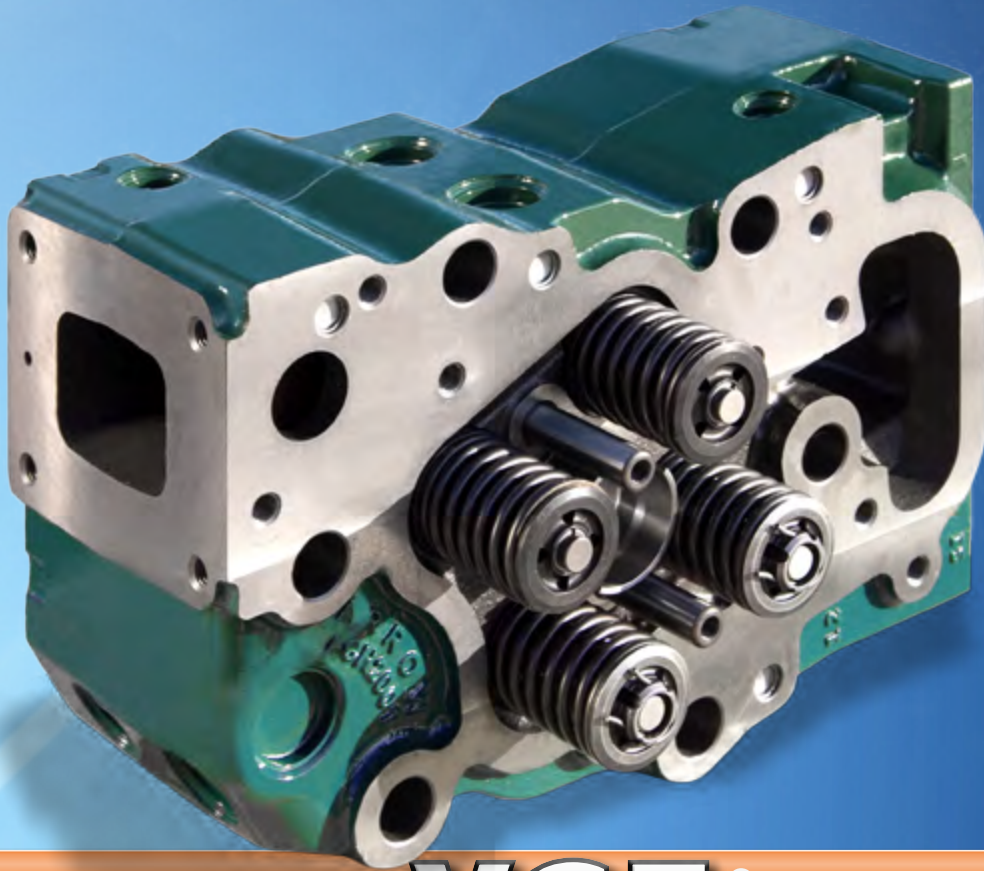


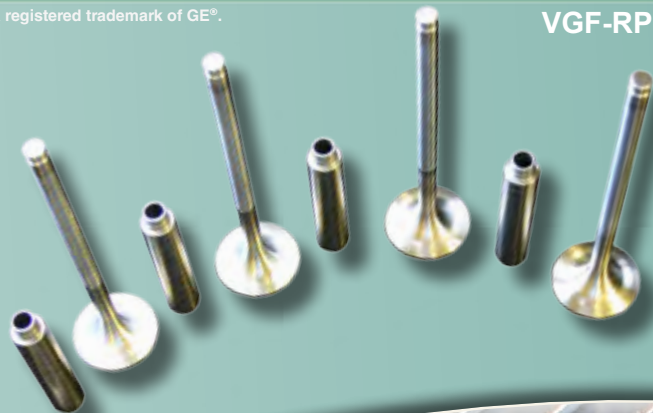


VGF[®]

ARROW MANUFACTURED REPLACEMENT PARTS

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VGF-RP-C-OCT 15



A Tradition of Excellence Since 1955



Arrow Engine Company was founded in 1955 as Arrow Specialty Company by Jeff Davis in Tulsa, Oklahoma, beginning a tradition of providing premium service and exceptional products to the oil & gas industry, as well as other industrial markets throughout the world. Arrow is a market-leading provider of natural gas powered engines and parts, as well as gas compressors, gas production equipment, meter runs, engine electronics and chemical pumps. Today, Arrow continues its tradition of focusing on producing the most reliable equipment, parts and extraordinary customer service in the industry.

Arrow is a part of the Engineered Components segment formed by TriMas Corporation. TriMas Corporation is a diversified global designer, manufacturer and distributor of engineered and applied products that serve a variety of industrial, commercial and consumer end markets. TriMas provides its customers with highly-engineered products and services that reflect the company's commitment to market leadership, innovation and operational excellence. TriMas is organized into four reportable segments: Packaging, Aerospace, Energy and Engineered Components. With headquarters in Bloomfield Hills, Michigan, TriMas has approximately 4,000 employees at more than 50 facilities in 16 countries.



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G-970-H24G

Qty	Part #	Description
8	A-932-279	Sleeve Kit 8.7:1
8	A-936-1036	Head Rebuild Kit
1	A-918-320	Main Bearing Set
8	AA300110G	Rod Bearing Pair
1	A-979-278	Top Gasket Set
1	A-900-1041	Basic Gasket Set
1	A-960-298L	Water Pump Kit less Impeller

G-970-H24GL

Qty	Part #	Description
8	A-932-279	Sleeve Kit 8.7:1
8	A-936-1036	Head Rebuild Kit
1	A-918-320	Main Bearing Set
8	AA300110G	Rod Bearing Pair
1	A-979-278	Top Gasket Set
1	A-900-1041	Basic Gasket Set
1	A-960-299L	Water Pump Kit less Impeller

G-970-H24G-HC

Qty	Part #	Description
8	A-932-264	Sleeve Kit 11:1
8	A-936-1036	Head Rebuild Kit
1	A-918-320	Main Bearing Set
8	AA300110G	Rod Bearing Pair
1	A-979-278	Top Gasket Set
1	A-900-1041	Basic Gasket Set
1	A-960-298L	Water Pump Kit less Impeller

G-970-H24GL-HC

Qty	Part #	Description
8	A-932-264	Sleeve Kit 11:1
8	A-936-1036	Head Rebuild Kit
1	A-918-320	Main Bearing Set
8	AA300110G	Rod Bearing Pair
1	A-979-278	Top Gasket Set
1	A-900-1041	Basic Gasket Set
1	A-960-299L	Water Pump Kit less Impeller



Arrow Manufactured replacement parts for
WAUKESHA®

VGF OVERHAUL KITS



G-970-F18G

Qty	Part #	Description
6	A-932-279	Sleeve Kit 8.7:1
6	A-936-1036	Head Rebuild Kit
1	A-918-318	Main Bearing Set
6	AA300110G	Rod Bearing Pair
1	A-979-276	Top Gasket Set
1	A-900-1039	Basic Gasket Set
1	A-960-298L	Water Pump Kit less Impeller

G-970-F18GL

Qty	Part #	Description
6	A-932-279	Sleeve Kit 8.7:1
6	A-936-1036	Head Rebuild Kit
1	A-918-318	Main Bearing Set
6	AA300110G	Rod Bearing Pair
1	A-979-276	Top Gasket Set
1	A-900-1039	Basic Gasket Set
1	A-960-299L	Water Pump Kit less Impeller

G-970-F18G-HC

Qty	Part #	Description
6	A-932-264	Sleeve Kit 11:1
6	A-936-1036	Head Rebuild Kit
1	A-918-318	Main Bearing Set
6	AA300110G	Rod Bearing Pair
1	A-979-276	Top Gasket Set
1	A-900-1039	Basic Gasket Set
1	A-960-298L	Water Pump Kit less Impeller

