149/5
Evasion, Synergie	14mm x 1.5 60° Bolt	LB114	LB114	Range Rover → 93	16mm x 1.5 Flat Nut	-	LN148/5
<b>DAEWOO</b> Nexia, Espero, Lanos, Nubira,	12mm x 1.5 60° Bolt	LB117	LB117	Range Rover 93-02	14mm x 1.5 Flat Nut	-	LN149/5
Leganza, Tacuma	12mm x 1.5 60° Nut	LN110	LN110	Range Rover 02-05	14mm x 1.5 Flat Nut	-	LN137
Matiz	12mm x 1.25 60° Nut	LN103	LN103	Range Rover 05 → Range Rover Sport Discovery 04 →	14mm x 1.5 Flat Nut	-	LN138
Musso, Korando	12mm x 1.5 60° Nut	LN110/5	LN110/5	Defender 90/110	16mm x 1.5 Flat Nut	-	LN148/5
<b>DAIHATSU</b> Mira, Applause, Charade, Cuore, Move, Sirion	12mm x 1.5 60° Nut	LN110	LN110	Freelander	12mm x 1.5 Radius Nut	-	LN104/5L
Fourtrak, Sportrak	12mm x 1.5	LN110/5 60° Nut	LN110/5	<b>LADA</b> Riva, Samara	12mm x 1.25 60° Bolt	LB122	LB113
<b>FERRARI</b> 308, 328, 348, 512, F40, 550, Testarossa, 355, 456	14mm x 1.5 60° Bolt	-	LB114	Niva, Cossack	12mm x 1.25 60° Nut	LN103	LN103
<b>FIAT</b> Ritmo, Regata, Croma, X1.9, Panda, Tipo, Uno, Fiorino, Tempra, Cinquecento, Barchetta, Bravo, Brava, Punta, Marela, Palio, Weekend, Stilo, Multipla	12mm x 1.25 60° Bolt	LB122	LB113	<b>LANCIA</b> Y10, Delta, Prisma, Dedra, Thema	12mm x 1.25 60° Bolt	LB113	LB113
Ulysse	14mm x 1.5 60° Bolt	LB114	LB114	Fulvia, Gamma, Integrale, Zeta	14mm x 1.5 60° Bolt	LB114	LB114
<b>FORD</b> Zephyr, Zodiac, Anglia, Corsair, Escort Mk1, Cortina Mk1 & 2, Capri Mk1	7/16" UNF 60° Nut	LN102	LN102	<b>LEXUS</b> IS 200, GS300, LS400	12mm x 1.5 Nut	LN110	LN169/5
Cortina Mk 3, 4 & 5, Escort Mk 2, Capri Mk2, 3 & 4, Granada, Consul, Sierra, Sapphire, Escort Mk5 '91 →, Orion, Fiesta, XR2, XR3 '91 →,	12mm x 1.5 Nut	LN110	LN109	<b>MAZDA</b> 121, 1.1, 1.2, 626 → '79 323 → '82, RX7 → '84	12mm x 1.5 60° Bolt	LB117	LB117
				323 '82 →, 626 '80 →, 929, MX3, MX5, MX6, RX7 '84 →, Xedos 6 & 9, Premacy, 6	12mm x 1.5 60° Nut	LN110	LN110
				<b>MERCEDES</b> 180C Series, 190D Series, 190E Series, 200C Series, 210E Series, A Class, C Class, E Class, CLK, SLK	12mm x 1.5 Radius Bolt	LB115	LB118
				116, 123, 124, 126, 250S, 200D, 280S, 450SEL, 280E, 300TE, 500SEL	12mm x 1.5 Radius Bolt	LB115	LB120
				230GD, 300GD, 140 all M.L., SL500/55 '01 →	14mm x 1.5 Radius Bolt 14mm x 1.5 Radius Bolt	LB119 LB116	LB119 LB116

**THE IDEAL THEFT DETERRENT** This Fitment Guide is for factory fitted standard wheels only.



# Fitment Guide

Technical Specifications on back.

GRAYSTON®

Vehicle Make and Model	Thread and Type	Original Equipment Steel Wheel	Original Equipment Alloy Wheel	Vehicle Make and Model	Thread and Type	Original Equipment Steel Wheel	Original Equipment Alloy Wheel
<b>M.G.</b> MGTF, MGZR, MGZS	{ 12mm x 1.5 60° Nut	LN109	LN109	<b>SEAT</b> Ibiza ->'94, Malaga ->'94, Marbella, Ronda	{ 12mm x 1.25 60° Bolt	LB122	LB113
MGZT, MGZT-T	{ 14mm x 1.25 60°	LB172	LB172	4 Hole fixings			
<b>MINI</b> (BMW) All models ->'07	{ 12mm x 1.5 60° Bolt	LB112	LB112	Ibiza '94 ->, Malaga '94 ->, Toledo, Cordoba, Arosa	{ 12mm x 1.5 Radius Bolt	LB115	LB115
All models '07 ->	{ 14mm x 1.25 60° Bolt	LB172	LB172	5 Hole fixings, All models.	{ 14mm x 1.5 Radius Bolt	LB116	LB116
<b>MITSUBISHI</b> Colt, Lancer, Galant, Sapporo, Starion, Carisma, Sigma, 3000GT, Space Wagon, EVO 3, 4, 5, 6, 7 F.T.O.	{ 12mm x 1.5 Nut	LN110	LN169/5	<b>SKODA</b> Estelle, Rapid, Coupé	{ 12mm x 1.5 Radius Nut	LN104	LN104
Shogun, Pajero, Pinnin	{ 12mm x 1.5 Nut	LN110	LN169/5	Favorit ->'93	{ 12mm x 1.25 60° Bolt	LB122	LB113
<b>NISSAN</b> Micra, Stanza, Cherry, Sunny, NX Coupé, Prairie, Serena, Bluebird, Primera, 200SX, Maxima, 300ZX, Almera	{ 12mm x 1.25 60° Nut	LN103	LN103	Favorit '93 ->, Felicia	{ 12mm x 1.5 Radius Bolt	LB115	LB115
Terrano, Patrol,	{ 12mm x 1.25 60° Nut	LN103/5	LN103/5	Octavia, Fabia, Superb	{ 14mm x 1.5 Radius Bolt	LB116	LB116
<b>OPEL</b> Ascona A & B, Commodore, Kadett C, Manta, Monza, Rekord, Senator A	{ 12mm x 1.25 60° Nut	LN110	LN110	<b>SMART</b> Smart	{ 12mm x 1.5 Radius Bolt	LB115	LB115
Ascona C, Kadett D & E, Senator B, Astra, Corsa, Omega, Tigra, Vectra	{ 12mm x 1.5 60° Bolt	LB117	LB117	<b>SUBARU</b> Vivio, Justy, Legacy, Impreza, Forester	{ 12mm x 1.25 60° Nut	LN103	LN103
<b>PEUGEOT</b> 106, 205, 206, 305, 306, 307, 309, 405, 605, 406, 406 Coupé, 607	{ 12mm x 1.25 Bolt	LB122	LB127	<b>SUZUKI</b> Alto, Baleno Swift ->2004	{ 12mm x 1.25 60°	LN103	LN103
806	{ 14mm x 1.5 60° Bolt	LB114	LB114	Swift 2004->	{ 12mm x 1.25 60°	LB122	LB122
<b>PORSCHE</b> 911, 912, 924, 924 Turbo, 924S, 928, 930, 944, 948, 968, 993,	{ 14mm x 1.5 Radius Nut	LN164	LN164	SJ410, SJ413, Vitara,	{ 12mm x 1.25 60°	LN103/5	LN103/5
914/4, 924 ->'84, Boxster, 996	{ 14mm x 1.5 Radius Bolt	LB167	LB167	<b>TOYOTA</b> Starlet, Corolla, Carina, Previa, Camry, MR2, Celica, Supra, Paseo, Avenis, Yaris	{ 12mm x 1.5 Nut	LN110	LN169/5
<b>PROTON</b> 1.3, 1.5, Persona, Compact	{ 12mm x 1.5 60° Nut	LN110	LN110	Land Cruiser, 4 Runner, Rav 4,	{ 12mm x 1.5 Flat Nut	-	LN169/5
<b>RENAULT</b> R9, R11, R19, R21, R25, Chamade, Express, Fuego, Nevada, Savanna, Safrane, Clio, Megane, Espace, Laguna, Twingo, Kangoo, Scenic	{ 12mm x 1.5 60° Bolt	LB112	LB112	<b>VAUXHALL</b> Chevette, Ventora, Firenza, Carlton ->'87, Cavalier ->'92	{ 12mm x 1.5 60° Nut	LN110	LN110
All below with ABS, Turbo & V6 R25, Espace, Safrane, Laguna, Spider Avantime, Velsatis	{ 14mm x 1.5 60° Bolt	LB114	LB114	Nova, Astra, Carlton '87->, Senator '87->, Cavalier '82->, Belmont, Corsa, Tigra, Omega, Calibra, Vectra, Astra New Shape Zafira	{ 12mm x 1.5 60° Bolt	LB117	LB117
<b>ROVER</b> Mini (up to 2000)	{ 3/8" UNF 60° Seat	LN105	LN105	Frontera,	{ 12mm x 1.5 60° Nut	-	LN110/5
Maestro, Montego	{ 12mm x 1.5 60° Nut	LN110	LN110	Monteray	{ 12mm x 1.5 Flat Nut	-	LN169/5
Metro, 100, 200, 400, 600, 800	{ 12mm x 1.5 Radius Nut	LN104	LN104	<b>VOLKSWAGEN</b> All 4 Hole Wheel Fixings Golf, Polo, Derby, Jetta, Passat, Scirocco, Vento, Corrado	{ 12mm x 1.5 Radius Bolt	LB115	LB115
25, 45	{ 12mm x 1.5 60° Nut	LN109	LN109	All 5 Hole Wheel Fixings Vento, Corrado, Passat, Golf, Bora	{ 14mm x 1.5 Radius Bolt	LB116	LB116
75, 75 Tourer	{ 14mm x 1.5 60° Bolt	LB134	LB134	Beetle 2000 ->, Sharan	{ 14mm x 1.5 Radius Bolt	LB116	LB116
<b>SAAB</b> 900 '88->'93, 9000 Series,	{ 14mm x 1.5 60° Bolt	LB114	LB114	<b>VOLVO</b> 240, 244, 245, 260, 265	{ 1/2" UNF 60° Nut	LN101	LN101
900 '93->, 9.5, 9.3	{ 12mm x 1.5 60° Bolt	LB117	LB117	340, 343, 345, 360	{ 12mm x 1.25 60° Nut	LN103	LN103
				440, 460, 480	{ 12mm x 1.25 60° Bolt	LB122	LB122
				740, 760, 780, 940, 950, 960, S40, V40, S90, V90, S70, V70, ->'01	{ 12mm x 1.5 60° Nut	LN110	LN110
				850, C70, S70, V70 '01->	{ 12mm x 1.75 60° Bolt	LB155	LB155
				850, XC90	{ 14mm x 1.5 60° Bolt	-	LB134

