

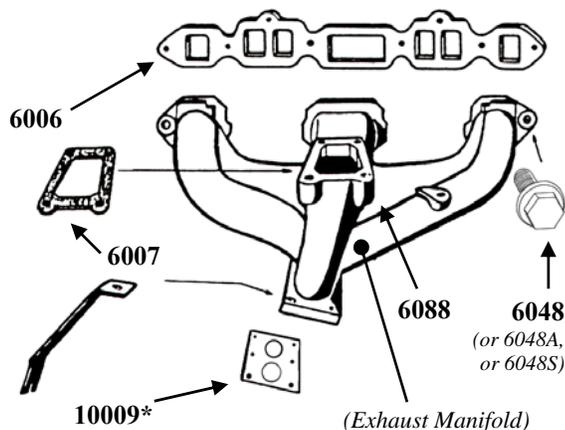
Opel GT Exhaust Notes

The original Opel GT exhaust system requires inspection and maintenance, to identify rust and other common issues. The system requires secure mounting so that it resonates as a singular assembly, because uneven vibrations between components (caused by missing brackets & broken hangers) allows cracks to develop. This is important to engine exhaust flow (air that is sucked in can cause backfiring on deceleration).

Exhaust Parts

(Opel GT's with 1.9 Liter Engines)

- 10004 Head Pipe, Opel GT
- 10005 Front Muffler, Opel GT
- 10006 Connector Pipe, Front Muffler to Resonator, Opel GT
- 10007 Resonator, Twin Tip, Opel GT
- 10008 Rubber Hanger for Rear Resonator, Opel GT 2 req.
- 10009 Exhaust Flange Gasket, 1.9L* (61x122mm, 42mm ports)
(note: When equipped with a European-design "Sprint" manifold, Measure outer dimensions to match #10016, 10019 or 10019a)
- 10010 Muffler Donut, Opel GT 2 req.
- 10011 Headpipe to Exhaust Manifold Bolts, set of 6, Opel GT
- 10017 Resonator Bump Stop Bushing, Opel GT
- 10018 Front Muffler Hanger Bracket, Opel GT
- 10021 GT Rear Resonator Hanger Bracket Assembly, with nuts.
Reproduction design.
- 10022 Muffler Clamp, GT
- 12013 8mm Serrated Bit tool *(to remove original 8mm bolts which attach exhaust manifold to intake manifold)*



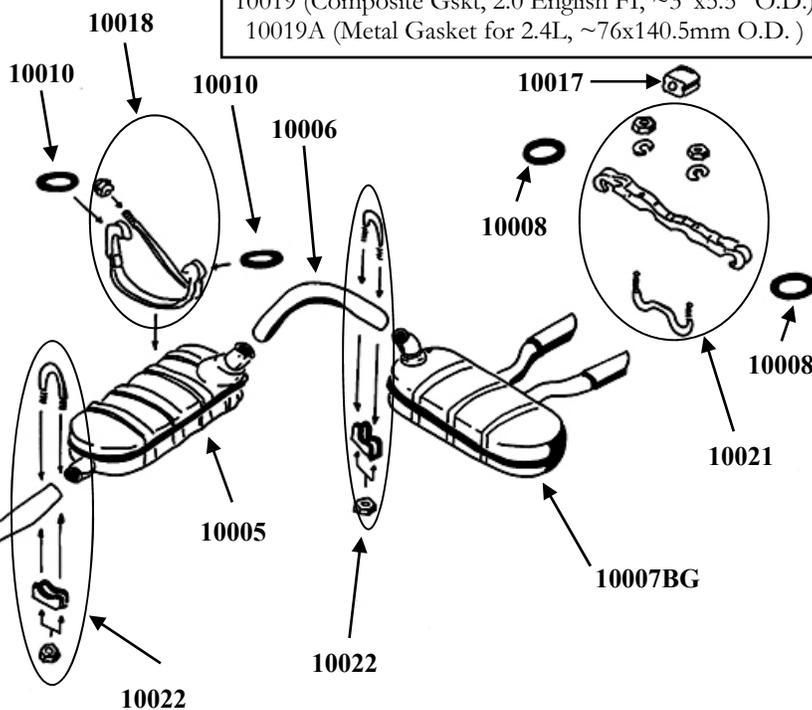
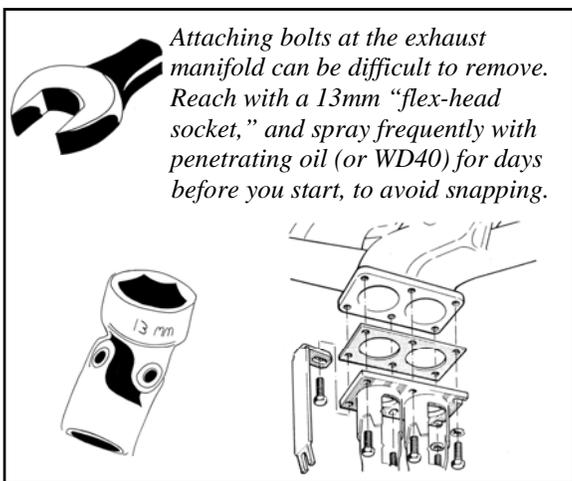
Cylinder Head/Exhaust Manifold Hardware