G-970-F18GL-HC

Qty	Part #	Description
6	A-932-264	Sleeve Kit 11:1
6	A-936-1036	Head Rebuild Kit
1	A-918-318	Main Bearing Set
6	AA300110G	Rod Bearing Pair
1	A-979-276	Top Gasket Set
1	A-900-1039	Basic Gasket Set
1	A-960-299L	Water Pump Kit less Impeller

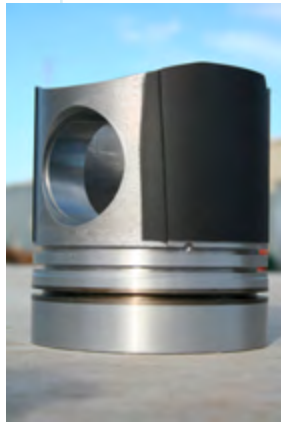
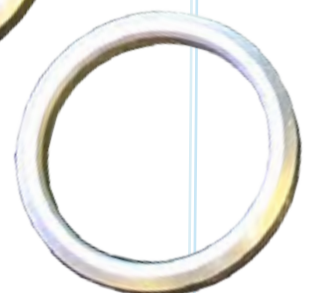
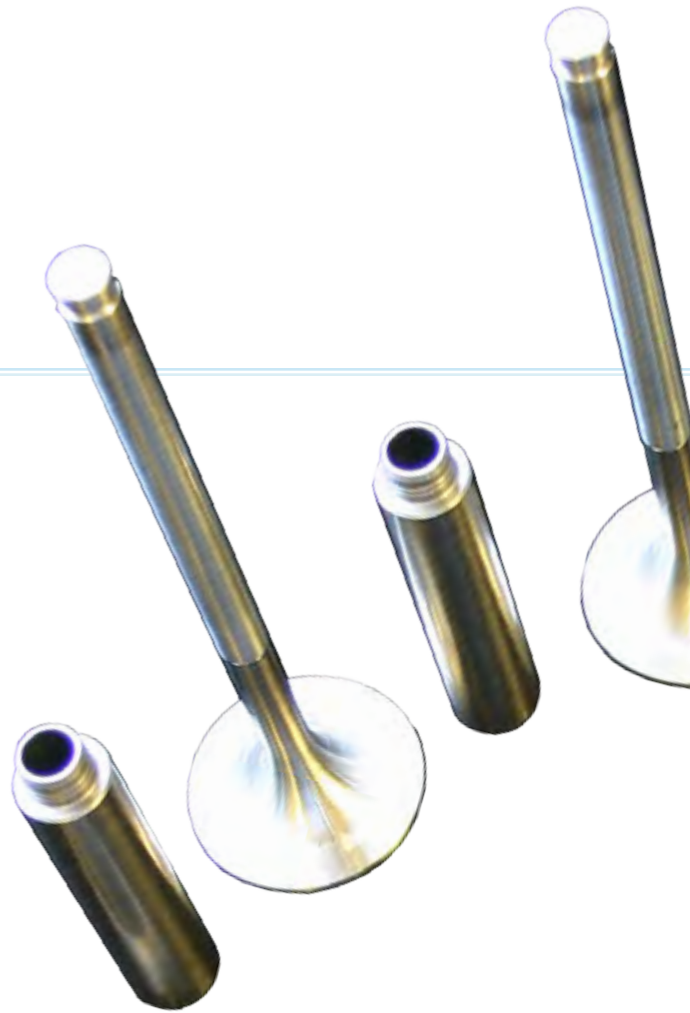
Cylinder Components

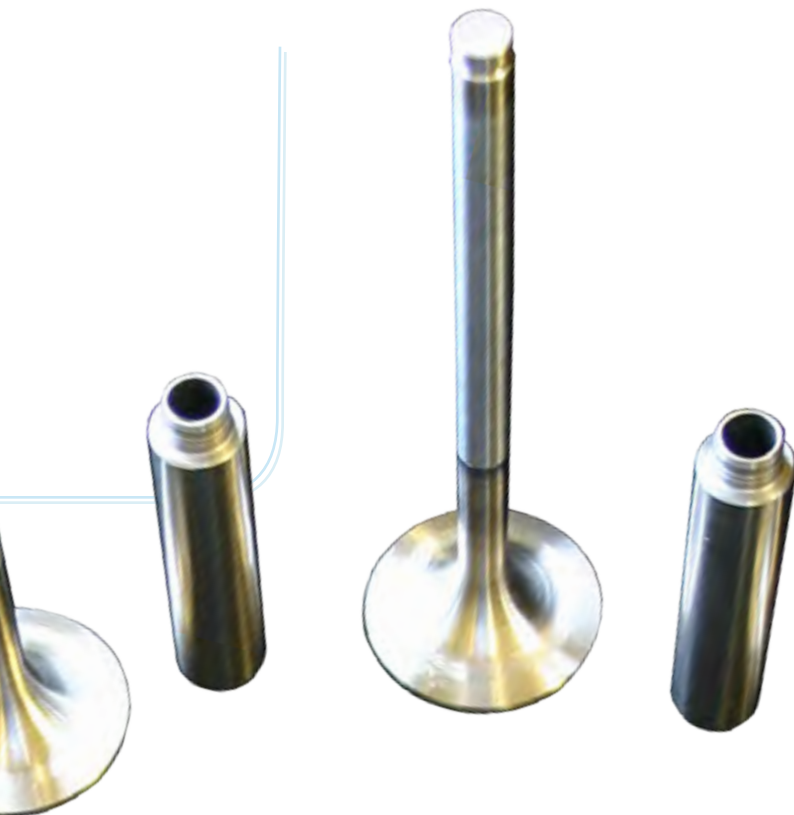
Part #	Description
A-932-264	11:1 Compression Ratio Sleeve Kit
A-932-279	8.7:1 Compression Ration Sleeve Kit

All sleeve kits contain the following...

Sleeve
Piston, Pin and Retainers
Piston Ring Set
Sleeve O-Rings

A300030E	Sleeve
	Sleeve O-Rings
A211670	Sleeve O-Rings, Square Cut
A304024A	Sleeve O-Rings, Middle and Top
A304025A	Sleeve O-Rings, Bottom Ring
	Pistons
A300304A	Piston, 11:1 High Compression
A300404C	Piston, 8.7:1 Low Compression
	Rings, Pins and Retainers
A-907-230	Ring Set, High Compression
A-907-240	Ring Set, Low Compression
A300006A	Pin
A294925	Retainers



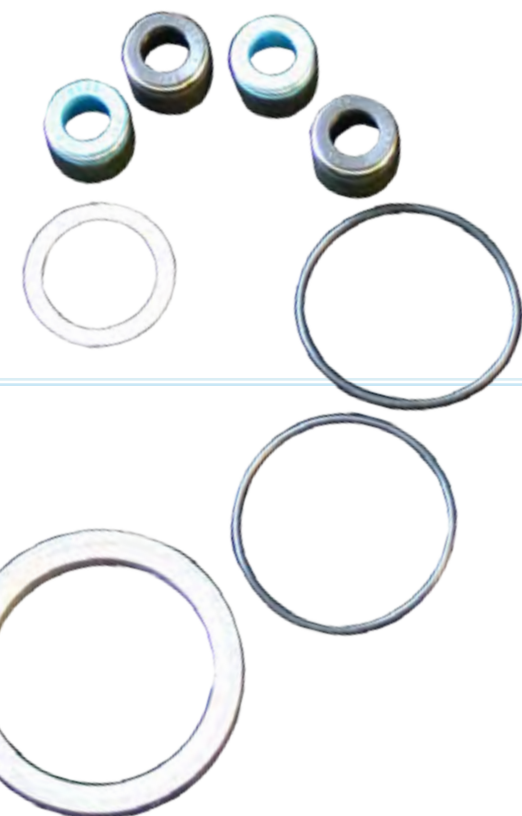


Head Components

Part #	Description
A-936-1036	Head Rebuild Kit

Kit contains the following...