For non-standard wheels check Technical Specification details or contact Grayston's Technical Department.



## 4 x 4 Range Wheel Locks

Vehicle Make and Model	Thread and Type	Part number to fit Original Equipment Wheels
<b>CHRYSLER</b> Jeep, Wrangler	{ 1/2" UNF 60° Nut	LN101/5
<b>DAEWOO</b> Musso, Korando	{ 12mm x 1.5 60° Nut	LN110/5
<b>DAIHATSU</b> Fourtrak, Sportrak	{ 12mm x 1.5 60° Nut	LN110/5
<b>FORD</b> Maverick	{ 12mm x 1.25 60° Nut	LN103/5
<b>HONDA</b> CRV	{ 12mm x 1.5 Radius Nut	LN104/5L
<b>ISUZU</b> Trooper	{ 12mm x 1.5 60° Nut	LN110/5
<b>LANDROVER</b> Discovery 93-98	{ 16mm x 1.5 Flat Nut	LN148/5
Discovery 98-04	{ 14mm x 1.5 Flat Nut	LN149/5
Range Rover → 93	{ 16mm x 1.5 Flat Nut	LN148/5
Range Rover 93-02	{ 14mm x 1.5 Flat Nut	LN149/5
Range Rover 02-05	{ 14mm x 1.5 Flat Nut	LN137
Range Rover 05 → Range Rover Sport Discovery 04 →	{ 14mm x 1.5 Flat Nut	LN138
Defender 90/110	{ 16mm x 1.5 Flat Nut	LN148/5
Freelander → 07	{ 12mm x 1.5 Radius Nut	LN104/5L
Freelander 07 →	{ 14mm x 1.5 60° Nut	LN166
<b>MITSUBISHI</b> Shogun, Sport, Pajero, Pinin	{ 12mm x 1.5 Flat Nut	LN169/5
<b>NISSAN</b> Terrano, Patrol	{ 12mm x 1.25 60° Nut	LN103/5
<b>SUZUKI</b> SJ410, SJ413, Vitara	{ 12mm x 1.25 60° Nut	LN103/5
<b>TOYOTA</b> Land Cruiser, Rav 4, 4 runner	{ 12mm x 1.5 Flat Nut	LN169/5
<b>VAUXHALL</b> Frontera	{ 12mm x 1.5 60° Nut	LN110/5
Monteray	{ 12mm x 1.5 Flat Nut	LN169/5

## Information

Grayston Wheel Locks are available for factory fitted steel and alloy wheels as our fitment guide. Grayston also supply many other types and sizes for non-standard wheels. Check our Technical Specification Guide for all types and sizes available or contact Grayston's Technical Department.

**NOTE:** The key supplied with Grayston Wheel Locks is a 17mm/19mm Hexagonal Combination Key or a 21mm Hex Key with the 4 x 4 range. This may not be the same size as the wheel brace supplied with your vehicle. PLEASE CHECK you have the correct wheel brace to fit Grayston Locks with your vehicle.

After Grayston Wheel Locks have been fitted they should be rechecked for tightness after 100 miles and then at frequent intervals.

**NOTE:** The chrome plated caps supplied with Grayston Wheel Locks are 19mm hex. Please ensure you have a 19mm hex wheel brace in your vehicle to remove them.

**IMPORTANT:** Great care has been taken in compiling this fitment guide, however, vehicle manufacturers may make modifications at any time so Grayston cannot guarantee this fitment guide. Please check Grayston Locks against original fitment on car before fitting. If in doubt check with Grayston's Technical Department.

**KEEP A RECORD OF KEY No.  
IT MUST BE QUOTED WHEN ORDERING  
SPARES OR REPLACEMENTS.**

## Technical Specifications - Full Range

Part No	Bolt or Nut	Thread	Thread Length	Seating
<b>LN101</b>	Nut	1/2" UNF	-	60°
<b>LN101/5</b>	Nut	1/2" UNF	Set of Five	60°
<b>LN102</b>	Nut	7/16" UNF	-	60°
<b>LN103</b>	Nut	12mm x 1.25	-	60°
<b>LN103/5</b>	Nut	12mm x 1.25	Set of Five	60°
<b>LN104</b>	Nut	12mm x 1.5	-	Radius
<b>LN104/5L</b>	Nut	12mm x 1.5	Set of Five	Radius
<b>LN105</b>	Nut	3/8" UNF	-	60°
<b>LN109</b>	Ghia Nut	12mm x 1.5	-	60° Washer
<b>LN110</b>	Nut	12mm x 1.5	-	60°
<b>LN110/L</b>	Nut	12mm x 1.5	Long Head	60°
<b>LN110/5</b>	Nut	12mm x 1.5	Set of Five	60°
<b>LN137</b>	Nut	14mm x 1.5	-	Flat
<b>LN138</b>	Nut	14mm x 1.5	-	Flat
<b>LN148/5</b>	Nut	16mm x 1.5	Set of Five	Flat
<b>LN149/5</b>	Nut	14mm x 1.5	Set of Five	Flat
<b>LN164</b>	Nut	14mm x 1.5	-	Radius
<b>LN166</b>	Nut	14mm x 1.5	-	60°
<b>LN169/5</b>	Nut	12mm x 1.5	Set of Five	Flat
<b>LB117</b>	Bolt	12mm x 1.5	22mm	60°
<b>LB112</b>	Bolt	12mm x 1.5	25mm	60°
<b>LB126</b>	Bolt	12mm x 1.5	28mm	60°
<b>LB111V</b>	Bolt	12mm x 1.5	30mm	60° Variable
<b>LB124</b>	Bolt	12mm x 1.5	33mm	60°
<b>LB168</b>	Bolt	12mm x 1.5	40mm	60°
<b>LB123</b>	Bolt	12mm x 1.5	44mm	60°
<b>LB156</b>	Bolt	12mm x 1.5	48mm	60°
<b>LB157</b>	Bolt	12mm x 1.5	56mm	60°
<b>LB158</b>	Bolt	12mm x 1.5	70mm	60°
<b>LB115</b>	Bolt	12mm x 1.5	24mm	Radius
<b>LB120</b>	Bolt	12mm x 1.5	28mm	Radius
<b>LB118</b>	Bolt	12mm x 1.5	38mm	Radius
<b>LB128</b>	Ghia Bolt	12mm x 1.5	28mm	60° Washer
<b>LB122</b>	Bolt	12mm x 1.25	25mm	60°
<b>LB113</b>	Bolt	12mm x 1.25	30mm	60°
<b>LB121V</b>	Bolt	12mm x 1.25	30mm	60° Variable
<b>LB165</b>	Bolt	12mm x 1.25	40mm	60°
<b>LB159</b>	Bolt	12mm x 1.25	50mm	60°
<b>LB160</b>	Bolt	12mm x 1.25	70mm	60°
<b>LB127</b>	Bolt	12mm x 1.25	34mm	Flat
<b>LB161</b>	Bolt	12mm x 1.25	42mm	Flat
<b>LB155</b>	Bolt	12mm x 1.75	28mm	60°
<b>LB114</b>	Bolt	14mm x 1.5	25mm	60°
<b>LB134</b>	Bolt	14mm x 1.5	28mm	60°
<b>LB162</b>	Bolt	14mm x 1.5	60mm	60°
<b>LB116</b>	Bolt	14mm x 1.5	28mm	Radius
<b>LB167</b>	Bolt	14mm x 1.5	33mm	Radius
<b>LB119</b>	Bolt	14mm x 1.5	43mm	Radius
<b>LB163</b>	Bolt	14mm x 1.5	60mm	Radius
<b>LB172</b>	Bolt	14mm x 1.25	28mm	60°