- 6006 Intake/Exhaust Gasket to Cylinder Head
- 6007 Gasket, Intake to Exhaust, square
- 6048 Bolt, Intake/Exhaust to Head 9mm
- 6048A Bolt, Same as #6048, with Allen Head top
- 6048S Studs, 9mm thread (special order item)
- 6088 8mm bolt, intake to exhaust
(note: replacements are allen-head design bolts)

 Note: #12013 (serrated bit 8mm tool) is required to remove original #6088 serrated bolts

Exhaust Manifold Flange Gaskets

- 10009 Exhaust Flange Gasket (1.9 engines*)
*(*original 1.9L size: ~61x122mm O.D.)*
- 10016 (Gasket for 2.0/2.2L, ~76x113mm O.D.)
- 10019 (Composite Gskt, 2.0 English FI, ~3"x5.5" O.D.)
- 10019A (Metal Gasket for 2.4L, ~76x140.5mm O.D.)



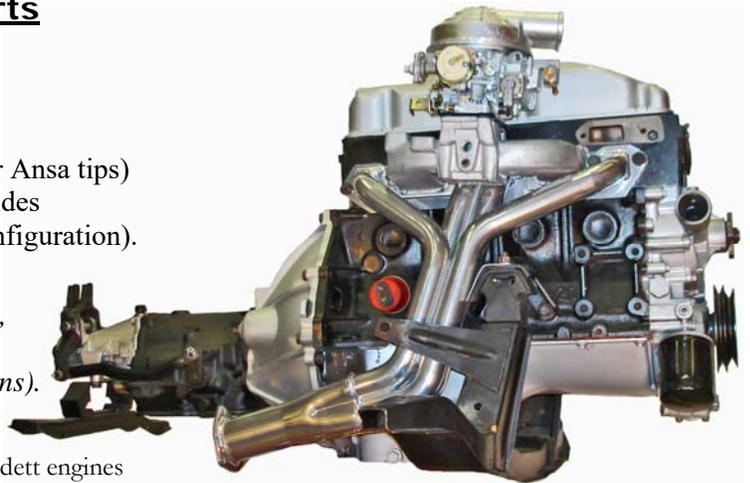
NOTE: Some Good Used Opel Exhaust System Parts are also available, Contact Opel GT Source and ask!
*(Parts Lists are subject to change, Contact Opel GT Source for latest prices and availability)

High Performance Custom-Exhaust Parts

Performance-rebuilt Opel engines benefit greatly, with installation of a custom 2" diameter exhaust system.

Installation of a Opel GT Source header, combined with a custom-routed 2" pipe (with wide-oval muffler and circular Ansa tips) not only greatly increases your exhaust flow, but also provides increased durability (over the original Opel GT exhaust configuration).

This configuration retains the original GT exterior look, while significantly improving your exhaust system integrity, which reduces maintenance needs while improving the road feel of your car (over bumps and at speed through turns).



10023SS Opel "Shorty" Header, Stainless Steel

All-new design, fits all 1.9 Opel GT, Manta/Ascona & Kadett engines. Separates exhaust from intake, for better driving (when using "ethanol-blend" fuels). Installs using #10012A & #10009 gaskets, and #6048 & #10011 bolts. *Contact us for more details*

10024SS Opel GT Header, Stainless Steel

A new polished stainless steel header, this 4-into-1 design features quality welds and performance at levels achieved with our (prior version) headers, but at a new lower price. These offer great appearance and great quality, now at a great price!