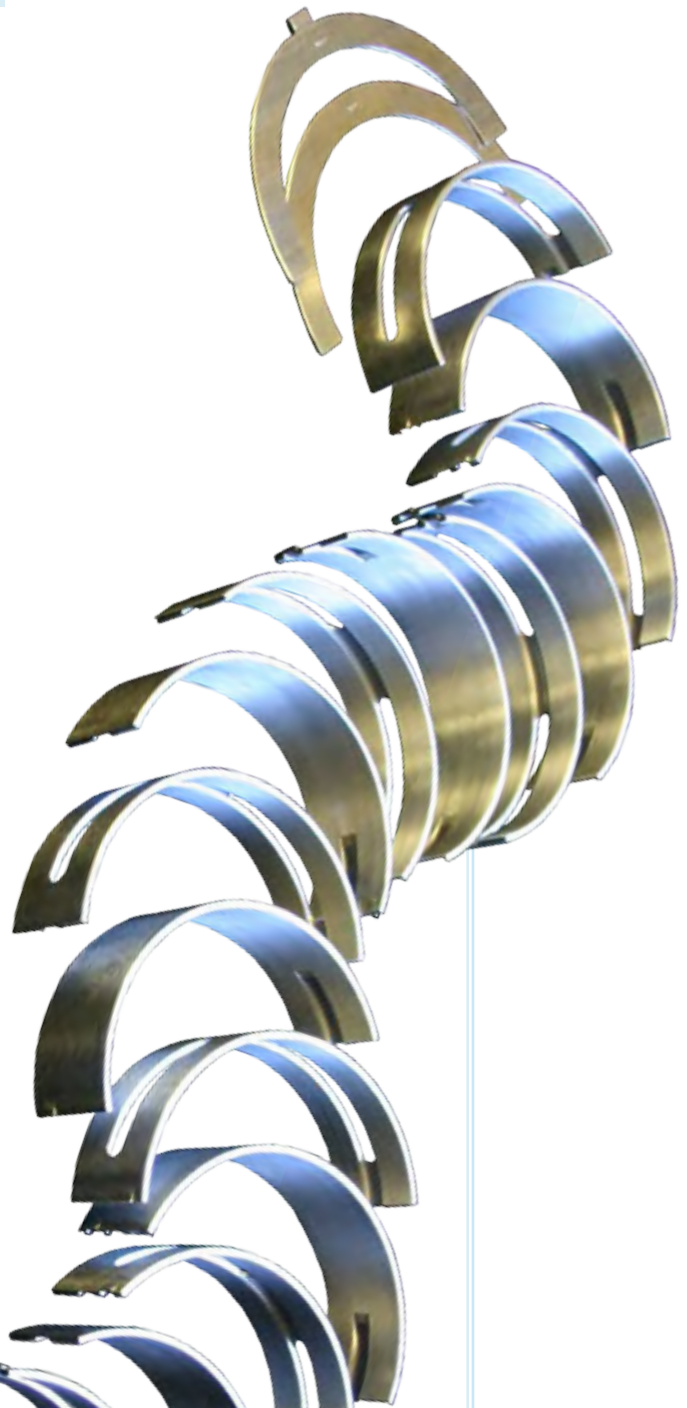
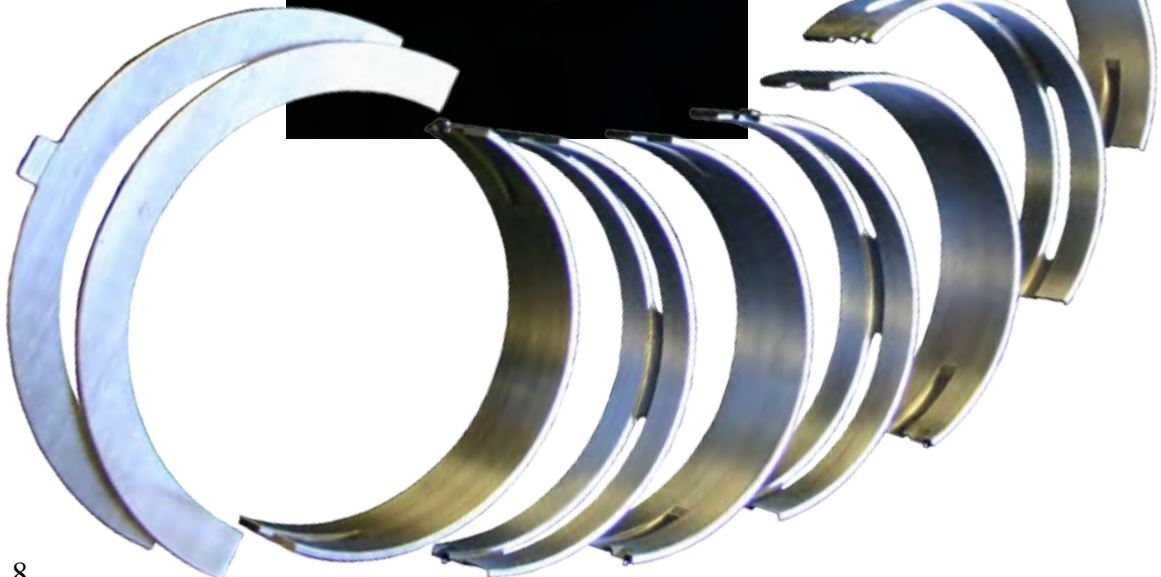
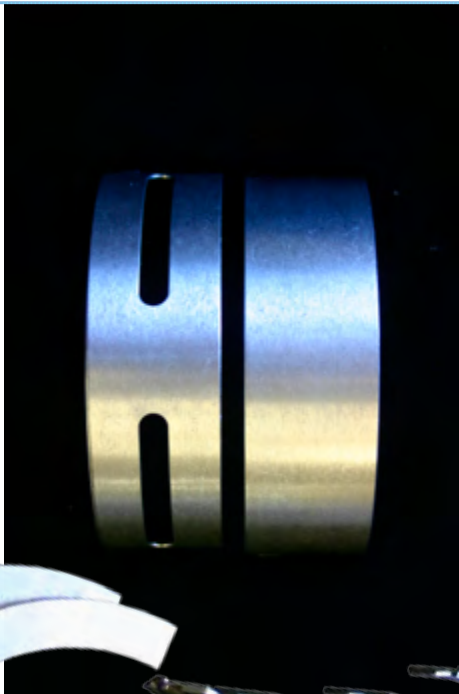
Valves
Guides
Seats
Seals (blue and black)



Valves	
A300036K	Intake Valve
A300036F	Exhaust Valve
Guides	
A300009C	
Seats	
Stem Seals	
A304015B	Black
A304015C	Blue
A304015	Green
Springs	
A300035A	Outside Valve Spring
A300135A	Inside Valve Spring
Retainers	
A304014	Old Style Valve Spring Retainer
A304014A	New Style Valve Spring Retainer
A304013	Lock
Miscellaneous	
A305475B	Spark Plug Sleeve Washer
A305882	Spark Plug Holder O-Ring
A304021	Head Stud Washer
A304721	Head O-Ring
A304391	Oil Bushing