# GRAYSTON®

## GRAYSTON ENGINEERING LIMITED

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### GE58 QUICK RELEASE BONNET PINS

Traditional type of quick release bonnet/boot fastener for securing bonnets and boots. Chrome plated steel with full fitting kit included.



### GE52 COMPETITION BONNET PIN KIT

Slide plate is manufactured from stainless steel. Used by most major works rally teams. Quick release slide action for securing bonnets, tailgates and boots.



### ALLOY COMPETITION BONNET PIN KIT

Slide plate and pins manufactured from very strong lightweight high tensile aluminium. Used by most major works rally teams. Quick release slide action for securing bonnets, tailgates and boots.

GE52B - Blue    GE52G - Gold  
GE52BL - Black    GE52R - Red  
GE52S - Silver



### RECESSED BONNET PIN PLATES

Grayston bonnet pin plates are designed for use with Grayston range of competition bonnet pins. They allow the bonnet pins to be fitted so they are below the vehicle body line. Manufactured from aluminium and anodised. Supplied in pairs, or loose in poly-bag

GE515BL Black  
GE515S Silver

### COMPETITION BOOT SPRINGS

Suitable for use on boots, bonnets, panels and exhaust systems.

GE53 Stainless Steel  
GE53B Black Coated  
GE53S Stainless Steel



**As used by most major works rally teams**





### ▲ COMPETITION PEDAL PADS

Supplied in sets with bolts and nylon nuts, manufactured from high tensile extra light aluminum anodised for protection.

**GE57** Silver **GE57B** Blue **GE57R** Red

### IMPORTANT

**THIS PRODUCT IS FOR COMPETITION OR OFF-ROAD USE ONLY**

**THE PRODUCT MUST BE PROPERLY FITTED. DO NOT USE UNLESS THERE IS 50MM MINIMUM CLEARANCE BETWEEN PEDALS AFTER FITTING. IT MUST BE POSSIBLE TO OPERATE ANY PEDAL OVER ITS FULL TRAVEL WITHOUT INADVERTENTLY OPERATING OR INTERFERING WITH ANY OTHER PEDAL.**

**IT IS ESSENTIAL TO RETAIN FULL PEDAL CONTROL AT ALL TIMES.**



### ▲ GE56 COMPETITION SPOT LAMP STEADY BARS.

Supplied in pairs, can be bent to suit. Helps reduce spot lamp vibration. Also used to stabilise front spoilers/splitters.

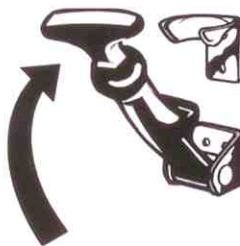
### ▲ GE59 ADJUSTABLE COMPETITION SPOT LAMP STEADY BARS

Supplied in pairs, made with left and right hand threads so they can be adjusted for tightness after fitting, helps stop lamp vibration. Also suitable for fitting and adjusting front spoilers and splitters.

### COMPETITION RUBBER BONNET/BOOT HOOK KITS

Supplied in pairs with all fixings, suitable for securing panels, bonnets or boots, many other uses.

**GE62** Small  
**GE63** Large



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# GRAYSTON®

**COMPETITION PRODUCTS**  
**FOR ROAD, OFF ROAD,**  
**RACE AND RALLY USE**



## COMPETITION 'T' PULL CABLES

1.5 or 3 metres long suitable for use with battery switches/fire extinguisher systems/boot or bonnet catches etc.

**GE60B** 1.5 Metre black 'T' handle pull cable  
**GE61B** 3 Metre black 'T' handle pull cable  
**GE60R** 1.5 Metre red 'T' handle pull cable  
**GE61R** 3 Metre red 'T' handle pull cable  
**GE61SS** 3 Metre red 'T' handle pull cable **Stainless Steel** inner cable and outer cover.

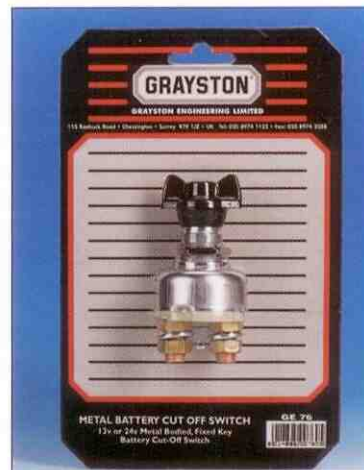


## GE595 SOLDERLESS SCREW NIPPLE

Fits all Grayston pull cables.

## GE76 METAL BATTERY CUT OFF SWITCH

12v or 24v metal bodied fixed key battery cut off switch rated at 12v 100 amp continuous loading, 500 amp for 10 seconds.



## TOGGLE FASTENERS

Chrome plated or black, supplied in pairs

Used for keeping panels, boots, tailgates shut at high speed. Standard or lockable type.

**GE64** Chrome plated large type  
**GE65** Chrome plated small lockable with padlock eye  
**GE64B** Black coated large type  
**GE65B** Black coated small lockable with padlock eye.

## GE55 F.I.A. BATTERY MASTER CUT OFF SWITCH

6 pole F.I.A. master battery cut off switch isolates engine and protects alternator circuit against heavy voltage surge and prevents engine 'run-on'. Controls circuits up to 500 amps initial load with 100 amps continuous load 12 - 24v.

Spare keys available **Part No KEY55**  
Spare diode available **Part No GE55D**

## BATTERY ISOLATOR SWITCH SAFETY STICKER



## GE757 QUICK-FIT BATTERY CUT OFF SWITCH

Universal fit to all battery types in minutes. Simply unscrew green knob to disable your battery.



## GE54 BATTERY CUT OFF SWITCH

300 amp initial load, 100 amp continuous 12-24v battery cut off switch. A simple way to isolate vehicle electric's in case of fire or accident. Also when fitted it can be used as an anti-theft device and stops drain on battery when the vehicle or equipment is not in use.

Spare Keys available **Part No KEY54**





## MOTOR SPORT SWITCHES 12 VOLT - 30 AMP

The GRAYSTON range of motor sport switches are manufactured to high standard's for the motor sport industry. All switches are rated to a minimum of 25amps. They can be supplied in bulk or poly bag/header card as above.

## MOTOR SPORT SWITCHES 12 VOLT 25/30 AMP

Metal pole construction toggle switches / Waterproof covers / warning lights / Push button and LED switches

<b>GE333A</b>	Amber small warning light with chrome beze	12v 1 1/2 w	<b>GE355</b>	On/Off toggle switch screw terminal	25 amp
<b>GE333B</b>	Blue small warning light with chrome bezel	12v 1 1/2 w	<b>GE36L</b>	On/Off/On toggle switch lucar terminal	25 amp
<b>GE333G</b>	Green small warning light with chrome bezel	12v 1 1/2 w	<b>GE36S</b>	On/Off/On toggle switch screw terminal	25 amp
<b>GE333R</b>	Red small warning light with chrome bezel	12v 1 1/2 w	<b>GE37L</b>	On/On toggle switch lucar terminal	25 amp
<b>GE338R</b>	Push button red illuminated starter switch	50 amp	<b>GE37S</b>	On/On toggle switch screw terminal	25 amp
<b>GE339</b>	Push button switch stainless steel	25 amp	<b>GE38</b>	Waterproof cover for all toggle switches	
<b>GE34</b>	Push button starter switch	30 amp	<b>GE39A</b>	Amber large face warning light	12v, 2w
<b>GE34M</b>	Momentary on toggle switch screw terminal	30 amp	<b>GE39B</b>	Blue large face warning light	12v, 2w
<b>GE34P</b>	Push button switch	30 amp	<b>GE39G</b>	Green large face warning light	12v, 2w
<b>GE34PC</b>	Push button switch with waterproof cover	30 amp	<b>GE39R</b>	Red large face warning light	12v, 2w
<b>GE35L</b>	On/Off toggle switch lucar terminal	25 amp	<b>GE357</b>	On/off dolly switch with wires	25 amp
<b>GE35LA</b>	On/Off amber L.E.D toggle switch lucar terminal	25 amp	<b>GE348S</b>	Flash/off toggle switch screw terminal	25 amp
<b>GE35LB</b>	On/Off blue L.E.D toggle switch lucar terminal	25 amp	<b>GE349S</b>	Flash/off/flash toggle switch screw terminal	25 amp
<b>GE35LG</b>	On/Off green L.E.D toggle switch lucar terminal	25 amp			
<b>GE35LR</b>	On/Off red L.E.D toggle switch lucar terminal	25 amp			

If the switch you require is not shown please ask as others are available.



