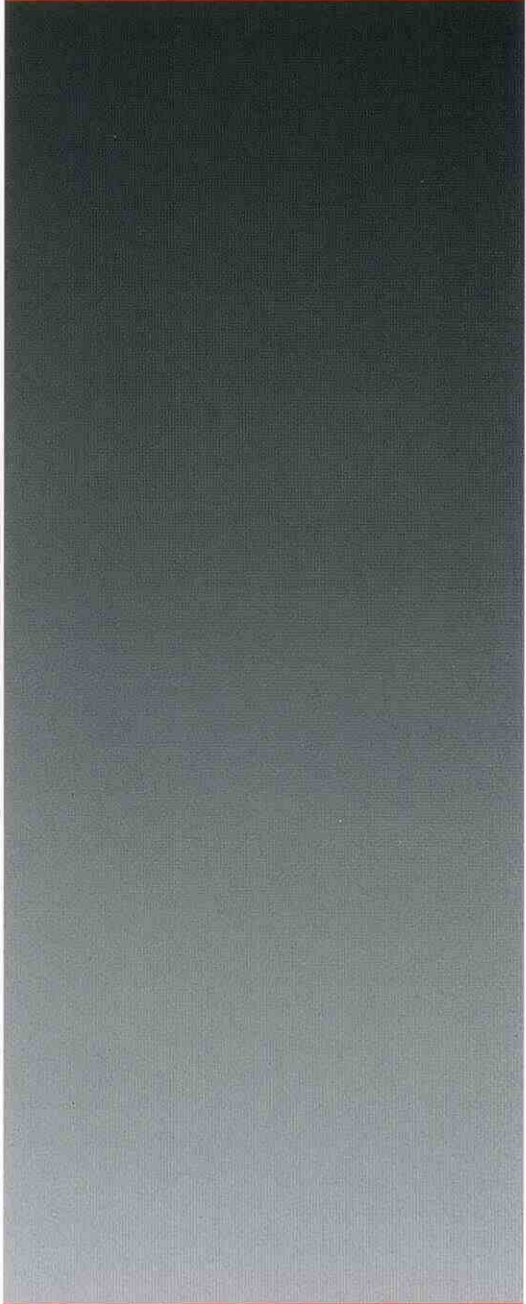


GRAYSTON[®]



Manufacturers of motorsport and performance parts

Page 1 Index.

Page 2 Foreword, Nuts, Bolts, Studs, Spacers.

Page 3 Standard wheel spacers & Shims.

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 Competition Bonnet Pins, Quick Release Bonnet Pins & Boot Springs.

Page 16 Competition Steady Bars, Pedal Pads, Bonnet/Boot Lock & Rubber Hooks.

Page 17 'T' Pull Cables, Toggle fasteners & Battery Isolater Switches.

Page 18 Motor Sport Switches & Starter Panels.

Page 19 Aircraft Switch Covers, Toggle Switches fitted with aircraft covers & Competition Seat belt fittings.

Page 20 Carbon Film, Tyre Pressure Gauges, Dzus Fasteners, Competition Numbers & Rally mud flaps.

Page 21 Tank tape, Aluminium Foil Tape, Fuse Boxes, Exhaust Plate, Steering knob & blow fuses.

Page 22 Avanti map Lights.

Page 23 Coil Spring Clamps, U-Bolts, Ford Lowering Kits, Comfi-Clips, Number Plate Surround & Pen/pencil clips.

Page 24 Auxiliary Lighting Wiring Kit, LED Repeater Lights, Trailer Coupling Lock, Tyre Pen.

Page 25 Parts & Accessories for Mini.

Page 26 Parts & Accessories for Mini continued.

Page 27 Coil Spring Assisters - Rubber Type.

Page 28 Coil Spring Assisters, Spring type.

Page 29 Terms & Conditions.

Page 30-44 Price List.

Page 45-58 Spring Assister Application List.





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 NUTS
O/E and after market fitments.

WHEEL SPACERS
From 3mm to 32mm Thick 3-4-5-6 Stud patterns



GRAYSTON ENGINEERING LIMITED
115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.
TELEPHONE: 020 8974 1122 FAX: 020 8974 2288
www.grayston.biz Email: sales@grayston.biz



GRAYSTON®

WHEEL SHIMS AND SPACERS

STANDARD WHEEL SHIMS AND SPACERS

3mm thick 3 hole 98mm PCD
Citroen AX Saxo, Peugeot 106

Part No. SP10



3mm thick Uni 4 and 5 hole PCD 95mm to 121mm
5mm thick Uni 4 and 5 hole PCD 95mm to 121mm
Pressure die cast in aluminium made to close tolerances

Part No. SP11
Part No. SP12



6mm thick Uni 4 hole PCD 95mm to 114mm
10mm thick Uni 4 hole PCD 95mm to 114mm
19mm thick Uni 4 hole PCD 95mm to 114mm
25mm thick Uni 4 hole PCD 95mm to 114mm
Pressure die cast in aluminium made to close tolerances

Part No. SP13
Part No. SP17
Part No. SP18
Part No. SP19



6mm thick Uni 5 hole PCD 95mm to 120mm
10mm thick Uni 5 hole PCD 95mm to 130mm
20mm thick Uni 5 hole PCD 95mm to 130mm
Pressure die cast in aluminium made to close tolerances

Part No. SP14
Part No. SP15
Part No. SP16



5mm thick 5 and 6 hole 5.5"/139mm PCD,
4x4 off road vehicles
10mm thick 5 and 6 hole 5.5"/139mm PCD,
4x4 off road vehicles
Pressure die cast in aluminium made to close tolerances

Part No. SP16-5
Part No. SP16-10



SKIN PACKED IN PAIRS -

3mm 98mm PCD - 3 Hole Spacer Shim
3mm Universal PCD - 4 & 5 Hole Spacer Shim
5mm Universal PCD - 4 & 5 Hole Spacer Shim
6mm Universal PCD - 4 Hole Spacer Shim
6mm Universal PCD - 5 Hole Spacer Shim
10mm Universal PCD - 5 Hole Spacer Plate
20mm Universal PCD - 5 Hole Spacer Plate
10mm Universal PCD - 4 Hole Spacer Plate
19mm Universal PCD - 4 Hole Spacer Plate

Part No. SP10P
Part No. SP11P
Part No. SP12P
Part No. SP13P
Part No. SP14P
Part No. SP15P
Part No. SP16P
Part No. SP17P
Part No. SP18P



GRAYSTON ENGINEERING LIMITED
115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.
TELEPHONE: 020 8974 1122 FAX: 020 8974 2288
www.grayston.biz Email: sales@grayston.biz

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
VW Beetle	4 hole spacer kit 14mm 1.5 longer bolts	Part No. SP38
VW Beetle	5 hole spacer kit 12mm 1.5 longer bolts	Part No. SP39

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

GRAYSTON ENGINEERING LIMITED

115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.
TELEPHONE: 020 8974 1122 FAX: 020 8974 2288
www.grayston.biz Email: sales@grayston.biz

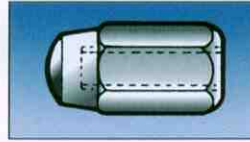
WHEEL NUTS

GRAYSTON®

WHEEL NUTS

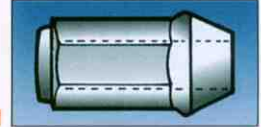
Dome Nuts - chrome plated

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
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



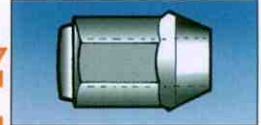
Bulge Dome Nuts - chrome plated

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



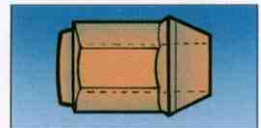
Bulge Dome Nuts - Zinc Plated

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



Bulge Dome Nuts - Coloured Finish

3/8" unf	0.68" HEX	Red	60°	Part No. SNR11B
12mm 1.5	19mm HEX	Blue	60°	Part No. SNB14B
12mm 1.5	19mm HEX	Red	60°	Part No. SNR14B