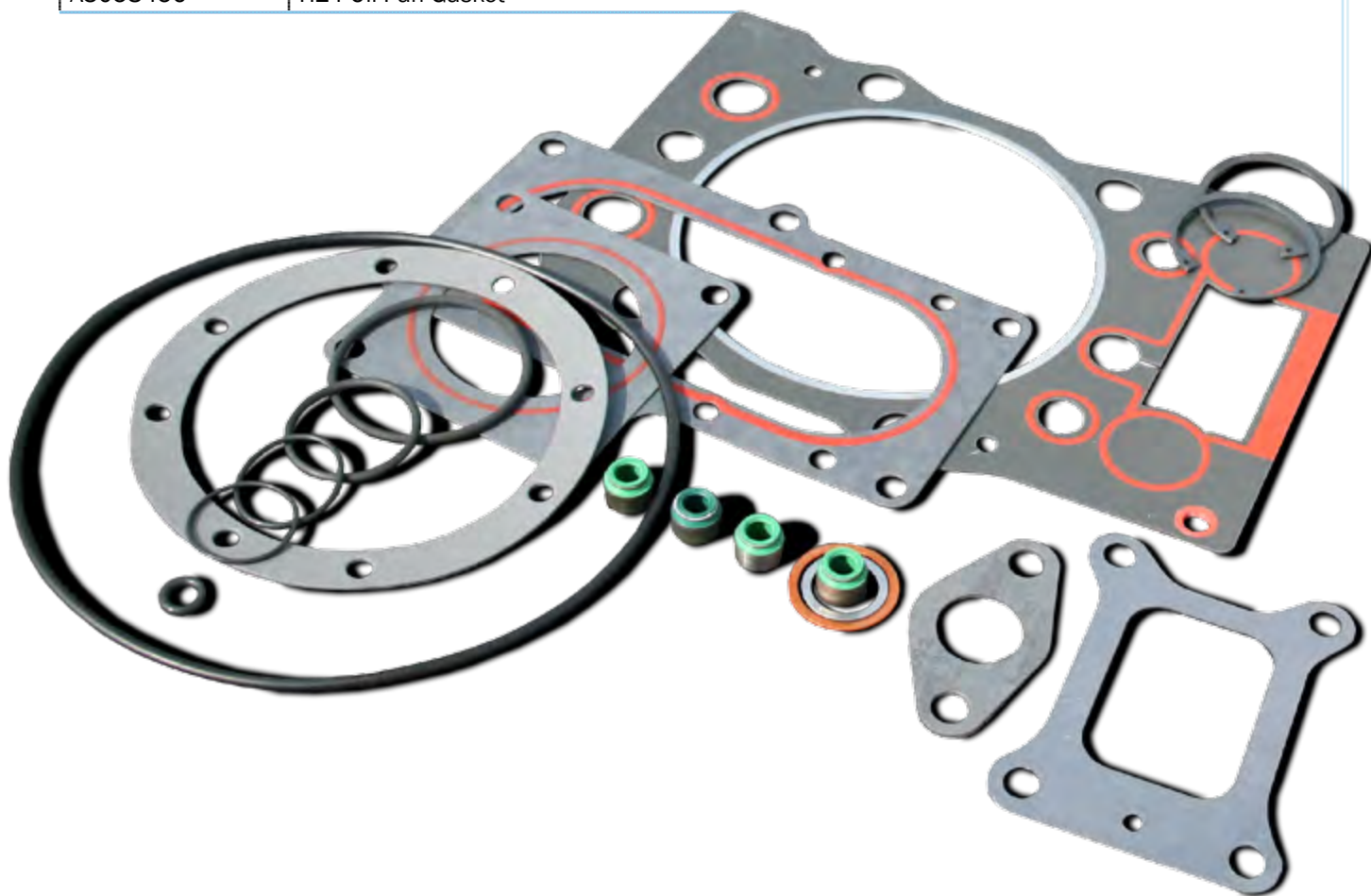
Engine Bearings

Part #	Description	
AA300110G	Connecting Rod Bearing	
A-918-318	Main Bearing Set - F18	
AA300225F	7	Main Bearing
AA304001	2	Thrust Washer
A-918-320	Main Bearing Set - H24	
AA300225F	9	Main Bearing
AA304001	2	Thrust Washer
A300108	Piston Pin Bushing	
A-927-55	Cam Bushing Set - F18	
A300027	1	
A300050	5	
A301053	1	
A-927-56	Cam Bushing Set - H24	
A300027	1	
A300050	7	
A301053	1	



Gaskets and Gasket Sets

Part #	Description
Top Gasket Set	
A-979-276	F18 Top Gasket Set
A-979-278	H24 Top Gasket Set
A-977-60	Single Head Gasket Set
Bottom Gasket Set	
A-900-1039	F18 Bottom Gasket Set
A-900-1041	H24 Bottom Gasket Set
Individual Gaskets	
A300000D	Head Gasket
A304746A	Rocker Arm Cover O-Ring
A304250B	Exhaust Manifold Gasket
A304324C	Water Manifold Gasket
A305845B	F18 Oil Pan Gasket
A305845C	H24 Oil Pan Gasket