GRAYSTON STARTER PANELS HAVE BEEN DESIGNED SPECIFICALLY FOR THE MOTOR SPORT ENTHUSIAST THEY ARE ALL 12 VOLT AND RATED AT 30 AMPS, SUPPLIED BOXED AND COMPLETE WITH WIRING. COMPETITION STARTER PANELS ARE SUPPLIED IN POLY BAG WITHOUT WIRING.

### GE343 CHROME FINISH PANEL GE343C CARBON FINISH PANEL

Starter panel with 30 amp on/off toggle switch fitted with aircraft flip cover, ignition light and 30 amp push button starter switch. Full wiring kit included.

### GE344-1 CHROME FINISH PANEL GE344-1C CARBON FINISH PANEL

Starter panel with 30 amp on/off toggle switch fitted with aircraft flip cover, 30 amp push button starter switch and one 30 amp accessory switch. Full wiring kit included.

### GE344-2 CHROME FINISH PANEL GE344-2C CARBON FINISH PANEL

Starter panel with 30 amp on/off toggle switch fitted with aircraft flip cover, 30 amp push button starter switch and two 30 amp accessory switches. Full wiring kit included.

### GE344-3 CHROME FINISH PANEL GE344-3C CARBON FINISH PANEL

Starter panel with 30 amp on/off toggle switch fitted with aircraft flip cover, 30 amp push button starter switch and three 30 amp accessory switches. Full wiring kit included.

### GE336 (competition)

Starter panel with 30 amp on/off toggle fitted with aircraft flip cover, red warning light and 30 amp push button starter switch. Supplied without wiring and in poly-bag.

### GE337 (competition)

Starter panel with 30 amp on/off toggle fitted with aircraft flip cover, Red and green warning lights, 30 amp push button starter switch and a 30 amp on/off toggle switch. Supplied without wiring and in poly-bag.

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### ▲ FLIP-UP AIRCRAFT SWITCH COVERS

Flip-up aircraft type switch covers designed to fit the GRAYSTON range of motor sport switches

**GE347** Red    **GE347B** Blue    **GE347C** Carbon    **GE347CH** Chrome Plated  
**GE347G** Green    **GE347W** White    **GE347Y** Yellow



### ▲ TOGGLE SWITCHES FITTED WITH FLIP-UP AIRCRAFT COVERS

30 amp on/off toggle switches fitted with flip-up aircraft type covers.

**GE345** Red    **GE345CH** Chrome Plated    **GE345W** White  
**GE345B** Blue    **GE345G** Green    **GE345Y** Yellow  
**GE345C** Carbon

### COMPETITION SEAT BELT FITTINGS

Grayston competition seat belt fittings are made from high quality heat treated carbon steel and are supplied to most major harness/seat belt manufacturers and are used by most road/race/rally works teams.

- GE50A** std seatbelt eyebolt 7/16" unf thread – 23mm thread length  
**GE50AL** long seatbelt eyebolt 7/16" unf thread – 32mm thread length  
**GE50AL50** extra long seatbelt eyebolt 7/16" thread – 50mm thread length  
**GE50AMX** std metric eyebolt 10mm x 1.5 thread – 23mm thread length  
**GE50B** eyebolt back plate 50mm x 25mm x 6mm – 7/16" unf thread  
**GE50BS** eyebolt back plate 55mm x 55mm x 2mm – 7/16" unf thread welded nut  
**GE50BS-FIA** eyebolt back plate 65mm x 65mm x 3mm – 7/16" unf thread welded nut  
**S78** 50mm (2") anchor plate double slot – zinc plated  
**S78B** 50mm (2") anchor plate double slot – black  
**S83B** 50mm (2") 3 bar slider cranked – black  
**S84B** 75mm (3") 3 bar slider cranked – black  
**S86** 75mm (3") alloy cranked anchor plate – black  
**S89** 50mm (2") snap hook with black pvc dipped end  
**S89B** 50mm (2") snap hook with black pvc dipped end – black  
**S90** 50mm (2") snap hook – zinc plated  
**S91** 75mm (3") snap hook – zinc plated  
**S92** 50mm (2") belt adjuster – black  
**S94** quick release buckle tang – zinc plated  
**S95** 50mm (2") belt adjuster with black plastic cover  
**S96** 75mm (3") belt adjuster – zinc plated  
**S97** 25mm (1") moustache tang – zinc plated  
**S98** 50mm (2") flat anchor plate – black  
**S99** 50mm (2") cranked anchor plate – black



# GRAYSTON®

**COMPETITION PRODUCTS**

**FOR ROAD, OFF ROAD,**

**RACE AND RALLY USE**

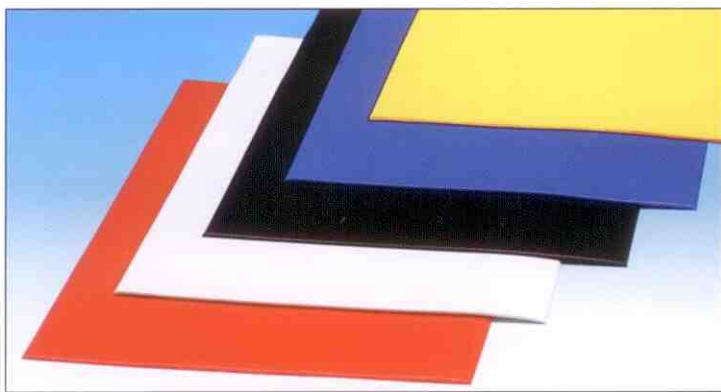
### COMPETITION SEATBELT FIXING KIT.

- GE50** Seat belt eye bolts and plates  
- set of 3.  
**GE51** Seat belt eye bolts and plates  
- set of 4.



Note: If you have interest in any seat belt products not shown in our catalogue please send us your enquiry.





### ▲ RALLY MUD-FLAPS

Professional quality durable P.V.C rally mud-flaps supplied in pairs, highly flexible and virtually indestructible, can be cut to any shape, available in five colours, as shown. Size 50cm x 30cm

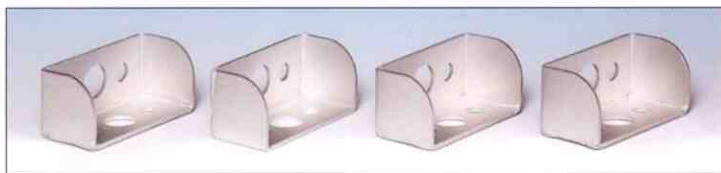
#### 3mm Thick

**GE996B** Blue      **GE996BL** Black  
**GE996R** Red      **GE996W** White      **GE996Y** Yellow

#### 4mm Thick

**GE994B** Blue      **GE994BL** Black  
**GE994R** Red      **GE994W** White      **GE994Y** Yellow

Sizes may vary slightly, supplied in pairs.



### ▲ GE995 MUD FLAP BRACKET

Universal aluminium mud flap brackets are designed for use with Grayston rally mud-flaps supplied in singles



### ▲ PANEL FASTENERS

#### TEHF6-50/TS6-275

Grayston self-ejecting fasteners are designed for use on curved or contoured surfaces where ejection of the fastener is essential to remove the top panel.

#### T1500/T150003

Grayston slide latch comprises a sliding bar which is supplied assembled to a housing/mounting plate which is riveted to the panel.



### ▲ GE126 SELF ADHESIVE CARBON/KELVAR SHEET

Manufactured from genuine 50% Kevlar and 50% carbon fibre by volume. Protects vulnerable parts, has good impact resistance, High strength and good wear properties. 3M self adhesive on reverse. Full spec sheets available if required. Sheet size: 50cm x 25cm x 1mm thick.