Variable P.C. DIA Bulge Nuts

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

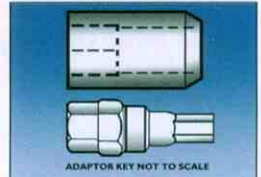


Round Chrome Nuts - 12mm Internal HEX

12mm 1.5	Round 19mm dia chrome nut	60°	Part No. SNHR14
12mm 1.25	Round 19mm dia chrome nut	60°	Part No. SNHR15

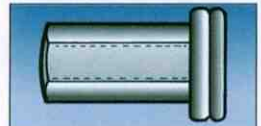
Adaptor Key for above - 12mm HEX to 17/19mm HEX

Part No. SA12



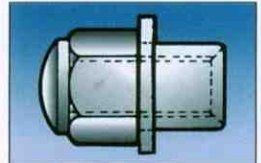
Peugeot nuts - zinc plated

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



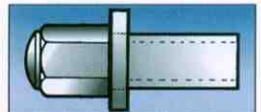
Sleeve nuts with flat washers - chrome plated

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
12mm 1.5	GP4 SLEEVE	21mm HEX	Open End Sleeve Nut		Part No. SN39



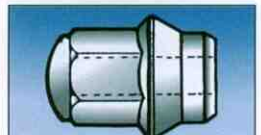
Revolution and Mamba sleeve nuts with flat washers

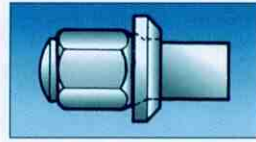
3/8" unf	11/16" shank sleeve nut	Revolution	Part No. SN27
3/8" unf	9/16" shank sleeve nut	Revolution/Mamba	Part No. SN28
7/16" unf	11/16" shank sleeve nut	Revolution	Part No. SN29
12mm 1.5	11/16" shank sleeve nut	Revolution	Part No. SN30



Original equipment type nuts for alloy wheels

14mm 1.5	Range Rover 02-05, Black Finish	Part No. SN37
14mm 1.5	Range Rover 06-07, Range Rover Sport, Discovery 04-07, 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





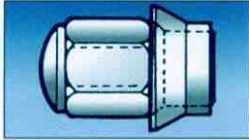
Wolfrace sleeve nuts with 30° taper washers		
3/8" unf	41/64"	shank sleeve nut & washer
1/2" unf	11/16"	shank sleeve nut & washer
12mm 1.5	41/64"	shank sleeve nut & washer
12mm 1.25	41/64"	shank sleeve nut & washer
12mm 1.5	11/16"	shank sleeve nut & washer
7/16" unf	11/16"	shank sleeve nut & washer
7/16" 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



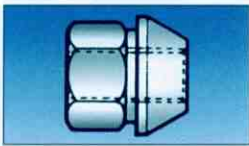
Ford Ghia open nuts – zinc plated
12mm 1.5 Sleeve nut with 60° Ghia washer

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

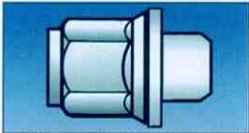
3/8" unf	17mm (68")	HEX	60°
12mm 1.5	19mm (3/4")	HEX	60°
12mm 1.5	19mm (3/4")	HEX	Radius Nut
12mm 1.5	21mm	HEX	60°
12mm 1.25	19mm (3/4")	HEX	60°
12mm 1.25	21mm	HEX	60°
14mm 1.5	19mm (3/4")	HEX	60°
12mm 1.75	19mm (3/4")	HEX	60°
1/2" unf	19mm (3/4")	HEX	60°

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

Open nuts – chrome plated

12mm 1.5	19mm (3/4")	HEX	60°
12mm 1.25	19mm (3/4")	HEX	60°

Part No. SN41CHR
Part No. SN43CHR



Mitsubishi and Toyota/Lexus Chrome O/E Sleeve Nuts
12mm 1.5 18.4mm Shank 12mm Long Sleeve Nut and Flat Washer

Part No. SN64

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 32mm	67mm long	15.0mm spline diameter
--------------------	-----------	------------------------

Part No. SS43
Part No. SS44

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

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

TELEPHONE: 020 8974 1122 FAX: 020 8974 2288

www.grayston.biz Email: sales@grayston.biz

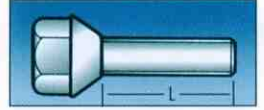
WHEEL BOLTS - High Tensile/zinc plated - continued

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°	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	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
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.

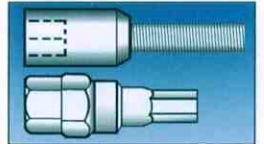


* (Variable P.C.D. 98/100mm)

Round Chrome Bolts - !2mm Internal Hex

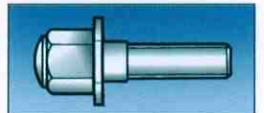
12mm	1.5	60°	28mm long	Round 19mm dia Chrome Bolt	Part No.SBHR11
12mm	1.25	60°	28mm long	Round 19mm dia Chrome Bolt	Part No.SBHR21
14mm	1.5	60°	28mm long	Round 19mm dia Chrome Bolt	Part No.SBHR34

Adaptor Key for above 12mm Hex to 17/19mm HEX Part No.SA12



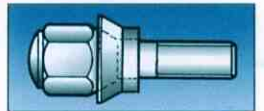
Peugeot - GTI Wheel Bolts - Zinc Plated

12mm	1.25	19mm	35mm long with flat washer	Part No. SB29
12mm	1.5	19mm	35mm long to fit Peugeot wheels onto ford cars	Part No. SB30



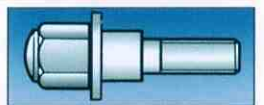
Ford Ghia Wheel Bolts - Zinc Plated

12mm	1.5 with 60° Ghia washer	19mm HEX	Part No. SB31
------	--------------------------	----------	---------------



Sleeve Bolts - Chrome Plated

12mm	1.5	Flat seating with washer	19mm HEX	5/8" shank	Part No. SB41
12mm	1.25	Flat seating with washer	19mm HEX	5/8" shank	Part No. SB42
14mm	1.5	Flat seating with washer	19mm HEX	5/8" shank	Part No. SB43

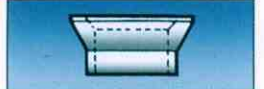


WASHERS zinc plated

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)	Part No. SW10
5/8" bore	3/4" sleeve (OD)	Part No. SW12



Flat sleeve washer	3mm thick	5/8" bore	Part No. SW13
Flat sleeve washer	6mm thick	5/8" bore	Part No. SW13T
Flat sleeve washer	6mm thick	3/4" bore	Part No. SW14



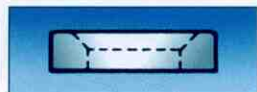
Flat to taper sleeve washer	5/8" bore (wolfrace seating)	Part No. SW15
Flat to taper sleeve washer	3/4" bore (wolfrace seating)	Part No. SW16



GRAYSTON ENGINEERING LIMITED

115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.
TELEPHONE: 020 8974 1122 FAX: 020 8974 2288
www.grayston.biz Email: sales@grayston.biz

WHEEL WASHERS AND STUDDING



Taper to flat
Taper to flat
Taper to flat

5/8" bore
3/4" bore
11/16" bore

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



Wolfrace washer - taper to taper
Wolfrace washer - taper to taper

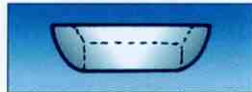
11/16" bore
41/64" bore

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 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°

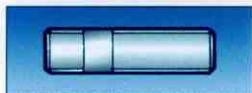
Part No. SW28
Part No. SW28V
Part No. SW30
Part No. SW30/15
Part No. SW30/16
Part No. SW30/17