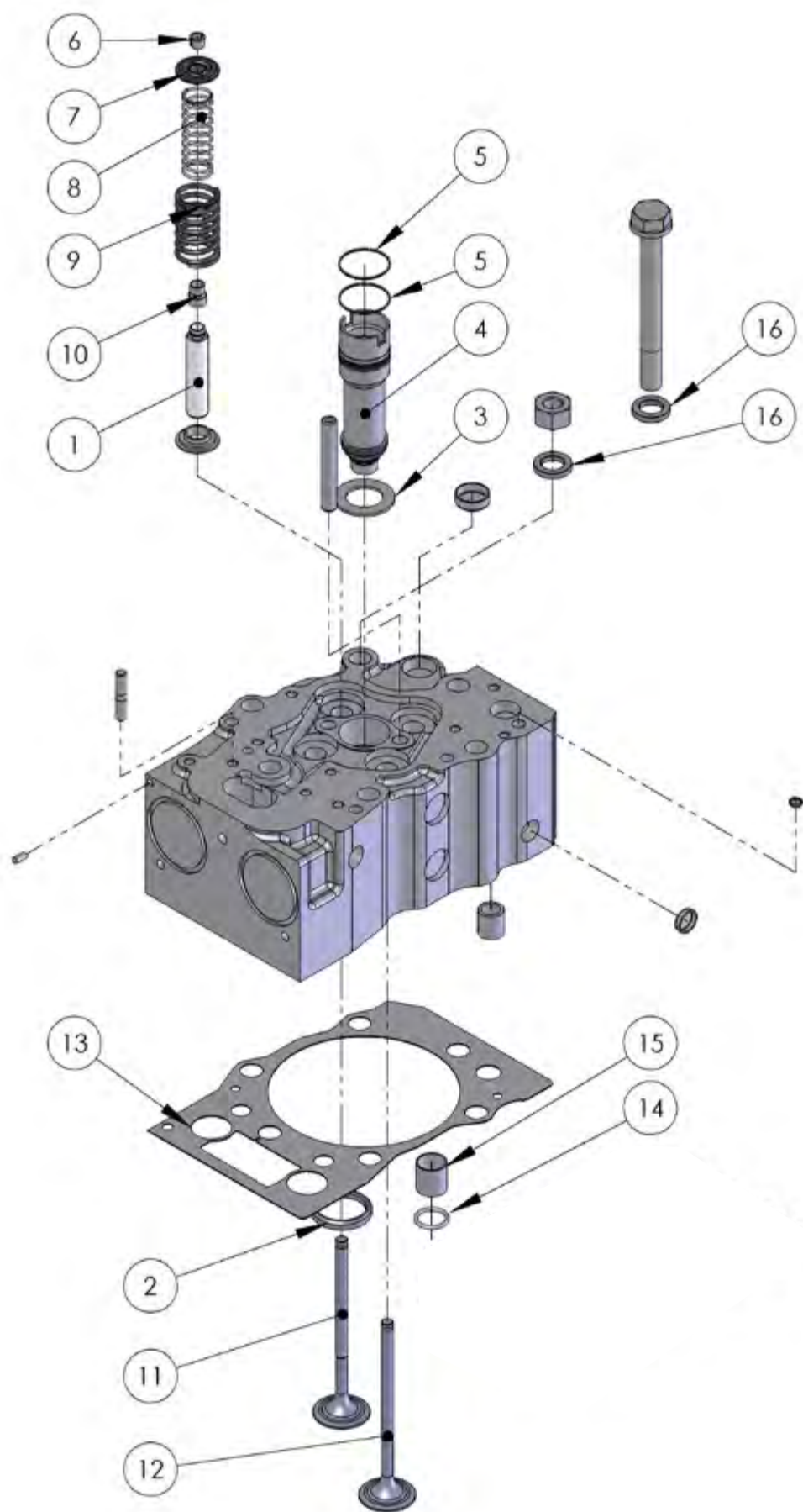


Water Pump Kits

Part #	Description	Part #	Description
Water Pump Kit F18G and H24G		Auxiliary Water Pump Kit F18GL and H24GL	
A-960-298	Complete Kit	A-960-274	Complete Kit
A294927	Ring Retainer	A489119	Spring Holder
A294928	Ring Retainer M47	A496177	Mechanical Seal
A300056G	Shaft	A496690	Gasket
A300063	Impeller	A496858	Shaft
A304079A	Bearing	A496877	Impeller
A304089	Bearing	A496880	Impeller Nut
A304303B	Impeller Nut	104A-#6	Woodruff Key
A304307A	Shaft Spacer	A-960-274L	Kit Less Impeller
A304308	Shaft Spacer	A-960-274LS	Kit Less Impeller & Shaft
A304397	Seal		
A304436	Washer		
A304752	O-Ring		
A304754	O-Ring		
A304755	O-Ring		
A305289D	Seal		
A305751	Nut		
A304437	Nut		
A305752	Key		
A305197C	Gasket		
A-960-298L	Kit Less Impeller		
A-960-298LS	Kit Less Impeller & Shaft		
Water Pump Kit F18GL and H24GL			
A-960-299	Complete Kit		
A294927	Ring Retainer		
A294928	Ring Retainer M47		
A300056G	Shaft		
A300063	Impeller		
A304079A	Bearing		
A304089	Bearing		
A304303B	Impeller Nut		
A304307A	Shaft Spacer		
A304397	Seal		
A304752	O-Ring		
A304754	O-Ring		
A304822	Copper Washer Gasket		
A305751	Nut		
A295537	Lock Nut		
A305752	Key		
A305197C	Gasket		
A-960-299L	Kit Less Impeller		
A-960-299LS	Kit Less Impeller & Shaft		