### GE127 SELF ADHESIVE CARBON/KELVAR SILL GUARDS

Manufactured from genuine 50% Kevlar and 50% carbon fibre by volume. Protects sills from impact, high strength and good wear properties. 3M self adhesive on reverse. Sheet size: 2 metres x 20cm x 1mm Thick

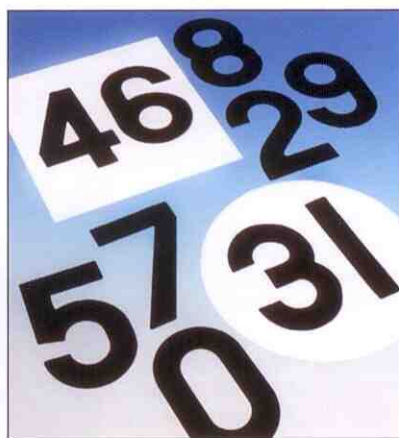


### ▲ GE124 SELF ADHESIVE CARBON SHEET

Real carbon fibre sheet with 3M self adhesive on reverse. Can be used on dashboards, interior or exterior panels. Supplied in Grayston packaging. Sheet size 50cm x 25cm. Full specification sheet available if required.

### GE125 SELF ADHESIVE CARBON SHEET

As GE 124 but sheet size 1 metre x 1.25 metres



### ▲ COMPETITION NUMBERS

Grayston competition numbers and backgrounds are made from high quality self adhesive matt finish vinyl.

- GE96-0** Black 11"(280mm) Racing Numbers Pack10 - No 0
- GE96-1** Black 11"(280mm) Racing Numbers Pack10 - No 1
- GE96-2** Black 11"(280mm) Racing Numbers Pack10 - No 2
- GE96-3** Black 11"(280mm) Racing Numbers Pack10 - No 3
- GE96-4** Black 11"(280mm) Racing Numbers Pack10 - No 4
- GE96-5** Black 11"(280mm) Racing Numbers Pack10 - No 5
- GE96-6** Black 11"(280mm) Racing Numbers Pack10 - No 6
- GE96-7** Black 11"(280mm) Racing Numbers Pack10 - No 7
- GE96-8** Black 11"(280mm) Racing Numbers Pack10 - No 8
- GE96-9** Black 11"(280mm) Racing Numbers Pack10 - No 9
- GE970** White roundal background 18"(457mm) Pack10
- GE975** White rectangular background 20"x 18" (508mm x 457mm) Pack10

# GRAYSTON®

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### ▲ TANK TAPE

High quality poly cloth tank tape supplied in 50mm wide rolls x 50 metres in the following colours  
SPECIFICATION Thickness 0.26mm, Tensile strength 140 N/25mm

**GE98B** Blue    **GE98BL** Black    **GE98G** Green  
**GE98R** Red    **GE98S** Silver    **GE98W** White  
**GE98Y** Yellow

Also supplied in 150mm wide x 50 metres in stated colours

**GE98-150BL** Black 150mm wide x 50 metres  
**GE98-150S** Silver 150mm wide x 50 metres  
**GE98-150W** White 150mm wide x 50 metres



### ▲ GE980-15

#### EXHAUST/MANIFOLD WRAP

Heat resistant asbestos free vermiculite weave exhaust /manifold wrap. Suitable up to 1260 degrees C. Helps reduce under bonnet temperatures, protects vulnerable parts from heat damage. Roll size 2" (50mm) x 50ft (15 metres).

### GE983 STAINLESS STEEL TIE STRAPS

Stainless steel self locking tie straps ideal where a high temperature application is required. 4.6mm x 360mm pack of 10.



### ▲ SELF ADHESIVE CLEAR POLYTHENE TAPE

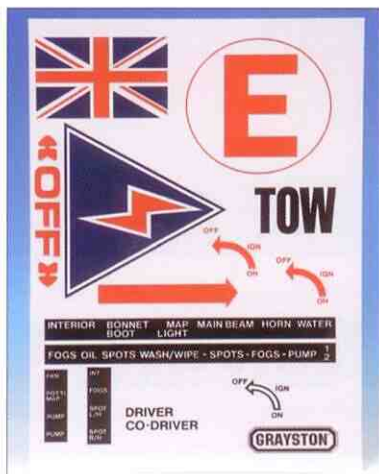
**GE98CL**  
Clear Polythene 50mm x 33 metres

**GE98-100CL**  
Clear Polythene 100mm x 33 metres



### ▲ GE98ALI ALUMINIUM FOIL TAPE

40 micron Aluminium foil tape fitted with pressure sensitive acrylic adhesive. This product meets class 1 fire precautions. Supplied on 50mm wide x 50 metre rolls  
SPECIFICATION Thickness 0.13mm, Tensile strength 54 N/25mm Service temperature - 40°C to +120°C (can withstand up to 140° for short periods)



### ▲ GE978 SCRUTINEER STICKER SHEET

Race and rally decal sheet. Essential for competition use.

### GE120 WINDOW SAFETY FILM

Clear, transparent, scratch resistant safety window film for motorsport use. This anti-shatter window film uses a special adhesive that bonds the film and glass together giving very good protection from external impact. 95% UV protection 86% Heat rejection Roll size **51cm x 4 metres**



# GRAYSTON®

## COMPETITION PRODUCTS

FOR ROAD, OFF ROAD,

RACE AND RALLY USE



### ▲ BLADE FUSE BOXES

**GE71** 4 Blade **GE72** 6 Blade **GE73** 8 Blade

Fuse boxes 4, 6, 8 way are for blade fuses of up to 30amps per circuit and are suitable for both 12v and 24v systems. Ideal for use in automotive, motor sport, marine, agricultural and commercial where additional fused circuits need to be installed.



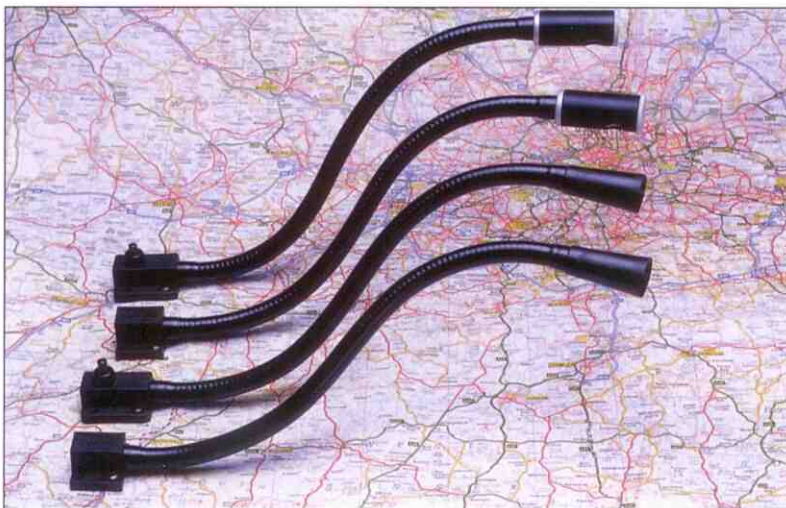
Boxes of 50

### ▲ BLOW - FUSES "It glows when it blows"

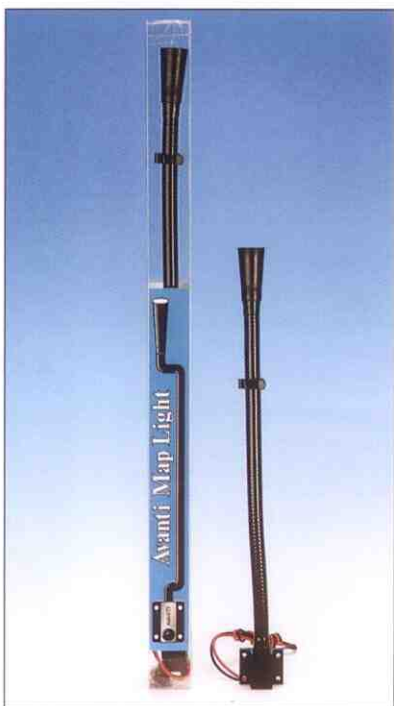
An innovative concept in intelligent blade fuses which have a micro - lamp in the top of the fuse. The micro - lamp lights up when the circuit is broken ie the fuse has blown. These fuses fit into the Grayston Range of blade fuse boxes shown above. The blow - fuses are sold in **boxes of 50** per type and are available in the range as follows.

<b>FUZ03A</b>	Blow fuse	3amp	Violet
<b>FUZ05A</b>	Blow fuse	5amp	Orange
<b>FUZ07A</b>	Blow fuse	7amp	Brown
<b>FUZ10A</b>	Blow fuse	10amp	Red
<b>FUZ15A</b>	Blow fuse	15amp	Blue
<b>FUZ20A</b>	Blow fuse	20amp	Yellow
<b>FUZ25A</b>	Blow fuse	25amp	Clear
<b>FUZ30A</b>	Blow fuse	30amp	Green





**GRAYSTON Avanti Flexible Rally Map Lights** are universally accepted as the world's finest flexible map lights. The Avanti is currently used by most major works competition rally teams. They are available in two lengths 12" (305mm) and 18" (457mm) in four different styles. The light end can be supplied with two types of hood, either variable aperture (Iris) or cone shaped. They are also available with or without an integral push on/off switch. All Avanti lights are manufactured in non-reflective matt black finish with a clip and screws for installation.