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

Part No. SW50

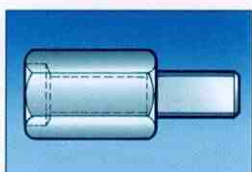
CONVERSION STUDDING - Zinc plated



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 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

GRAYSTON ENGINEERING LIMITED

115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.
TELEPHONE: 020 8974 1122 FAX: 020 8974 2288
www.grayston.biz Email: sales@grayston.biz

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	Head Dia
TLN14	Nut	12mm x 1.5	-	60°	19mm
TLN15	Nut	12mm x 1.25	-	60°	19mm
TLB11	Bolt	12mm x 1.5	28mm	60°	19mm
TLB21	Bolt	12mm x 1.25	28mm	60°	19mm



Tuner Locks Fitment Guide

Vehicle Make and Model	Thread and Type	Part Number
ALFA ROMEO All models	{ 12mm x 1.25 60° Bolt	TLB21
BMW All models Bolt Fitting	{ 12mm x 1.5 60° Bolt	TLB11
CHRYSLER Neon, Voyager, PT Cruiser	{ 12mm x 1.5 60° Nut	TLN14
CITROEN All models	{ 12mm x 1.25 60° Bolt	TLB21
DAEWOO Leganza, Tacuma	{ 12mm x 1.5 60° Nut	TLN14
Matiz	{ 12mm x 1.25 60° Nut	TLN15
FIAT Croma, X19, Panda, Tipo, Uno, Cinquecento, Brava, Punto, Palio, Stilo, Multipla	{ 12mm x 1.25 60° Bolt	TLB21
FORD 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
HYUNDAI All models	{ 12mm x 1.5 60° Nut	TLN14

Vehicle Make and Model	Thread and Type	Part Number
KIA All models	{ 12mm x 1.5 60° Nut	TLN14
LEXUS IS200, GS300, LS400	{ 12mm x 1.5 60° Nut	TLN14
MAZDA All models Nut fitting	{ 12mm x 1.5 60° Nut	TLN14
MINI (BMW) All models	{ 12mm x 1.5 60° Bolt	TLB11
MITSUBISHI All models	{ 12mm x 1.5 60° Nut	TLN14
NISSAN All models	{ 12mm x 1.25 60° Nut	TLN15
OPEL All models	{ 12mm x 1.5 60° Bolt	TLB11
PEUGEOT All models	{ 12mm x 1.25 60° Bolt	TLB21
PROTON All models	{ 12mm x 1.5 60° Nut	TLN14
RENAULT All models with 12mm x 1.5 bolts	{ 12mm x 1.5 60° Bolt	TLB11
SUBARU All models	{ 12mm x 1.25 60° Nut	TLN15
TOYOTA All models	{ 12mm x 1.5 60° Nut	TLN14
VAUXHALL 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 four colours red, blue, gold and silver. Designed to give your alloy wheel that final professional finish. Supplied in sets of four.

GE10B Blue
GE10G Gold
GE10R Red
GE10S Silver

ALUMINIUM COMPETITION WHEEL NUTS.

Grayston Aluminium Wheel nuts are manufactured from high tensile aluminum, 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 three colours red, blue, gold.

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

CLOSED HEAD

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.
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

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.
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.

GRAYSTON®

GRAYSTON ENGINEERING LIMITED
115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.
TELEPHONE: 020 8974 1122 FAX: 020 8974 2288
www.grayston.biz Email: sales@grayston.biz

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
ALFA ROMEO 33, Arna, Boxer, 145, 146, 155, 156, 164, GTV, Spider, 166, 147	12mm x 1.25 60° Bolt	LB122	LB113	FORD (Cont) Escort Cosworth, Sierra Cosworth, Sierra XR4i & XR4x4, Mondeo, Scorpio, Ka, Puma, Focus, Cougar	12mm x 1.5 60° Nut	LN110	LN109
AUDI 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
BMW 1502, 2002 Tii, 2500, 3.3, 2800 CS, 3.0 CSI, Series 5/1→'76	12mm x 1.5 60° Nut	LN110	LN110	Maverick	12mm x 1.25 60° Nut	LN103	LN103
3 Series, Compact, 5 Series, 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	14mm x 1.5 60° Bolt	LB134	LB134	HONDA Civic, Shuttle, Concerto, CRX, Aerodeck, Prelude, NSX, Legend, Accord, Ballade, Integra, S2000	12mm x 1.5 Radius Nut	LN104	LN104
CHRYSLER Neon, Voyager, PT Cruiser	12mm x 1.5 60° Nut	LN110	LN110	CRV	12mm x 1.5 Radius Nut	-	LN104/5-L
Cherokee, Grand Cherokee	1/2" UNF 60° Nut	LN101	LN101	HYUNDAI Pony, Stellar, S Coupé, Accent, Lantra, Sonata, Matrix, Trajet, Santa Fe	12mm x 1.5 60° Nut	LN110	LN110
Jeep, Wrangler	1/2" UNF 60° Nut	LN101/5	LN101/5	KIA Mentor, Sportage, Sephia, Magentis, Sedona, Carenz, Mentor	60° Nut 12mm x 1.5	LN110	LN110
CITROËN BX, CX, ZX, Visa, Xantia	12mm x 1.25 60° Bolt	LB122	LB127	Pride	12mm x 1.5 60° Bolt	LB117	LB117
XM, Saxo, Xsara, Picasso, C5, C3 Berlingo	12mm x 1.25 Bolt	LB122	LB127	LAND ROVER Discovery 93-98	16mm x 1.5 Flat Nut	-	LN148/5
Evasion, Synergie	14mm x 1.5 60° Bolt	LB114	LB114	Discovery 98-04	14mm x 1.5 Flat Nut	-	LN149/5
DAEWOO Nexia, Espero, Lanos, Nubira,	12mm x 1.5 60° Bolt	LB117	LB117	Range Rover →93	16mm x 1.5 Flat Nut	-	LN148/5
Leganza, Tacuma	12mm x 1.5 60° Nut	LN110	LN110	Range Rover 93-02	14mm x 1.5 Flat Nut	-	LN149/5
Matiz	12mm x 1.25 60° Nut	LN103	LN103	Range Rover 02-05	14mm x 1.5 Flat Nut	-	LN137
Musso, Korando	12mm x 1.5 60° Nut	LN110/5	LN110/5	Range Rover 05 → Range Rover Sport Discovery 04 →	14mm x 1.5 Flat Nut	-	LN138
DAIHATSU Mira, Applause, Charade, Cuore, Move, Sirion	12mm x 1.5 60° Nut	LN110	LN110	Defender 90/110	16mm x 1.5 Flat Nut	-	LN148/5
Fourtrak, Sportrak	12mm x 1.5 60° Nut	LN110/5	LN110/5	Freelander	12mm x 1.5 Radius Nut	-	LN104/5-L
FERRARI 308, 328, 348, 512, F40, 550, Testarossa, 355, 456	14mm x 1.5 60° Bolt	-	LB162	LADA Riva, Samara	12mm x 1.25 60° Bolt	LB122	LB113
FIAT Ritmo, Regata, Croma, X1.9, Panda, Tipo, Uno, Fiorino, Tempra, Cinquecento, Barchetta, Bravo, Brava, Punto, Marea, Palio, Weekend, Stilo, Multipla	12mm x 1.25 60° Bolt	LB122	LB113	Niva, Cossack	12mm x 1.25 60° Nut	LN103	LN103
Ulysse	14mm x 1.5 60° Bolt	LB114	LB114	LANCIA Y10, Delta, Prisma, Dedra, Thema	12mm x 1.25 60° Bolt	LB113	LB113
FORD Zephyr, Zodiac, Anglia, Corsair, Escort Mk1, Cortina Mk1 & 2, Capri Mk1	7/16" UNF 60° Nut	LN102	LN102	Fulvia, Gamma, Integrale, Zeta	14mm x 1.5 60° Bolt	LB114	LB114
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	LEXUS IS 200, GS300, LS400	12mm x 1.5 Nut	LN110	LN169/5
				MAZDA 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
				MERCEDES 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	14mm x 1.5 Radius Bolt	LB119	LB119
				M.L., SL500/55 '01 →	14mm x 1.5 Radius Bolt	LB116	LB116

Fitment Guide

Technical Specifications on back.