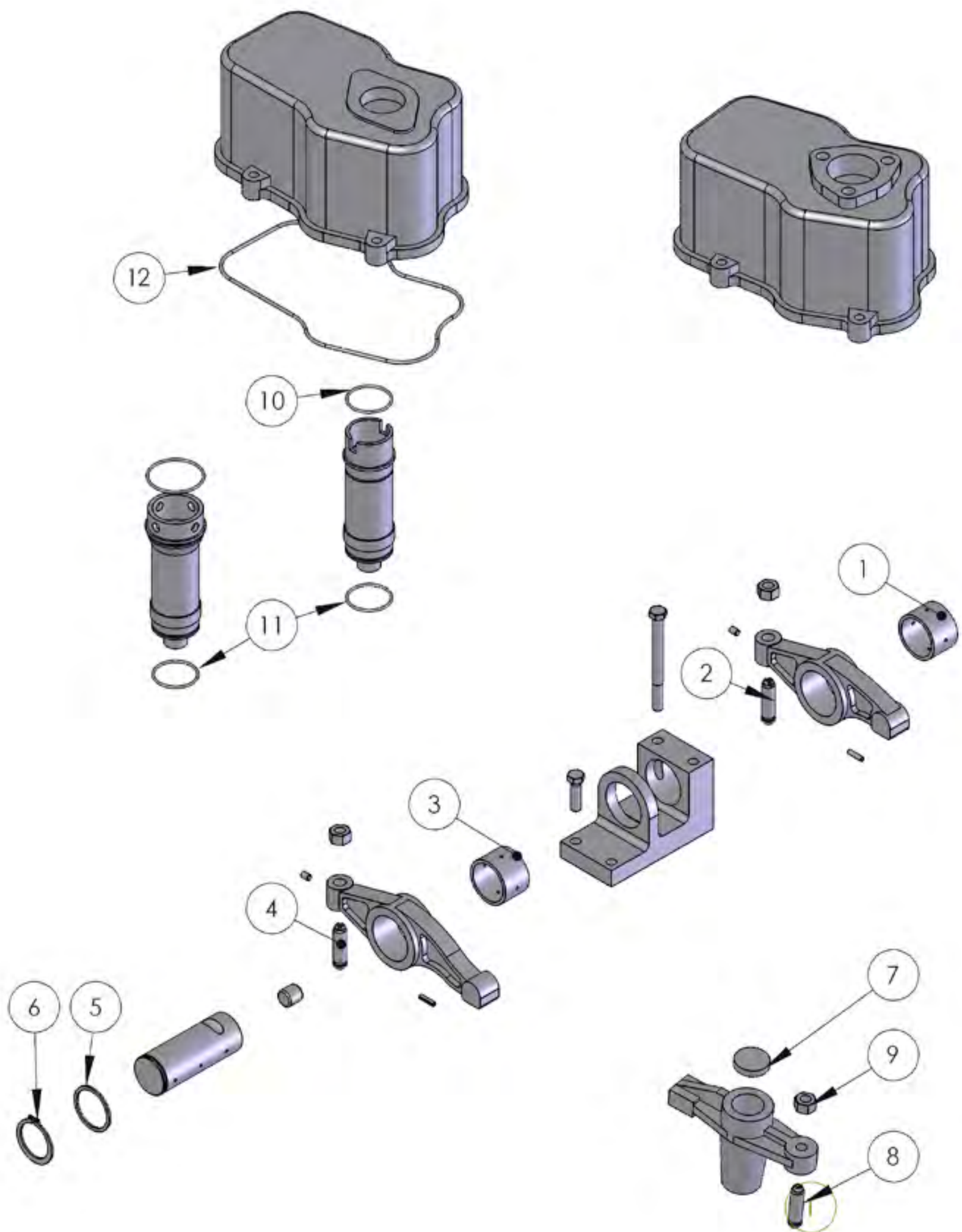


Parts Listing by Function



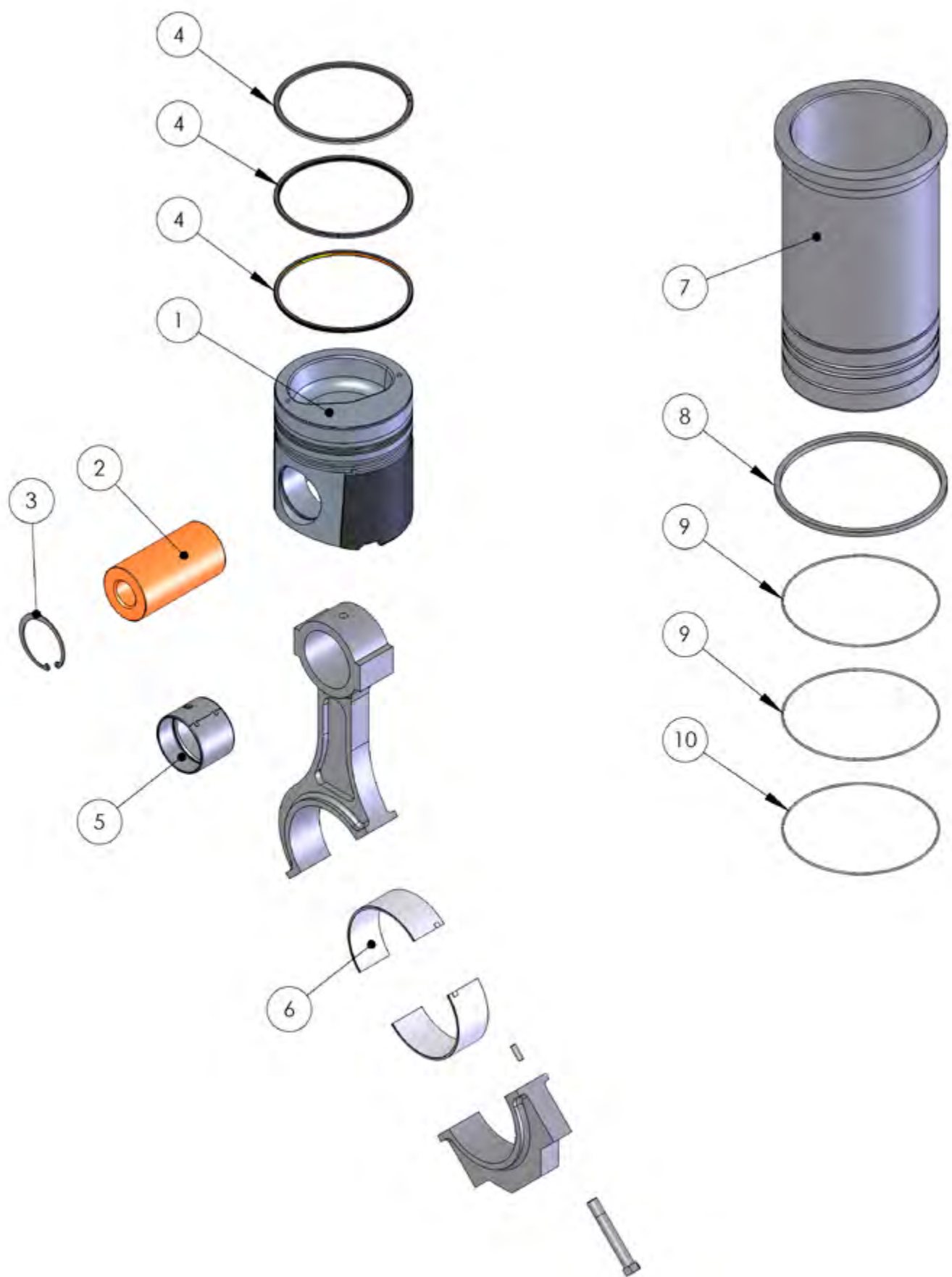
Cylinder Head

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A300009C		24	24	24	24		32	32	32	32	Valve Guide
2	A304010L	24	24	24	24	24	32	32	32	32	32	Insert Valve Seat
3	A305475B	6	6	6	6	6	8	8	8	8	8	Washer, Spark Plug Sleeve
4	A305003J	6	6	6	6	6	8	8	8	8	8	Sleeve, Spark Plug
5	A305882	12	12	12	12	12	16	16	16	16	16	O-Ring, Spark Plug Holder
6	A304013	48	58	48	48	48	64	64	64	64	64	Lock, Valve, Split
7	A304014	24	24				32	32				Retainer, Valve Spring
	A304014A			24	24	24			32	32	32	
8	A300135A	24	24	24	24	24	32	32	32	32	32	Spring, Nbl. Inside Valve
9	A300035A	24	24	24	24	24	32	32	32	32	32	Spring, Nbl. Outside Valve
10	A304015	24				24	32				32	Seal, Valve Stem
	A304015B				24	24				32	32	Seal, Valve Stem, Black
	A304015C		24	12	24	24		32	16	32	32	Seal, Valve Stem, Blue
11	A300036K	12	12	12	24	24	16	16	16	32	32	Valve, Intake
12	A300036F		12					16				Valve, Coated Stem , Exhaust
13	A300000D	6	6	6	6	6	8	8	8	8	8	Gasket, Cylinder Head, Turbo
14	A304721	6	6	6	6	6	8	8	8	8	8	O-Ring, Cylinder Head
15	A304391	6	6	6	6	6	8	8	8	8	8	Bushing, Oil
16	A304021	36	36	36	36	36	48	48	48	48	48	Washer, Injection Sleeve
	A-977-60	6	6	6	6	6	8	8	8	8	8	Gasket Set, Head, Single
	A-979-276	1	1	1	1	1						Gasket Set, Top, F18G, 8.7:1
	A-979-278						1	1	1	1	1	Gasket Set, H24G