**Pro Series  
Cone light ended  
Unswitched**  
GE40 - 12" (305mm)  
GE41 - 18" (457mm)



**Rally Series  
Iris light ended  
Unswitched**  
GE42 - 12" (305mm)  
GE43 - 18" (457mm)



**70 Series  
Cone light ended  
Switched**  
GE45 - 12" (305mm)  
GE46 - 18" (457mm)



**Rally Series  
Iris light ended  
Switched**  
GE48 - 12" (305mm)  
GE49 - 18" (457mm)



# AVANTI

**FLEXIBLE RALLY LIGHTS  
SWITCHED & UNSWITCHED**



**FOUR TYPES  
TWO LENGTHS**



**B233LED**  
A mega bright  
(4 lumen) 4 LED 12v  
replacement bulb is now  
available for Pro/70 series  
cone end Avanti Map  
Lights



**AS USED BY MOST MAJOR  
WORKS RALLY TEAMS**

## GRAYSTON®

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# AeroCatch®



Photo: Audi

## GRAYSTON®

**AEROCATCH**

**PANEL FASTENER**

### THE SHEAR PIN LATCH PROVIDING A MODERN SOLUTION TO PANEL FASTENING.

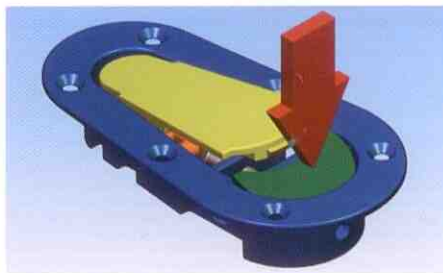
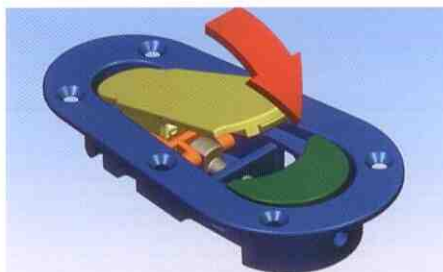
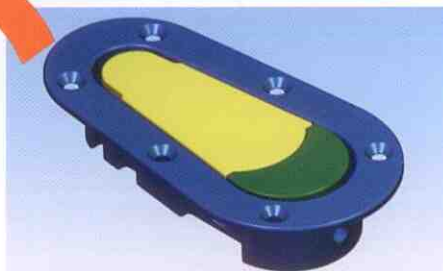
Since it was launched in 2005 the **Aerocatch** panel fastener has helped secure many champions in motorsport across the world. Grayston are proud to be a major distributor of **Aerocatch**.

This new aerodynamically and aesthetically styled panel fastener is setting new standards for panel fixing in motorsport.

Available in two main types T120s for fitting onto panel top surfaces and T125s for fitting to underside of panels. Both types are available in locking or non-locking.

Made from lightweight glass reinforced thermo plastic, which is very strong and non-corrosive, they can be spray painted if required as conventional materials.

**Aerocatch** is supplied in a ready to install kit form. The pack contains two **Aerocatches**, stud strikes, all fasteners, rubber bump stops, panel cut out templates, secondary lock keys (if lock option chosen) and full fitting instructions.



### LOCKING AND NON LOCKING PANEL FASTENERS

#### AEROCATCH - Black

Fits onto panels top surface

**T120-2000** Plus flush non locking

**T120-2100** Plus flush locking

#### AEROCATCH - Black

Fits underside of panels

**T125-2000** Flush non locking

**T125-2100** Flush locking

#### AEROCATCH - Carbon look

Fits onto panels top surface

**T120-3000** Plus flush non locking

**T120-3100** Plus flush locking

#### AEROCATCH - Carbon look

Fits underside of panels

**T125-3000** Flush non locking

**T125-3100** Flush locking

#### AEROCATCH - White

Fits onto panels top surface

**T120-2000W** Plus flush non locking

**T120-2100W** Plus flush locking



**THE CHOICE OF  
CHAMPIONS**



## CARAVAN AND TRAILER COUPLING LOCK



### GE9 UNIVERSAL CARAVAN & TRAILER ANTI-THEFT COUPLING LOCK

Suitable for most 50mm ball sockets with a unique multi-combination lock. Suitable for caravans, trailers, horse boxes and boat trailers. Comes with two keys.

## TOW ROPES

Suitable for cars and light commercial vehicles. Manufactured from polypropylene blue film rope both ends terminating with soft spliced loop, one end also having a metal 'D' shackle fitted. 4 metres long, manufactured to AU187 2000

Available in 3 types as follows

**TW01** 12mm towrope, pulling power approx 2000 kg

**TW02** 16mm towrope, pulling power approx 3500 kg

**TW03** 20mm towrope, pulling power approx 5250 kg



## WARNING TRIANGLE



### GE685 WARNING TRIANGLE

Lightweight (354 grams). Warning Triangle suitable for off-road, motorsport use. Designed to European Standard ECE R27



## AIR HORN



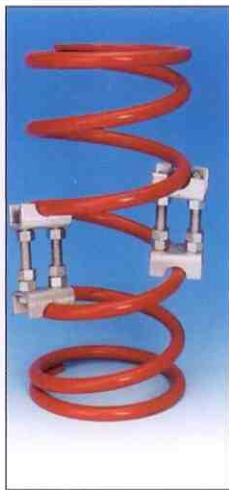
### GE680 AIR HORN

Twin trumpet 12v Klaxon Air Horn, suitable for road or motorsport use. kit comprises two trumpets, compressor, tubing, relay and fitting kit. 117DBA

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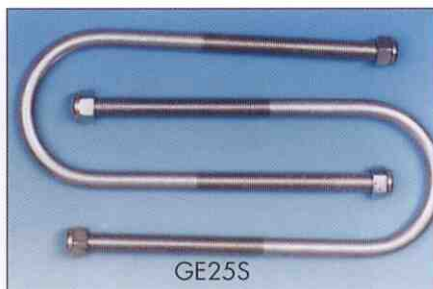
### ▲ GE7 COIL SPRING CLAMPS

Coil Spring Clamps can be used to either raise or lower the suspension on vehicles with coil springs. 1 pack fits 1 coil spring.



### ▲ EXTRA LONG FORD U BOLTS WITH NYLOC NUTS.

- GE25** Ford - Standard length + 50mm  
Supplied in Pairs.
- GE25S** Loose U Bolt with 2 nuts.



GE25S



### ▲ SUSPENSION LOWERING KITS.

Improve road holding and stability. For race, rally and road use. Suitable for cars which have axle on top of leaf spring.

- GE20** Ford 1" lowering kit 25mm  
**GE21** Ford 1 1/2" lowering kit 37mm  
**GE21A** Ford 1 1/2" lowering kit RS2000 MkII 37mm  
**GE22** Ford 2" lowering kit 50mm



### ▲ GE940 NUMBER PLATE SURROUND

Fits UK number plates and some EEC ones. Made from ABS plastic chrome plated. Packed and sold individually.

# GRAYSTON®

## GENERAL ACCESSORIES



### ▲ GE16 COMFI-CLIP

Relieves seat belt tension, allows movement without readjusting. Suitable for all types of inertia reel safety belts. When used with seat belts which have no height adjustment, Comfi-Clips help to stop the belt rubbing against the neck. An inexpensive clip which is very effective.

Available in black only. Illustrated in yellow to show position.



### ▲ PEN & PENCIL SPRING CLIPS

Carbon spring steel, nickel plated expanding clips for pocket, racing overalls and clip boards.

- GE991** Single **GE992** Double **GE993** Treble

## PRACTICAL ACCESSORIES





### ▲ **GE330 AUXILIARY LIGHTING AND ACCESSORY WIRING KIT 30amp rating** Kit Contains:

- 1x 4pin relay 12 volts 30amp.
- 2 metres red cable fitted with inline blade fuse holder and 15amp fuse.
- 1.5 metres blue cable fitted with a 6.3mm insulated piggy back terminal.
- 2 metres blue cable fitted with a 6.3mm female insulated terminal.
- 24cm black cable fitted with female insulated terminal and a ring terminal.
- 2 metres green cable fitted with 6.3mm female terminal.



### ▲ **GE95 EASY TURN STEERING WHEEL KNOB.**

Grayston easy turn steering knob makes turning the steering wheel much easier, especially when parking with no power steering. Suitable for cars, trucks, boats and disabled drivers. Fits most types of steering wheel.