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
M.G. MGTF, MGZR, MGZS	{ 12mm x 1.5 60° Nut	LN109	LN109	SEAT Ibiza →'94, Malaga →'94, Marbella, Ronda 4 Hole fixings	{ 12mm x 1.25 60° Bolt	LB122	LB113
MGZT, MGZT-T		LB134	LB134			Ibiza '94 →, Malaga '94 →, Toledo, Cordoba, Arosa 5 Hole fixings, All models.	LB115
MINI (BMW) All models	{ 12mm x 1.5 60° Bolt	LB112	LB112	SKODA Estelle, Rapid, Coupé	{ 12mm x 1.5 Radius Nut		LN104
MITSUBISHI 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			Favorit →'93	{ 12mm x 1.25 60° Bolt
Shogun, Pajero, Pinnin	{ 12mm x 1.5 Nut	LN110	LN169/5	Favorit '93 →, Felicia	{ 12mm x 1.5 Radius Bolt		
NISSAN Micra, Stanza, Cherry, Sunny, NX Coupé, Prairie, Serena, Bluebird, Primera, 200SX, Maxima, 300ZX, Almera	{ 12mm x 1.25 60° Nut	LN103	LN103			Octavia, Fabia, Superb	{ 14mm x 1.5 Radius Bolt
Terrano, Patrol,	{ 12mm x 1.25 60° Nut	LN103/5	LN103/5	SMART Smart	{ 12mm x 1.5 Radius Bolt		
OPEL Ascona A & B, Commodore, Kadett C, Manta, Monza, Rekord, Senator A	{ 12mm x 1.25 60° Nut	LN110	LN110	SUBARU Vivio, Justy, Legacy, Impreza, Forester	{ 12mm x 1.25 60° Nut	LN103	LN103
Ascona C, Kadett D & E, Senator B, Astra, Corsa, Omega, Tigra, Vectra	{ 12mm x 1.5 60° Bolt	LB117	LB117			SUZUKI Alto, Baleno Swift →2004 Swift 2005→	{ 12mm x 1.25 60°
PEUGEOT 106, 205, 206, 305, 306, 307, 309, 405,605, 406, 406 Coupé, 607	{ 12mm x 1.25 Bolt	LB122	LB127	Swift 2005→	{ 12mm x 1.5 60° Bolt		
806	{ 14mm x 1.5 60° Bolt	LB114	LB114			SJ410, SJ413, Vitara,	{ 12mm x 1.25 60°
PORSCHE 911, 912, 924, 924 Turbo, 924S, 928, 930, 944, 948, 968, 993,	{ 14mm x 1.5 Radius Nut	LN164	LN164	TOYOTA Starlet, Corolla, Carina, Previa, Camry, MR2, Celica, Supra, Paseo, Avensis, Yaris	{ 12mm x 1.5 Nut		
914/4, 924 →'84, Boxster, 996	{ 14mm x 1.5 Radius Bolt	LB167	LB167			Land Cruiser, 4 Runner, Rav 4,	{ 12mm x 1.5 Flat Nut
PROTON 1.3, 1.5, Persona, Compact	{ 12mm x 1.5 60° Nut	LN110	LN110	VAUXHALL Chevette, Ventora, Firenza, Carlton →'87, Cavalier →'92	{ 12mm x 1.5 60° Nut		
RENAULT 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			Nova, Astra, Carlton '87→, Senator '87→, Cavalier '82→, Belmont, Corsa, Tigra, Omega, Calibra, Vectra, Astra New Shape Zafira	{ 12mm x 1.5 60° Bolt
All below with ABS, Turbo & V6 R25, Espace, Safrane, Laguna, Spider Avantime, Velsatis	{ 14mm x 1.5 60° Bolt	LB114	LB114	Frontera,	{ 12mm x 1.5 60° Nut		
ROVER Mini (up to 2000)	{ 3/8" UNF 60° Seat	LN105	LN105			Monteray	{ 12mm x 1.5 Flat Nut
Maestro, Montego	{ 12mm x 1.5 60° Nut	LN110	LN110	VOLKSWAGEN All 4 Hole Wheel Fixings Golf, Polo, Derby, Jetta, Passat, Scirocco, Vento, Corrado	{ 12mm x 1.5 Radius Bolt		
Metro, 100, 200, 400, 600, 800	{ 12mm x 1.5 Radius Nut	LN104	LN104			All 5 Hole Wheel Fixings Vento, Corrado, Passat, Golf, Bora	{ 14mm x 1.5 Radius Bolt
25, 45	{ 12mm x 1.5 60° Nut	LN109	LN109	Beetle 2000 →, Sharan	{ 14mm x 1.5 Radius Bolt		
75, 75 Tourer	{ 14mm x 1.5 60° Bolt	LB134	LB134			VOLVO 240, 244, 245, 260, 265	{ 1/2" UNF 60° Nut
SAAB 900 '88→'93, 9000 Series,	{ 14mm x 1.5 60° Bolt	LB114	LB114	340, 343, 345, 360	{ 12mm x 1.25 60° Nut		
900 '93→, 9.5, 9.3	{ 12mm x 1.5 60° Bolt	LB117	LB117			440, 460, 480	{ 12mm x 1.25 60° Bolt
				740, 760, 780, 940, 950, 960, S40, V40, S90, V90, S70, V70, →'01	{ 12mm x 1.5 60° Nut		
						850, C70, S70, V70 '01→	{ 12mm x 1.75 60° Bolt
				850, XC90	{ 14mm x 1.5 60° Bolt		

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
CHRYSLER Jeep, Wrangler	{ 1/2" UNF 60° Nut	LN101/5
DAEWOO Musso, Korando	{ 12mm x 1.5 60° Nut	LN110/5
DAIHATSU Fourtrak, Sportrak	{ 12mm x 1.5 60° Nut	LN110/5
FORD Maverick	{ 12mm x 1.25 60° Nut	LN103/5
HONDA CRV	{ 12mm x 1.5 Radius Nut	LN104/5-L
ISUZU Trooper	{ 12mm x 1.5 60° Nut	LN110/5
LANDROVER 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	{ 12mm x 1.5 Radius Nut	LN104/5-L
MITSUBISHI Shogun, Sport, Pajero, Pinin	{ 12mm x 1.5 Flat Nut	LN169/5
NISSAN Terrano, Patrol	{ 12mm x 1.25 60° Nut	LN103/5
SUZUKI SJ410, SJ413, Vitara	{ 12mm x 1.25 60° Nut	LN103/5
TOYOTA Land Cruiser, Rav 4, 4 runner	{ 12mm x 1.5 Flat Nut	LN169/5
VAUXHALL 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 N°	Bolt or Nut	Thread	Thread Length	Seating
LN101	Nut	1/2" UNF	-	60°
LN101/5	Nut	1/2" UNF	Set of Five	60°
LN102	Nut	7/16" UNF	-	60°
LN103	Nut	12mm x 1.25	-	60°
LN103/5	Nut	12mm x 1.25	Set of Five	60°
LN104	Nut	12mm x 1.5	-	Radius
LN104/5-L	Nut	12mm x 1.5	Set of Five	Radius
LN105	Nut	3/8" UNF	-	60°
LN109	Ghia Nut	12mm x 1.5	-	60° Washer
LN110	Nut	12mm x 1.5	-	60°
LN110/L	Nut	12mm x 1.5	Long Head	60°
LN110/5	Nut	12mm x 1.5	Set of Five	60°
LN137	Nut	14mm x 1.5	-	Flat
LN138	Nut	14mm x 1.5	-	Flat
LN148/5	Nut	16mm x 1.5	Set of Five	Flat
LN149/5	Nut	14mm x 1.5	Set of Five	Flat
LN164	Nut	14mm x 1.5	-	Radius
LN166	Nut	14mm x 1.5	-	60°
LN169/5	Nut	12mm x 1.5	Set of Five	Flat