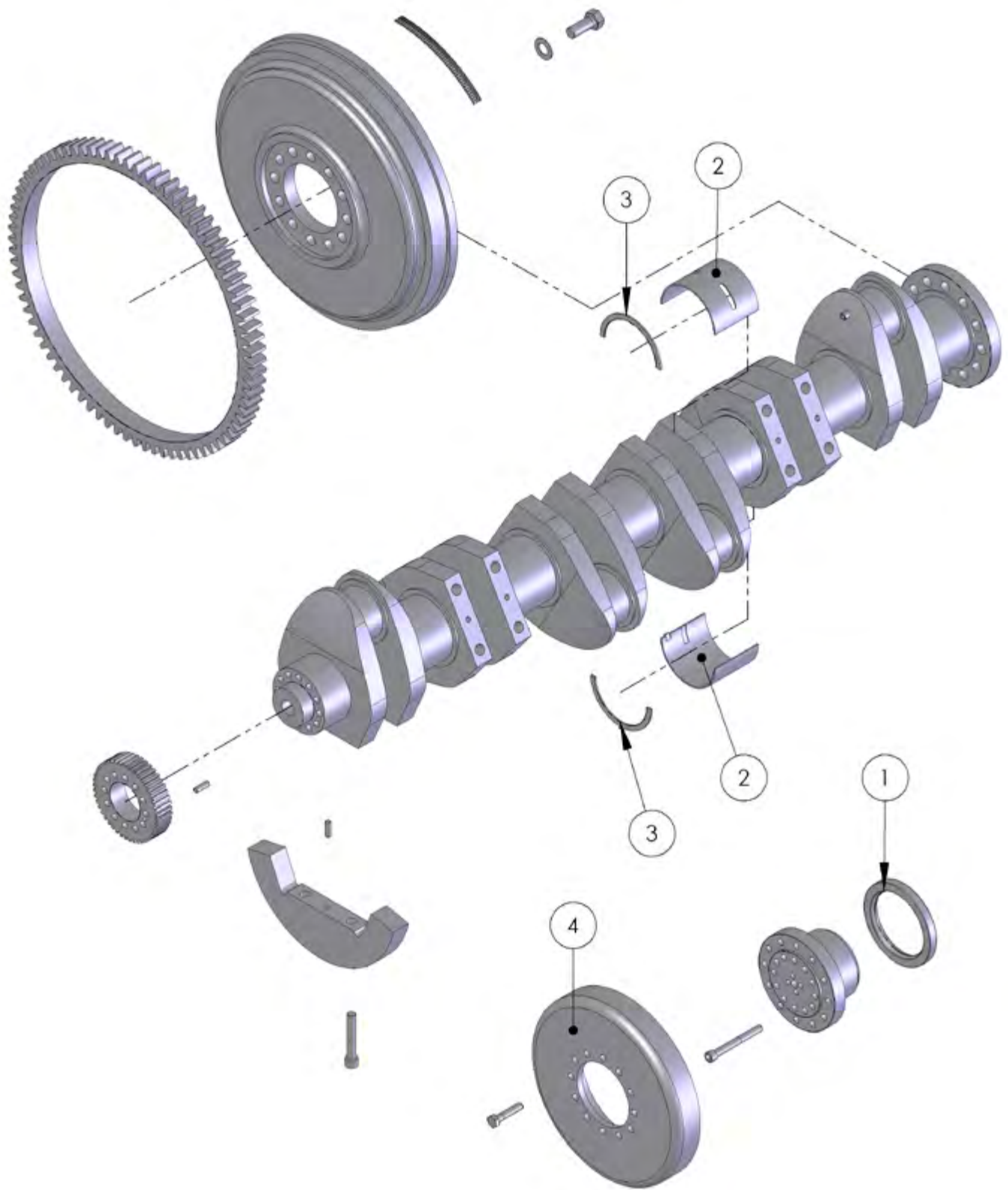
Rocker Arm and Cover

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A300048C	6	6		6	6	8	8		8	8	Bearing, Rocker Arm
2	A304040A	6	6	6	6	6	8	8	8	8	8	Socket, Ball
3	A300048C	6	6	6	6	6	8	8	8	8	8	Bearing, Rocker Arm
4	A304040A	6	6	6	6	6	8	8	8	8	8	Socket, Ball
5	A304043	6	6	6	6	6	8	8	8	8	8	Washer, Rocker Arm
6	A290302	6	6	6	6	6	8	8	8	8	8	Ring, Retaining, Ext.
7	A304004	12	12	12	12	12	16	16	16	16	16	Cross Bar Seat
8	A304005	12	12	12	12	12	16	16	16	16	16	Screw, Adjusting
9	A304057	12	12	12	12	12	16	16	16	16	16	Nut, Valve, Adjusting
10	A304745P	6	6	6	6	6	8	8	8	8	8	O-Ring, 1.38 x 1.56 x .09, Viton
11	A305621	6	6	6	6	6	8	8	8	8	8	O-Ring
12	A304746A	6	6	6	6	6	8	8	8	8	8	O-Ring, Rocker Arm Cover



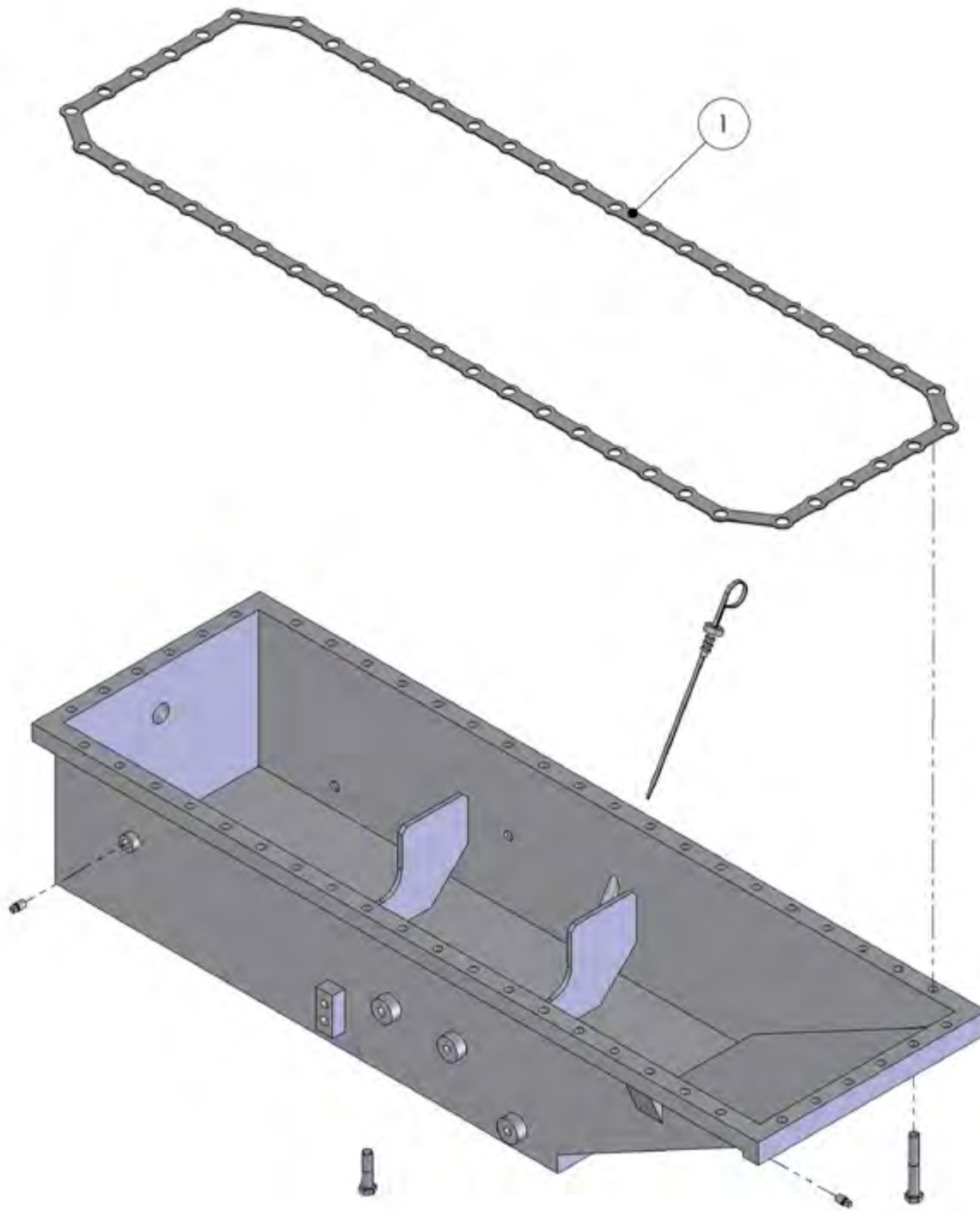
Piston, Connecting Rod and Sleeve

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A300304K	6			6	6	8			8	8	Piston, 11:1
	A300404C				6					8		Piston, 8.7:1
2	A300006A	6	6	6	6	6	8	8	8	8	8	Pin, Piston
3	A294925	12	12	12	12	12	16	16	16	16	16	Ring Retainer
4	A-907-230	6			6	6	8			8	8	Piston Ring Set, 11:1
	A-907-240		6		6			8		8		Piston Ring Set, 8.7:1
5	A300108	6	6	6	6	6	8	8	8	8	8	Nbl, Bushing, Piston Pin
6	AA300110G	6	6	6	6	6	8	8	8	8	8	Nbl Bearing Assembly Rod
7	A300030E	6			6	6	8			8	8	Sleeve
8	A211670	6	6	6	6	6	8	8	8	8	8	O-Ring, Square Cut
9	A304024A	12	12	12	12	12	16	16	16	16	16	O-Ring, Cylinder Liner, Middle & Top
10	A304025A	6	6	6	6	6	8	8	8	8	8	O-Ring, Cylinder Liner, Bottom
	A-932-264	6			6	6	8			8	8	Sleeve Kit, 11:1 (Items 1-4,7-10)
	A-932-279		6		6			8		8		Sleeve Kit, 8.7:1 (Items 1-4,7-10)