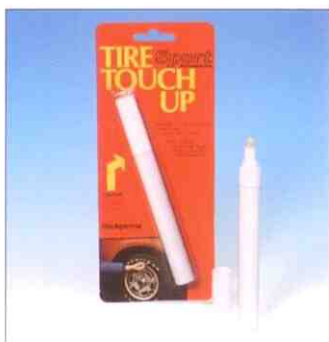
### ▲ **GE914 CIGARETTE LIGHTER CUT-OFF KEY**

Cigarette lighter that makes your car look like rally car with battery cut-off switch fitted.



### ▲ **GE115 ALLOY DOOR HANDLE,**

Lightweight, Universal fit door handle, Black finish, Supplied in pairs.



### ▲ **GE1 WHITE PEN TYRE MARKER**

Tyre paint pen for tyre decoration, or marking tyres for race or rally use. Quick drying, wash proof and permanent.

### ▲ **GE92 TYRE PRESSURE GAUGE**

Professional tyre pressure gauge very accurate, manufactured to 'TUV' approval standard. Metal case to give shockproof and vibration resistance. Has bleed button to release inner pressure on gauge after use. Gauge dial has easy to read P.S.I. 0-60 and bar 0-4 markings. Supplied in polycarbonate case for extra protection.



## GENERAL ACCESSORIES



### ▲ **UNIVERSAL L.E.D. INDICATOR REPEATER LIGHTS**

- GE797** Oval universal L.E.D. repeater light. 7 clear L.E.D. which shows amber when lit. Self adhesive fixing.
- GE798** Triangular universal L.E.D. repeater light. 6 clear L.E.D. which shows amber when lit. Self adhesive fixing.



### ▲ **GE30 EXHAUST PLATE**

Polished stainless steel exhaust plate, self-adhesive fixing.

Protect your bodywork and add a stylish addition to the exhaust area of your vehicle. Self adhesive no drilling.

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# GRAYSTON®

## PARTS AND ACCESSORIES FOR MINI



### ▲ LIGHTING RANGE FOR MINI

**GE78** Mini clear side indicator 1986-2000 'E' Marked  
**GE781** BMW Mini clear side indicator 2001 - ON  
**GE79** Mini repeater light amber 1978-1981  
**GE80** Mini o/e indicator light amber 1986-1997  
**GE80L** Mini o/e indicator light amber lens 1986-1997  
**GE81** Mini o/e front light clear pre 1986  
**GE81L** Mini o/e front light clear lens pre 1986

**GE82** Mini o/e indicator light amber pre 1986  
**GE82L** Mini o/e indicator light amber lens pre 1986  
**GE83** Mini o/e stop-tail light red  
**GE83L** Mini o/e stop-tail light red lens  
**GE83/81L** Mini o/e stop-tail light clear lens pre 1986  
**GE84** Mini o/e indicator light clear 1997-2000  
**GE84L** Mini o/e indicator light clear lens 1986-1997



### ▲ ROCKER COVER 'T' BARS AND WASHER KIT FOR MINI

**GE89** Chrome plated Mini rocker cover 'T' bars to replace standard nuts for quick release supplied in pairs.

**GE90** Chromed washer kit to fit rocker cover 'T' bars, Supplied in pairs. Includes 4 chrome washers and 2 rubber washers.



### ▲ GE67 BLACK LEATHER BONNET STRAPS

Supplied in pairs suitable for mini's etc. As used by vintage and historic racers.



### ▲ GENERAL LIGHTING

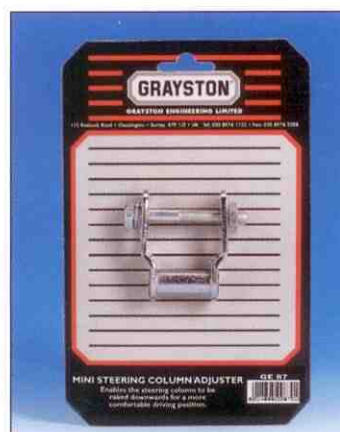
**GE75** Interior light 3 1/2" dia  
**GE77A** Repeater light amber  
**GE77C** Repeater light clear  
**GE77R** Repeater light red  
**GE85** Chrome number plate light  
**GE85B** Black number plate light



### ▲ COLOURED SIDE REPEATER LENS (FOR MINI)

Side indicator repeater lens for Mini. Supplied without bulb. Not 'E' - marked, 1986 onwards.

**GE78A** Amber  
**GE78B** Blue  
**GE78S** Smoke  
**GE78R** Red



### ▲ GE87 STEERING COLUMN ADJUSTER FOR MINI

Enables the steering column to be raked downwards for more comfortable driving position. Chrome plated.

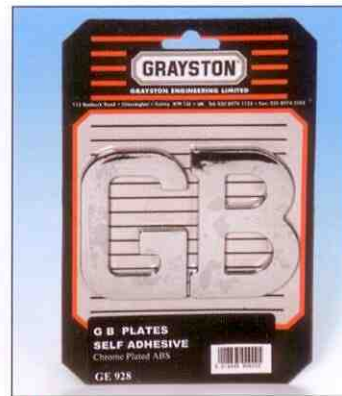
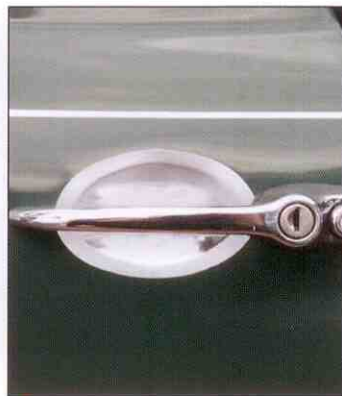


### ▲ GE91 WIPER ARM HOLE PLUGS FOR MINI

Stainless steel wiper arm hole plugs, replaces black rubber plug as fitted by factory. Supplied in pairs.

## STYLISH AND PRACTICAL MINI ACCESSORIES





**▲ HEADLAMP STONEGUARDS**  
**GE918** Protect your headlamps with these 7" dia headlamp stoneguards. **Stainless Steel.** Wire mesh with fixing clips. 1 pair.



**▲ GE915 HEADLAMP PEAKS**  
 7" Headlamp peaks Stainless steel supplied in pairs



**▲ GE916 HEADLAMP RINGS**  
 7" Headlamp chrome plated surround supplied each.



**▲ 13mm BREATHER FILTER VENTS. (FOR MINI)**  
 Looks good and helps your engine to breath correctly so improving efficiency.  
**GE932** Chrome finish **GE933** Blue finish **GE934** Red finish



**▲ GE930 MINI NUMBER PLATE LIGHT SURROUND**  
 Chrome plated mazak die casting. Fits Mk III pre BMW minis.



**▲ GE920 TWIN WASHER JET**  
 Chrome plated brass twin washer jets, adjustable jets, nut fixing.



**▲ GE925 MINI BOOT HINGES**  
 Chrome plated mazak die castings with fitting kit. Fits all pre BMW minis.  
**GE926 MINI BOOT HINGES**  
 Mini boot hinges with plain finish. Ideal for painting



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**Coil Spring Assisters are necessary because most standard car springs are designed for the comfort of the passengers and are not strong enough to take the extra loading of towing and heavy weights carried in the boot.**

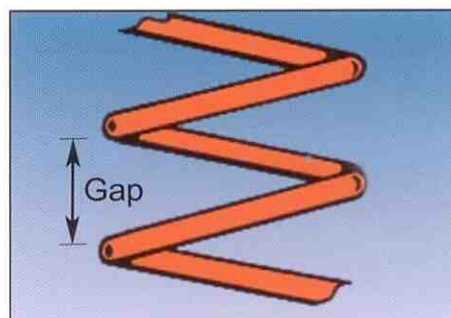
GRAYSTON Coil Spring Assisters and Raisers are manufactured in a hard rubber compound and can be fitted by the average DIY motorist without special tools. They are progressive in operation and are available in four sizes

- GE13** to suit 18 to 25mm gap
- GE14** to suit 26 to 38mm gap
- GE15** to suit 39 to 51mm gap
- GE15A** to suit 51 to 65 mm gap

**SEE FOLLOWING FITMENT CHART FOR AVAILABILITY**

## GRAYSTON®

### COIL SPRING AND AUXILIARY SPRING ASSISTERS



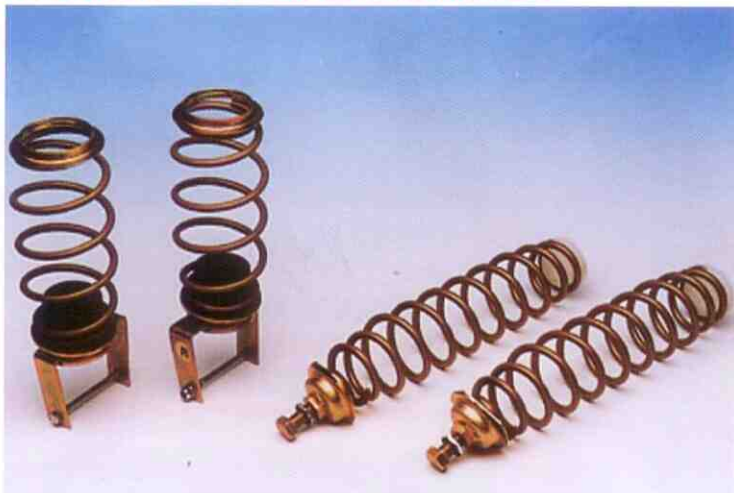
#### NOTE

Most vehicles are listed in our fitment Application list on the following pages. For vehicles not listed the part number required is determined by the measurement of the gap between the coils (daylight) approximately halfway down the spring, when the vehicle is jacked up by the body until the wheel is clear of the ground.