LB117	Bolt	12mm x 1.5	22mm	60°
LB112	Bolt	12mm x 1.5	25mm	60°
LB126	Bolt	12mm x 1.5	28mm	60°
LB111V	Bolt	12mm x 1.5	30mm	60° Variable
LB124	Bolt	12mm x 1.5	33mm	60°
LB168	Bolt	12mm x 1.5	40mm	60°
LB123	Bolt	12mm x 1.5	44mm	60°
LB156	Bolt	12mm x 1.5	48mm	60°
LB157	Bolt	12mm x 1.5	56mm	60°
LB158	Bolt	12mm x 1.5	70mm	60°
LB115	Bolt	12mm x 1.5	24mm	Radius
LB120	Bolt	12mm x 1.5	28mm	Radius
LB118	Bolt	12mm x 1.5	38mm	Radius
LB128	Ghia Bolt	12mm x 1.5	28mm	60° Washer

LB122	Bolt	12mm x 1.25	25mm	60°
LB113	Bolt	12mm x 1.25	30mm	60°
LB121V	Bolt	12mm x 1.25	30mm	60° Variable
LB165	Bolt	12mm x 1.25	40mm	60°
LB159	Bolt	12mm x 1.25	50mm	60°
LB160	Bolt	12mm x 1.25	70mm	60°
LB127	Bolt	12mm x 1.25	34mm	Flat
LB161	Bolt	12mm x 1.25	42mm	Flat

LB155	Bolt	12mm x 1.75	28mm	60°
--------------	------	-------------	------	-----

LB114	Bolt	14mm x 1.5	25mm	60°
LB134	Bolt	14mm x 1.5	28mm	60°
LB162	Bolt	14mm x 1.5	60mm	60°
LB116	Bolt	14mm x 1.5	28mm	Radius
LB167	Bolt	14mm x 1.5	33mm	Radius
LB119	Bolt	14mm x 1.5	43mm	Radius
LB163	Bolt	14mm x 1.5	60mm	Radius

GRAYSTON ENGINEERING LIMITED

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

TELEPHONE: 020 8974 1122 FAX: 020 8974 2288

www.grayston.biz Email: sales@grayston.biz





115 Roebuck Road, Chessington, Surrey KT9 1JZ
Phone: 020 8974 1122 Fax: 020 8974 2288
www.grayston.biz Email: sales@grayston.biz

NEW PRODUCTS

	<p>GE757 QUICKFIT BATTERY CUT-OFF SWITCH Universal battery cut-off switch, very quick and easy to use. When in the off position it will immobilise the vehicle and help to avoid a flat battery when not in use for extended periods.</p>
	<p>GRAYSTON TOW ROPES The Grayston Tow rope Range covers most towing requirements. TW01 12mm Rope has an approx pulling capability of 2000 kg TW02 16mm Rope has an approx pulling capability of 3500 kg TW03 20mm Rope has an approx pulling capability of 5250 kg 4 Metres long with metal D shackle fitted. Grayston Towropes are supplied packaged Manufactured in UK to BS AU187 2000</p>
	<p>SB22A 12mm 1.25 60° 36mm long 19mm Hex Bolt</p>
	<p>BLACK ALUMINIUM COMPETITION WHEEL NUTS SNA10 12mm 1.5 60° closed Nut 19mm Hex. SNA20 12mm 1.25 60° closed Nut 19mm Hex.</p>
	<p>BLACK ALUMINIUM COMPETITION WHEEL NUTS SNA15 12mm 1.5 60° open Nut 19mm Hex. SNA25 12mm 1.25 60° open Nut 19mm Hex.</p>
	<p>SN65 12mm 1.5 Flat zinc plated open Peugeot wheel seating Nut 19mm Hex.</p>
	<p>SN436 14mm 1.5 Radius zinc plated open nut 19mm Hex</p>
	<p>GE995 ALLOY MUD FLAP BRACKET Sold in singles</p>
	<p>AEROCATCH CARBON LOOK The shear pin latch providing a modern solution to panel fastening.</p> <p>Fits onto top and bottom panels, available in locking and non locking</p> <p>T120-3000 PLUS FLUSH NON LOCKING T120-3100 PLUS FLUSH LOCKING T125-3000 FLUSH NON LOCKING T125-3100 FLUSH LOCKING</p>

	<p>AEROCATCH The shear pin latch providing a modern solution to panel fastening.</p> <p>Fits onto top and bottom panels, available in locking and non locking</p>	<p>T120-2000 PLUS FLUSH NON LOCKING T120-2100 PLUS FLUSH LOCKING T125-2000 FLUSH NON LOCKING T125-2100 FLUSH LOCKING</p>
	<p>EXTRA WIDE TANK TAPE</p> <p>High quality poly cloth tank tape supplied in 150mm wide rolls x 50 Metres in the following colours.</p>	<p>GE98-150BL Black GE98-150S Silver GE98-150W White</p>
	<p>CLEAR POLYTHENE TAPE GE98CL Clear polythene tape 50mm wide x 33 Metres</p> <p>GE98-100CL Clear polythene tape 100mm wide x 33 Metres</p>	
	<p>GE126 SELF ADHESIVE KEVLAR/CARBON SHEET Sheet size 50cm x 25cm Made from Genuine 50% Kevlar 50% Carbon fibre by volume. Protects vulnerable parts, has good impact resistance, high strength and good wear properties. 3M self adhesive on reverse. Can be used on interior or exterior panels. Supplied in Grayston packaging. Full specification sheet available if required.</p>	
	<p>GE127 SELF ADHESIVE KEVLAR/CARBON SHEET SILL SIZE Sheet size 2 Metres x 20cm Made from Genuine 50% Kevlar 50% Carbon fibre by volume. Protects vulnerable parts, has good impact resistance, high strength and good wear properties. 3M self adhesive on reverse. Can be used on interior or exterior panels. Supplied in Grayston packaging. Full specification sheet available if required.</p>	
	<p>GE928 CHROME ABS PLASTIC GB LETTERS</p> <p>Chrome ABS Plastic GB letters 85mm x 55mm in Grayston Packaging</p>	
	<p>GE915 STAINLESS STEEL HEADLAMP EYEBROWS.</p> <p>Headlamp eyebrows made from stainless steel supplied in pairs in Grayston packaging.</p>	
	<p>GE916 7" HEADLAMP SURROUND</p> <p>Chrome plated 7" headlamp surround, supplied in single units in Grayston packaging.</p>	

	<p>GE923 STAINLESS STEEL MINI DOOR SCRATCH</p> <p>Stainless steel Mini door scratch protectors, supplied in pairs In Grayston packaging</p>
	<p>GE120 ANTI-SHATTER SAFETY/SECURITY WINDOW FILM</p> <p>Window safety/security film, clear, scratch resistant window film for motorsport and general use. This anti shatter film uses a special adhesive that bonds the film and glass together giving very good protection from external impact. 25% UV protection 86% Heat rejection. Roll size 51cm x 4 metres</p>
<p>NO IMAGE</p>	<p>GE680 TWIN TRUMPET AIR HORN</p> <p>12V air horn suitable for road or motorsport use. Kit comprises of 2 trumpets, compressor, relays and fitting kit. 117 DBA</p>
	<p>RECESSED BONNET PIN PLATES</p> <p>Grayston Engineering recessed Bonnet Pin Plates are designed for use with the Grayston range of bonnet pins. They allow the bonnet pins to be fitted below the body line of the vehicle.</p> <p>The plates are manufactured from aluminium and are supplied Silver or Black Anodised finish. They are supplied in pairs either packed loose or poly bags.</p> <p>GE515BL Recessed Bonnet Pin Plates- Black GE515S Recessed Bonnet Pin Plates- Silver</p>



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
- GE52BL** Black
- GE52G** Gold
- GE52R** Red
- GE52S** Silver



GRAYSTON®

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



COMPETITION BOOT SPRINGS

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

- GE53** Stainless Steel
- GE53B** Black Coated Stainless Steel



As used by most major works rally teams



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.