Recommended: Install #10012 or #10012A gasket on 1.9 & 2.0 heads. On 2.2 & 2.4 cyl heads use our #6139 gasket. Also fits Kadett B.

10012 Manifold Gasket, Thick-style

Top-quality "crush-fit" thick gasket for 1.9 & 2.0 cyl heads

10012A Manifold Gasket, Thin-style

New lower-cost thin design to install headers on 1.9/2.0 cyl heads

7038 Heat Shield for GT Motor Mount (R side)

Recommended for ensuring longevity of motor mount

10027 Header Collector

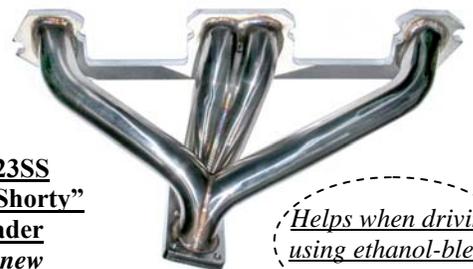
2 3/4" Collector, 2" output.. Fits ours & some vintage headers

10028 Header Collector Gasket

2 1/2" Inner Diameter, Triangular 3-bolt design

10029 Stainless Steel Exhaust System, Opel GT

All-new system for the GT. *Contact us for details.*



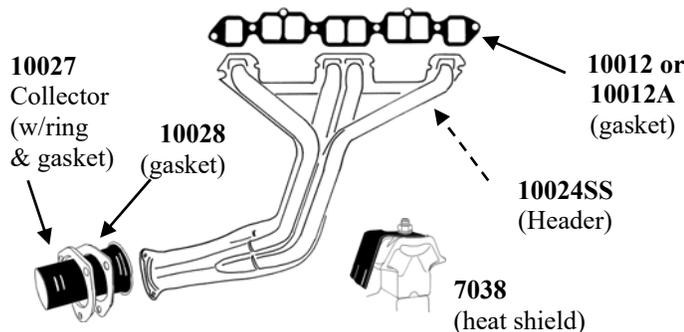
10023SS
Opel "Shorty"
Header
All-new
Stainless Steel

Helps when driving using ethanol-blend fuels



10024SS
Opel GT
Header
All-new
Stainless Steel

Recommended for performance-built engines!



ANSA "4-tip" Resonator
(contact us for details)



Opel GT Exhaust Headers: Notes and Views

One of the Opel GT Source “signature product” lines, include our exclusive-design Opel GT Exhaust Headers. Our in-house efforts resulted in improvements in fitment and quality, including configurations and factors (as seen, below).

You can also consider the Stainless Steel material, which not only enables a superior design, but also improves your Opel’s underhood and engine appearance.

The other added benefit to either header is removal of the direct heat contact with the intake manifold. This reduces vapor lock, fuel boiling, and other driving issues, caused by the use of ethanol blends in domestic North American fuels.

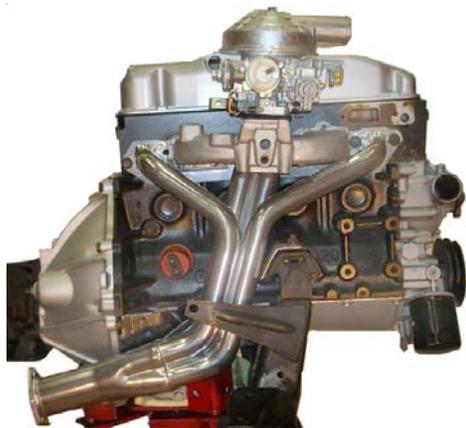


Fitment: Plenty of Room to Spare

Dual side drafts and header in a modified engine bay. Even with the very short and stubby manifolds, you can see there is plenty of clearance.

Engine Bay Clearance

Even though the engine bay on the Opel GT is very tight, this header fits here like a glove.



Engine Stand View

Whether you will use it with the stock inlet manifold or not, the top fit is designed to be good!



Detail

Detail of bottom clearance and a good look at the internal construction of the long-tube design.



EFI Manifold Fitment

Shown is clearance with a 2.0L Opel EFI manifold installed. (We wanted to make sure our header would work with the manifolds that would most likely be used on a GT)

Opel Shorty Header: Notes and Views

Opel GT Source's hottest new product is a "Shorty" style exhaust header, which was specially designed to reduce heat, while improving drivability and performance of classic Opels.