**To update the rear suspension of cars, estates and light vans for towing caravans, trailers and vehicles carrying heavy loads.**  
**[www.springassisters.co.uk](http://www.springassisters.co.uk)**



## AUXILIARY SPRING ASSISTERS



GRAYSTON Auxiliary Spring Assistors have been developed for use on cars, off road vehicles, vans, motor homes for towing, carrying heavy loads or LPG installations. GRAYSTON Spring Assistors are designed to suit vehicles with all types of suspension specifically cars with torsion bars, and when fitted keep the original driving comfort when the vehicle is unloaded, but also allow the vehicle to be driven in comfort and safety when it is subjected to constant and heavy load conditions. GRAYSTON Spring Assistors are designed to set the spring rate of the vehicle to approximately 30% higher than the original.

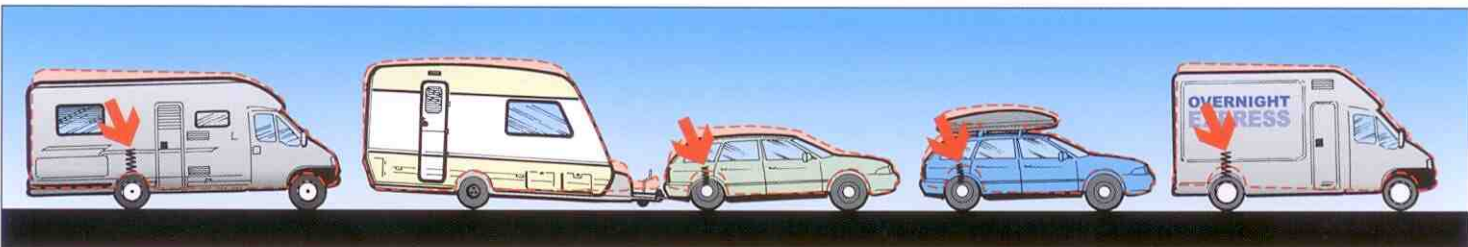
GRAYSTON Pro Replacement Springs are progressive springs with a hard wearing and oil resistant rubber sleeve fitted. They give a 10% - 50% increase in spring rate, which automatically rises with increasing load. With these Pro springs fitted the vehicle retains its normal ride and keeps its original height when unloaded. Even when fully loaded the Pro Spring depress very little from the normal ride height.

All springs are heat treated, shot peened and sprayed with epoxy powder coating to protect against impact, salt, and corrosion.

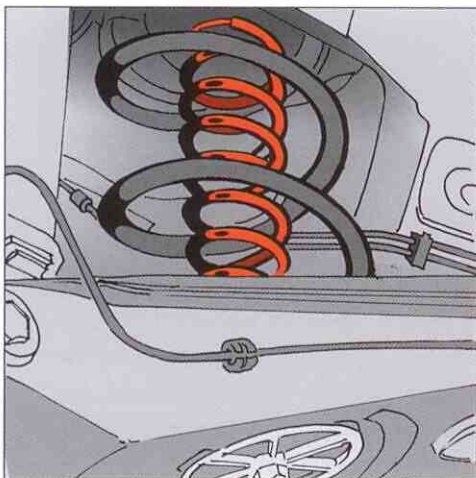
All GRAYSTON kits are designed with the DIY motorist in mind. The system of fitting varies dependant on the suspension design. See system types below.



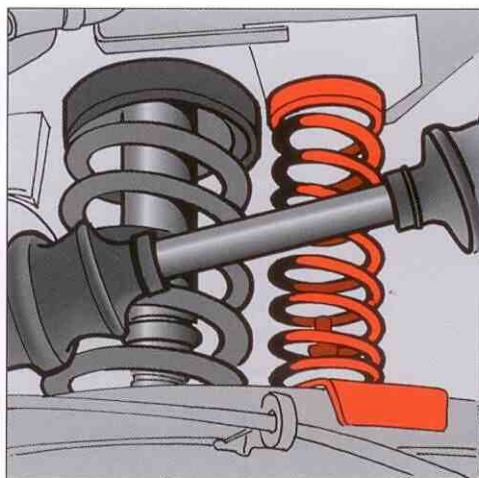
**Pro Kits** – Heavy duty progressive replacement springs



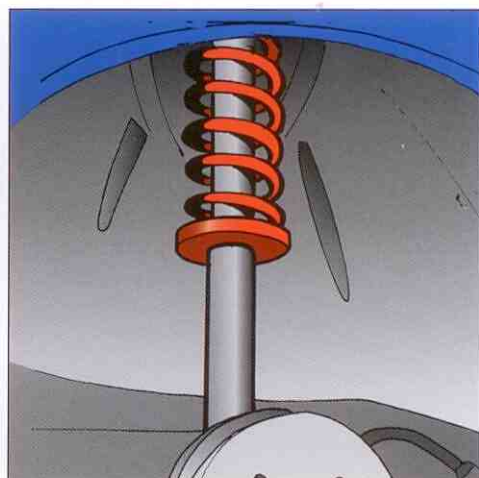
GRAYSTON Auxiliary Spring Assistors are available in four systems as shown.  
SEE FOLLOWING FITMENT CHART FOR AVAILABILITY – EXAMPLE OF PART NUMBER FOR **S KIT** – 80S860



**C Kits** – To fit inside original spring



**A&B Kits** – To fit between the rear axle/suspension and chassis/bump stops.



**S Kits** – Fitted around the existing shock absorber

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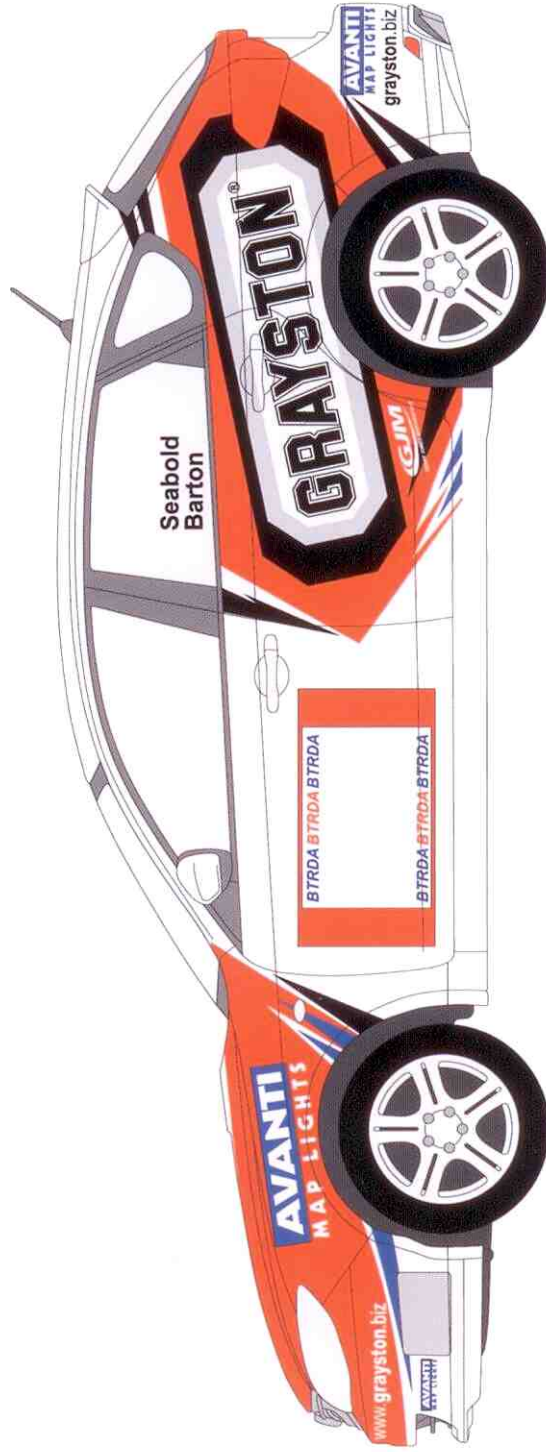
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