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



GE66 BONNET/BOOT LOCK FLUSH FITTING

Chrome plated finish with flush face plate that does not protrude above body line. Supplied with 2 radial pin keys for extra security. This bonnet lock complies with EEC Regulations.

IMPORTANT

THIS PRODUCT MUST NOT BE USED UNLESS IT IS FITTED IN CONJUNCTION WITH ORIGINAL MANUFACTURERS OWN BONNET SAFETY CATCH, THIS ESPECIALLY APPLIES TO CARS WITH FIBREGLASS BONNETS.



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.

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.



GRAYSTON®

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



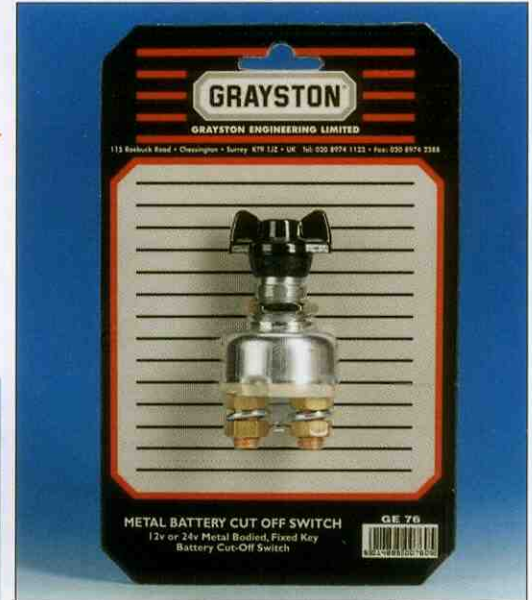
▲ COMPETITION 'T' PULL CABLES

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.

▶ **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**

▶ **GE55-STK BATTERY ISOLATER SWITCH SAFETY STICKER**



▲ **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 switched 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

GE333A	Amber small warning light with chrome beze	12v 1½ w	GE35LG	On/Off green L.E.D toggle switch lucar terminal	25 amp
GE333B	Blue small warning light with chrome bezel	12v 1½ w	GE35LR	On/Off red L.E.D toggle switch lucar terminal	25 amp
GE333G	Green small warning light with chrome bezel	12v 1½ w	GE35S	On/Off toggle switch screw terminal	25 amp
GE333R	Red small warning light with chrome bezel	12v 1½ w	GE36L	On/Off/On toggle switch lucar terminal	25 amp
GE339	Push button switch stainless steel	25 amp	GE36S	On/Off/On toggle switch screw terminal	25 amp
GE34	Push button starter switch	30 amp	GE37L	On/On toggle switch lucar terminal	25 amp
GE34M	Momentary on toggle switch screw terminal	30 amp	GE37S	On/On toggle switch screw terminal	25 amp
GE34P	Push button switch	30 amp	GE38	Waterproof cover for all toggle switches	
GE34PC	Push button switch with waterproof cover	30 amp	GE39A	Amber large face warning light	12v, 2w
GE35L	On/Off toggle switch lucar terminal	25 amp	GE39B	Blue large face warning light	12v, 2w
GE35LA	On/Off amber L.E.D toggle switch lucar terminal	25 amp	GE39G	Green large face warning light	12v, 2w
GE35LB	On/Off blue L.E.D toggle switch lucar terminal	25 amp	GE39R	Red large face warning light	12v, 2w

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
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
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
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
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.



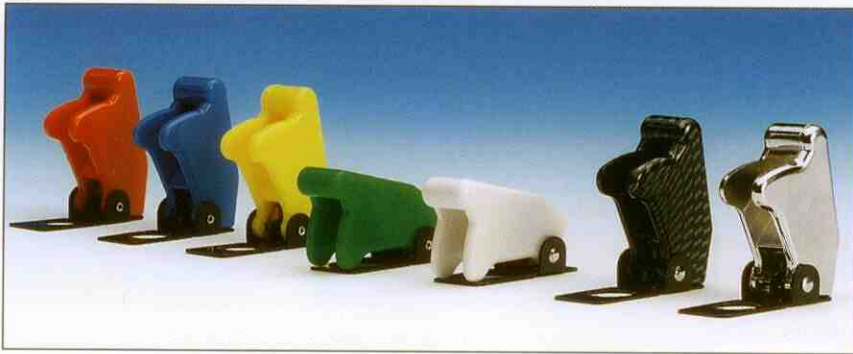
GRAYSTON ENGINEERING LIMITED
115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.
TELEPHONE: 020 8974 1122 FAX: 020 8974 2288
www.grayston.biz Email: sales@grayston.biz

GRAYSTON®

COMPETITION PRODUCTS

FOR ROAD, OFF ROAD,

RACE AND RALLY USE



▲ 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
GE345B Blue
GE345C Carbon
GE345CH Chrome Plated
GE345G Green
GE345W White
GE345Y Yellow

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" UNF thread 50mm thread length
GE50AMX Metric eyebolt eyebolt 10mm x 1.5mm 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-F.I.A. Eyebolt back plate 65mm x 65mm x 3mm 7/16" UNF thread welded nut
S78 50mm (2") anchor plate double slot - zinc plated gold
S83B 50mm (2") 3 bar slider black coated cranked
S84B 75mm (3") 3 bar slider black coated cranked
S89 50mm (2") snap hook with black plastic dipped end - gold zinc
S90 50mm (2") snap hook zinc plated gold
S91 75mm (3") snap hook zinc plated gold
S94 Quick release buckle tang zinc plated gold
S95 50mm (2") belt adjuster with plastic cover
S96 75mm (3") belt adjuster zinc plated gold
S97 25mm (1") moustache tang gold zinc
S98 50mm (2") flat anchor plate - gold zinc

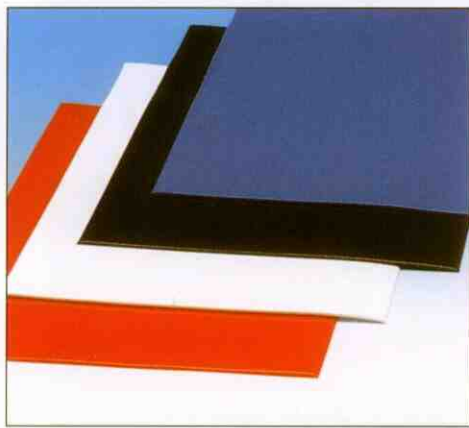


Note: If you have interest in any seat belt products not shown in our catalogue please send us your enquiry.



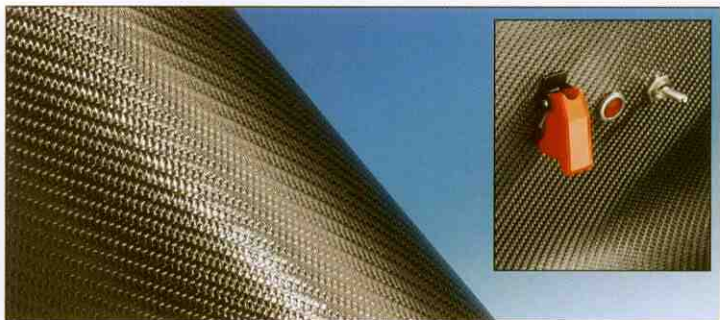
▲ COMPETITION SEATBELT FIXING KIT.