The following notes will help explain why the Shorty header is now a necessary upgrade, and why it may also be the perfect Opel "gift" (*for yourself, or for any occasion*).



Why buy a Shorty Header?

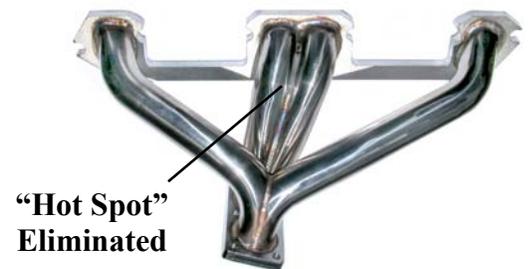
The "Shorty" header design eliminates the square upper "hot spot" beneath the intake manifold. This greatly reduces exhaust heat radiation which causes fuel boiling and other drivability issues occurring within your carburetor (due to ethanol in gasoline).

The "Shorty" header also provides advantages previously available only in longer-tube header designs.

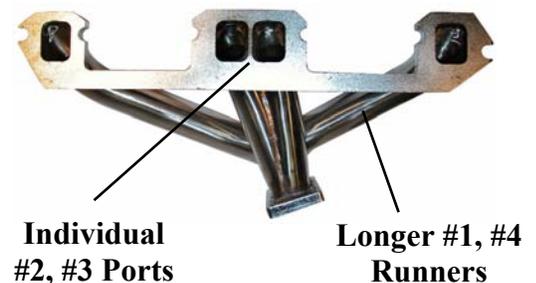
The cylinder head flange features individual ports to each of the 4 cylinders and provides separate and divided runner tubes from each cylinder until they near the bottom flange. This greatly reduces interference in exhaust pressure between cylinders, which helps your Opel engine "breathe" much better (and also run cooler as well)!

The "Shorty" style header provides a unique 4-2-1 "tri-y" exhaust system configuration, which is the best design for improvements in torque output during low-RPM driving (which is the most common street use of classic Opels).

The "Shorty" header is strong but light, (6 lbs), less than 1/2 of original cast exhaust manifolds, reducing weight and vibration.



"Hot Spot"
Eliminated



Individual
#2, #3 Ports

Longer #1, #4
Runners

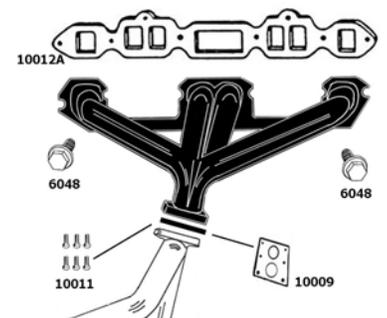
Installation Notes

The OGTS "Shorty" style header will fit all Opel 1.9L models, including Opel GT, Manta, Ascona, and Kadett.

This is because its design replicates the dimensions and angles of the original exhaust manifold.

Using available OGTS parts and our supplied "tech notes," our Shorty header is a true "bolt-on" design that you can install at home.

Installation Hardware



Opel Shorty Header: Notes and Views

Original Compatibility

As mentioned, the Shorty header will fit all Opel GT, Manta, Ascona and Kadett models equipped with 1.9 engines.

A photo at right illustrates installation with an original intake.



Performance Applications

In addition to everyday street driving, the Shorty header can also be installed as a performance item.

Opel GT Source manufactured this header to also help provide a low-priced option for Kadett B and Manta A, Ascona A, and Wagon owners who wish to upgrade their vehicle performance (without having to resort to costly vintage-aftermarket or custom-made headers).

The “Shorty” header will also fit on all European Opel 2.0, 2.2 and 2.4L CIH engines (when the vehicle is equipped with a standard-sized exhaust flange on the head pipe).

It also accommodates original-design Opel fuel injection intake manifolds, as well as the special OGTS #9096 “Angled” side draft intake manifold design. (*The OGTS #9072 “MIDI-Kit” will also fit, with some modifications*). Research and development into additional Opel SSD/DSD configurations will also continue as well.



Customer Reviews

We have received responses from very happy Opel GT Source customers who have received and installed the “Shorty” header.

They compliment their classic Opel’s improved drivability, particularly on warm days when idling at stoplights, and greater ease when restarting a car (after it has been parked for a few minutes).