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



RALLY-FLAPS
Professional quality durable P.V.C. rally mud-flaps supplied in pairs. Size 50cm x 30cm x 3mm thick.

- GE996B** Blue
- GE996BL** Black
- GE996R** Red
- GE996W** White



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.

GE124 Grayston pack, 50cm x 25cm

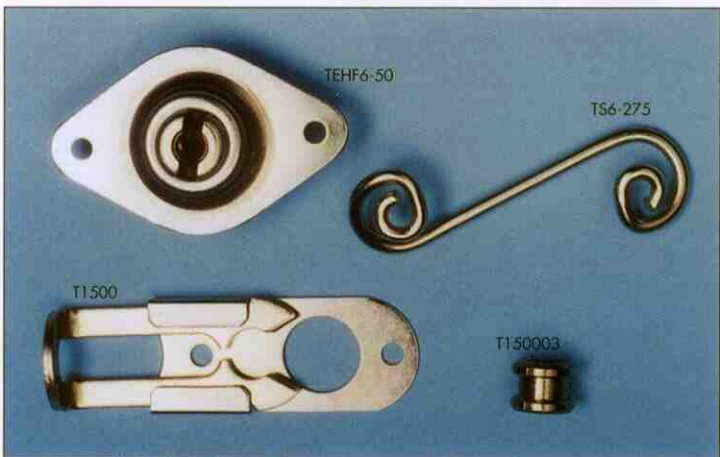


GE92 TYRE PRESSURE GAUGE

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.



GE978 SCRUTINEER STICKER SHEET

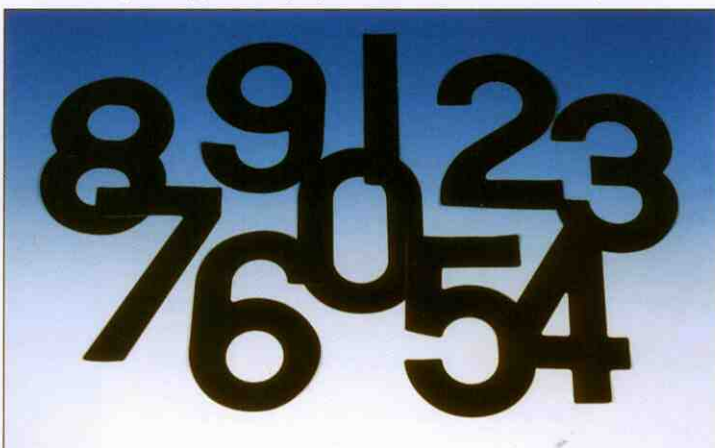


DZUS FASTENERS
TEHF6-50/TS6-275

DZUS 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

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



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 ENGINEERING LIMITED
115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.
TELEPHONE: 020 8974 1122 FAX: 020 8974 2288
www.grayston.biz Email: sales@grayston.biz



▲ TANK TAPE

High quality poly cloth tank tape supplied in 50mm wide rolls x 50 meters 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



▲ 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)

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.



◀ **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.

GRAYSTON®

COMPETITION PRODUCTS

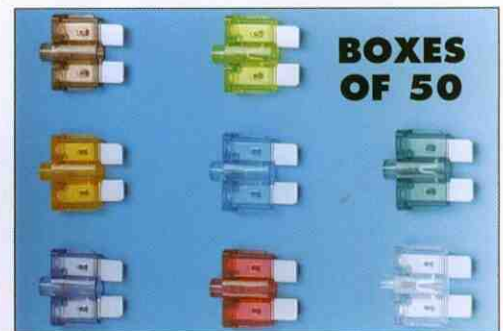
FOR ROAD, OFF ROAD,

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.



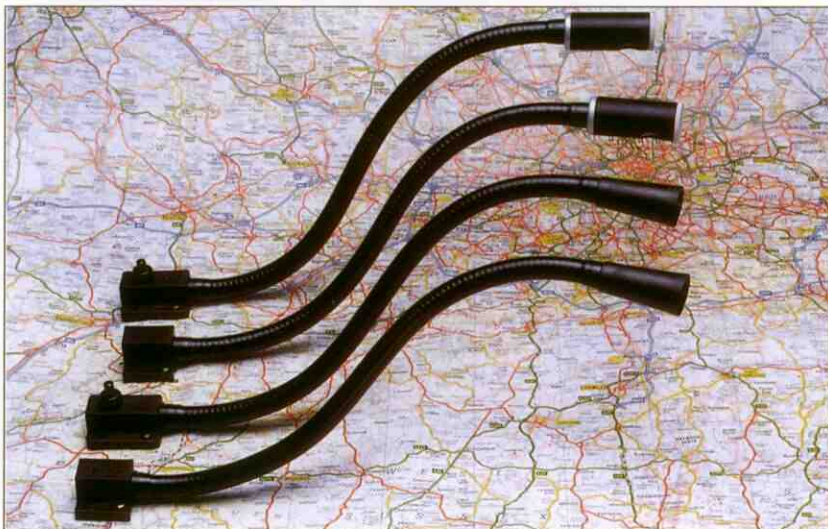
▲ BLOW - FUSES
"It glows when it blows"

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.

- | | | | |
|---------------|-----------|-------|--------|
| FUZ03A | Blow fuse | 3amp | Violet |
| FUZ05A | Blow fuse | 5amp | Orange |
| FUZ07A | Blow fuse | 7½amp | Maroon |
| FUZ10A | Blow fuse | 10amp | Red |
| FUZ15A | Blow fuse | 15amp | Blue |
| FUZ20A | Blow fuse | 20amp | Yellow |
| FUZ25A | Blow fuse | 25amp | Clear |
| FUZ30A | Blow fuse | 30amp | Green |

Avanti-SERIES

**FLEXIBLE RALLY LIGHTS
SWITCHED & UNSWITCHED**

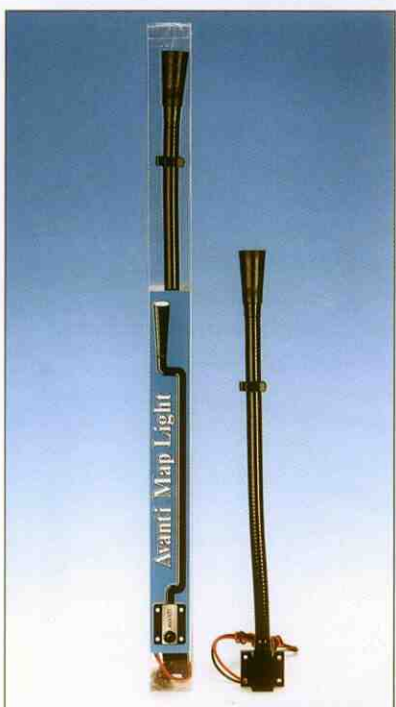


GRAYSTON Avanti Flexible Rally Map Lights are universally accepted as the world's finest flexible map lights. The Avanti is currently used by most major works competition rally teams. They are available in two lengths 12" (305mm) and 18" (457mm) in four different styles. The light end can be supplied 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.



**FOUR TYPES
TWO LENGTHS**

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



**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**

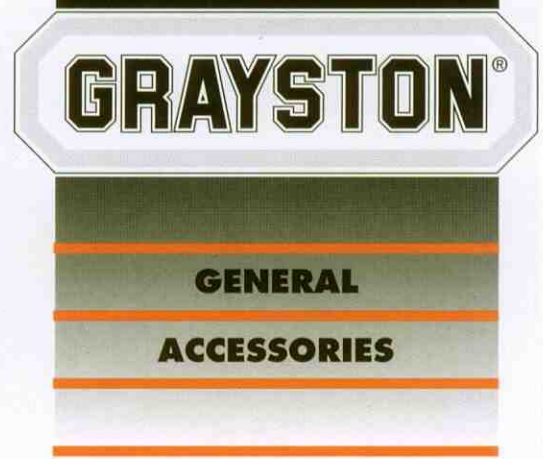
**GE48 - 12" (305mm)
GE49 - 18" (457mm)**



GRAYSTON®

GRAYSTON ENGINEERING LIMITED

115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.
TELEPHONE: 020 8974 1122 FAX: 020 8974 2288
www.grayston.biz Email: sales@grayston.biz



▲ 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.