We’ve also heard observations of improvements in performance, including climbing hills and passing acceleration.

Perhaps the most noticeable improvement is appreciation for an improved “tone” of their underhood and exhaust pipe sound, with note of a stronger “pulsation” heard and felt at the rear resonator of classic Opels.



Stainless Steel Exhaust System

One of Opel GT Source's latest offerings, is a custom-designed Stainless Steel Exhaust System for the Opel GT. While this system is a significant upgrade in terms of component strength and durability, its design is also simplified so that you can install it in your own driveway at home! Some features of this new kit are illustrated below.



Head Pipe & Flange

A custom-design for clearance of its wider pipes in the tight chassis area here, it also mates to your original-style 6-bolt exhaust manifold (fits all 1968-1975 CIH exhaust manifolds including Sprint FI)



Underbody Pipe

As shown above, this 2" O.D. pipe (48mm I.D.) provides correct underbody clearance, plus the great benefit of a do-it-yourself "slip fit" design (which allows easy installation at home)



OGTS Part #10029
This entire kit fits and ships in a single box to your home, via UPS



Supports

This design allows use of original mount locations and hardware (such as a bar for the rear bump stop)



Rear Resonator

Rounded baffled oval tips, provide a modern design and smooth sound

Center Muffler & Pipe

A freer-flowing, longer-lasting design, is within this polished finish. Also included is an integrated over-the-axle pipe, for more uniform exhaust flow with less vibration.



#10029



Specialty Manifold Bolt Notes

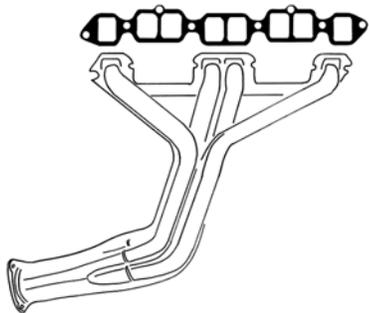
An increasingly popular use for our #6048A Allen-Head bolts is installation with a set of custom Exhaust Headers from Opel GT Source.

As shown, they allow installers to better work around the curves of the pipes, while retaining the securing advantages of the original washer.

An ordinary 8mm hex-head bit can be fit onto a socket wrench, or an 8mm allen-wrench key can be used. In some cases, it may be advisable to cut down the head of a 8mm key tool for better reach into very tight areas.



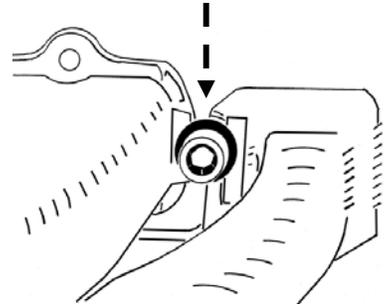
6048A



Allen Head "Key" Tool



6048A Bolt from Opel GT Source



Header exhaust manifolds provide greater flow at higher speeds. A "crush-fit" style gasket is also recommended for optimal sealing at the manifold.

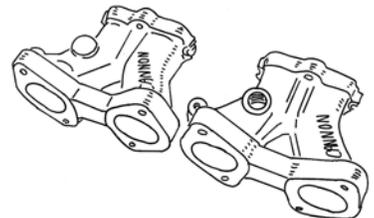
Common Header installation, illustrated above. Allen head tool provides greater access in tight areas. Thicker Washer on #6048A bolt better secures assembly.

Side Draft Manifolds

Special Bolts are most advantageous when dealing with tight situations such as side-draft manifolds.

The tight curves often found in Opel-specific aftermarket designs make proper torquing of original style bolts difficult (if not impossible) when using a socket or wrench. The smaller Allen key allows better access in these tight areas.

(This feature is also shared with some fuel injection manifolds and some modern customized assemblies such as throttle bodies).



Opel side-draft manifolds are often very short!



Studs

These are special-order parts, that are cut to lengths ranging from 50 to 80mm. These are offered as a convenience item, after clients informed us that hardened bolts of odd metric stock can be hard to find at reasonable prices domestically.

These are most popular when exotic hardware is custom-installed, or where quick changes are wanted (such as on a race track).

While we don't have a recommendation for accompanying hardware, our clients have specified products from specialty hardware suppliers such as a matching metric nut and a washer (references available with parts).



6048S