▲ 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

▲ EXTRA LONG REPLACEMENT U BOLTS WITH NYLOC NUTS.

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



▲ GE940 NUMBER PLATE SURROUND

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



▲ 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



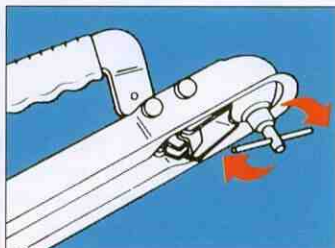
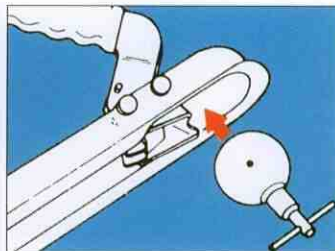


GE330 AUXILIARY LIGHTING AND ACCESSORY WIRING KIT 30amp rating
Kit Contains:

- 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.



GE914 CIGARETTE LIGHTER CUT-OFF KEY
 Cigarette lighter that makes your car look like rally car with battery cut-off switch fitted.



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.

SPARE KEYS AVAILABLE FROM GRAYSTON, KEY NUMBER MUST BE QUOTED.

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.

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.



SELF ADHESIVE ALUMINIUM BONNET PINS

Manufactured from anodised aluminium and held in place by high quality self adhesive pads shaped to suit. These self adhesive bonnet pins will give your car that authentic works rally car look.

- GE32B** Blue
- GE32R** Red
- GE32S** Silver



GRAYSTON ENGINEERING LIMITED
 115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.
 TELEPHONE: 020 8974 1122 FAX: 020 8974 2288
 www.grayston.biz Email: sales@grayston.biz

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
- GE84** Mini o/e indicator light clear 1997- 2000
- GE84L** Mini o/e indicator light clear lens 1986-1997

GE67 BLACK LEATHER BONNET STRAPS

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



GENERAL LIGHTING

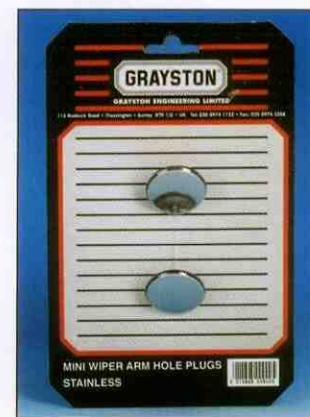
- GE75** Interior light 3 1/2" dia
- GE77A** Repeater light amber
- GE77C** Repeater light clear
- GE77R** Repeater light red
- GE85** Chrome number plate light (not as o/e)
- GE85B** Black number plate light (not as o/e)



ANODISED ALLOY GRILL AND ROCKER COVER BUTTONS FOR MINI

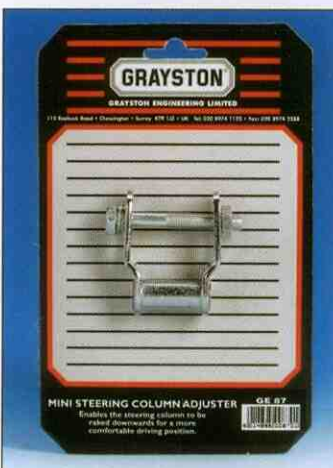
Mini Grill buttons allow immediate access to the front of the engine bay or cylinder head. Very useful for competition use.

- GE88** Silver
- GE88B** Blue
- GE88R** Red



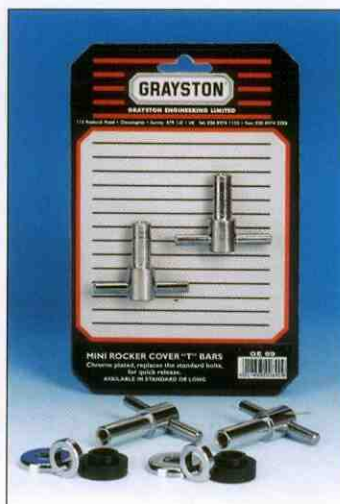
GE91 WIPER ARM HOLE PLUGS FOR MINI

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



GE87 STEERING COLUMN ADJUSTER FOR MINI

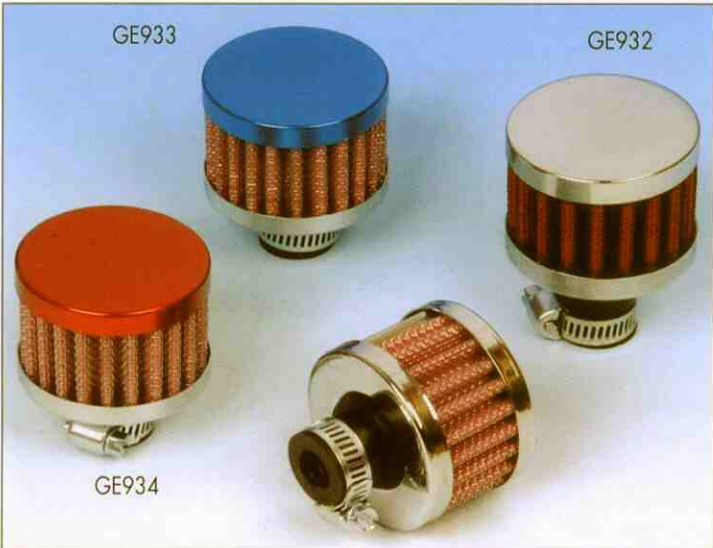
Enables the steering column to be raked downwards for more comfortable driving position. Chrome plated.



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.

STYLISH AND PRACTICAL MINI ACCESSORIES



▲ HEADLAMP STONEGUARDS

GE917 Protect your headlamps with these 7" dia headlamp stoneguards. **Chrome Plated** wire mesh with fitting clips. 1 pair.

GE918 7" dia headlamp stoneguards. **Stainless Steel**. Wire mesh with fixing clips. 1 pair.

▲ 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

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.



▲ COLOURED SIDE REPEATER LENS (FOR MINI)

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

GE78A Amber **GE78B** Blue
GE78C Clear **GE78R** Red
GE78S Smoke



▲ GE930 MINI NUMBER PLATE LIGHT SURROUND

Chrome plated mazak die casting. Fits Mk III pre BMW minis.



GRAYSTON ENGINEERING LIMITED
 115 ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1JZ, U.K.
 TELEPHONE: 020 8974 1122 FAX: 020 8974 2288
 www.grayston.biz Email: sales@grayston.biz

STANDARD COIL SPRING ASSISTER AND RAISER

GRAYSTON®

**COIL SPRING AND
AUXILIARY SPRING
ASSISTERS**

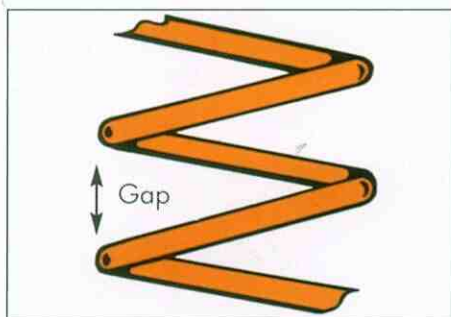


Coil Spring Assisters are necessary because most standard car springs are designed for the comfort of the passengers and are not strong enough to take the extra loading of towing and heavy weights carried in the boot.

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



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.