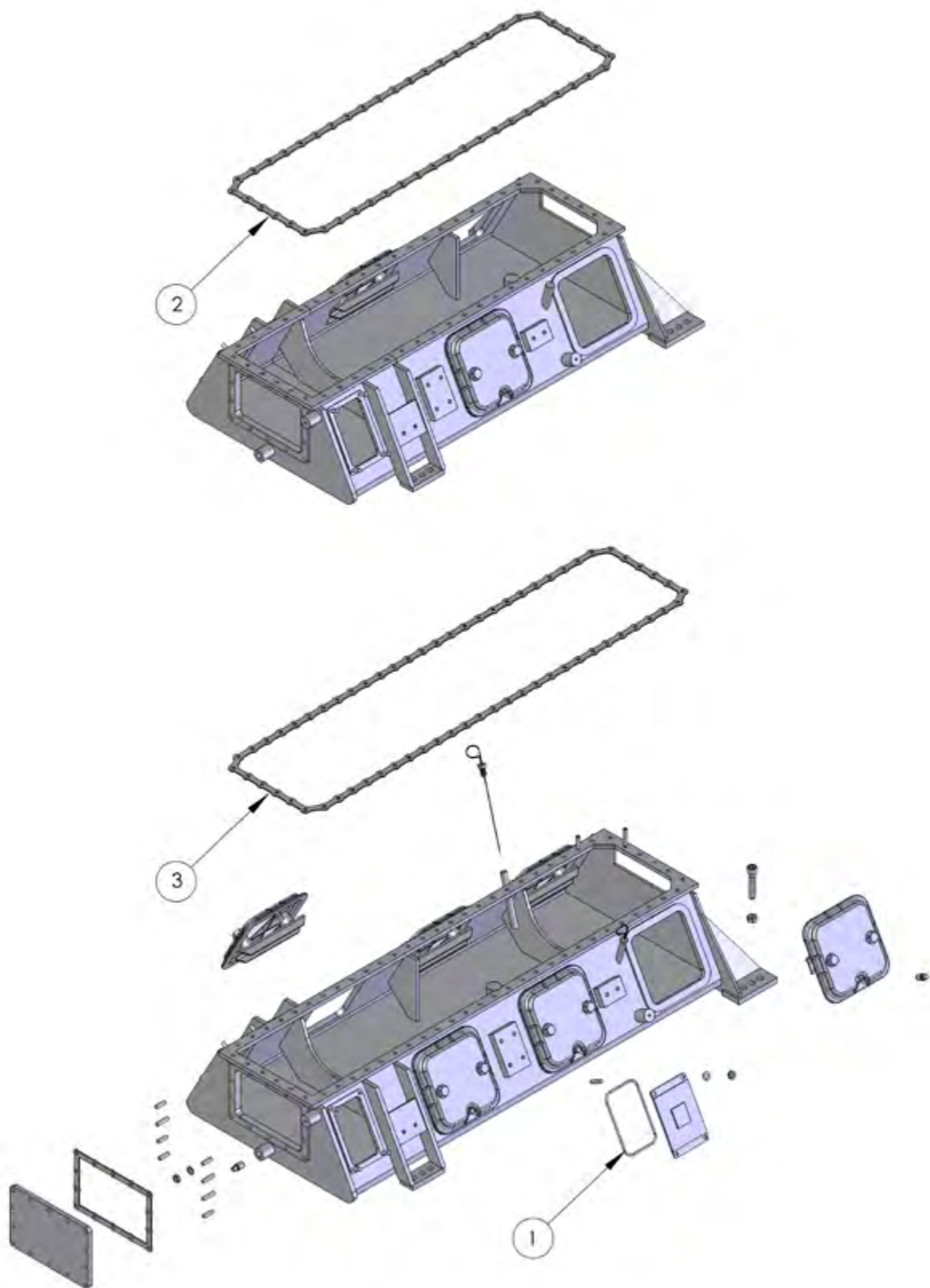
Crankshaft

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A304823B	1	1	1	1	1	1	1	1	1	1	Seal, Crankshaft, Front
2	AA300225F	7	7	7	7	7	9	9	9	9	9	Nbl, Bearing Assembly, Main
3	AA304001	2	2	2	2	2	2	2	2	2	2	Nbl, Washer Assembly, Thrust
4	A304889B						1	1	1	1	1	Damper, Vibration
	A-918-318	1	1	1	1	1						Main Bearing Set, F18
	A-918-320						1	1	1	1	1	Main Bearing Set, H24



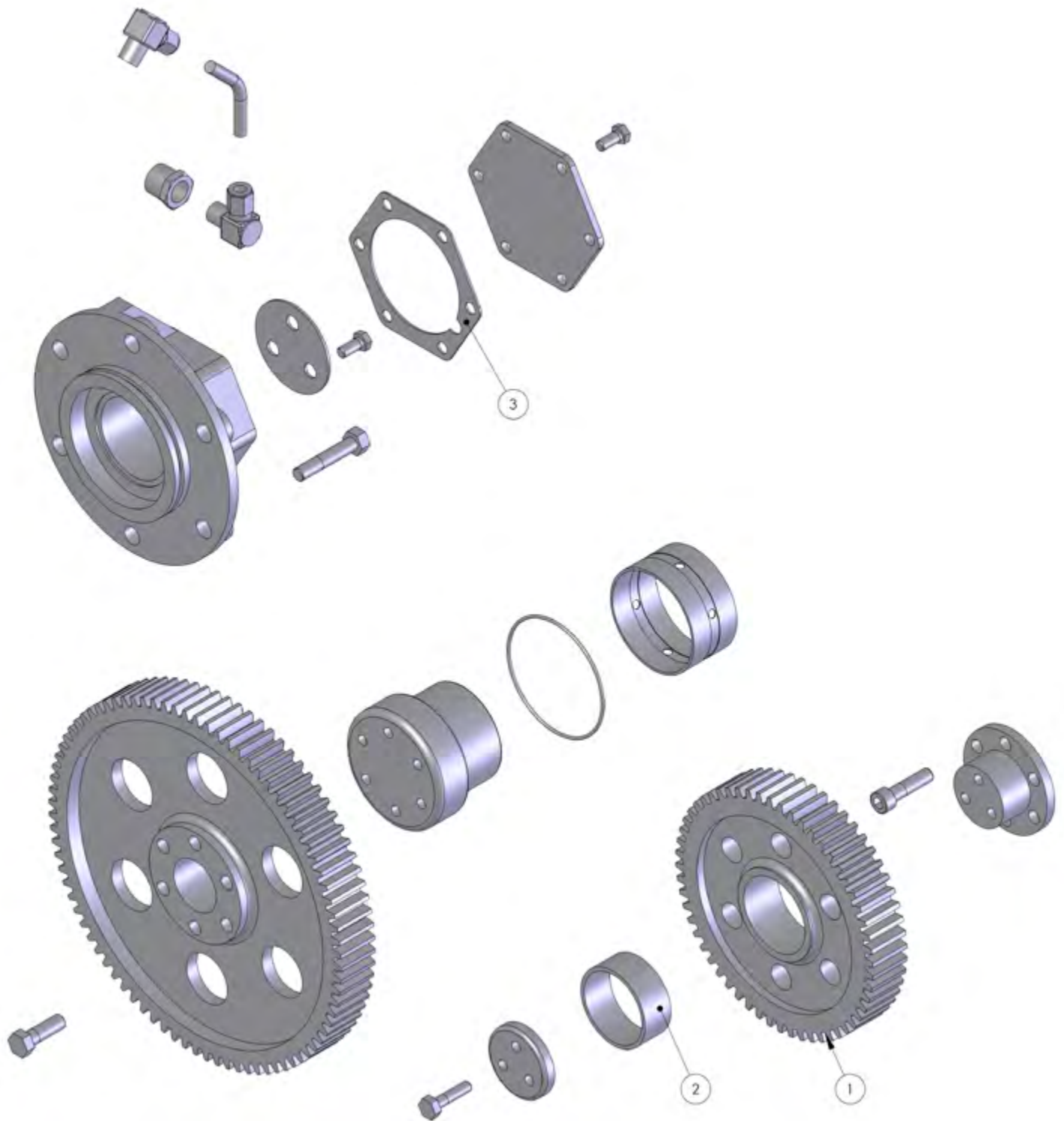
Oil Pan

	Part #	F18				H24				Description
		G	GSID	GL	GLD	G	GSID	GL	GLD	
1	A305845B	1	1	1	1					Gasket, Oil Pan, F18
	A305845C					1	1	1	1	Gasket, Oil Pan, H24



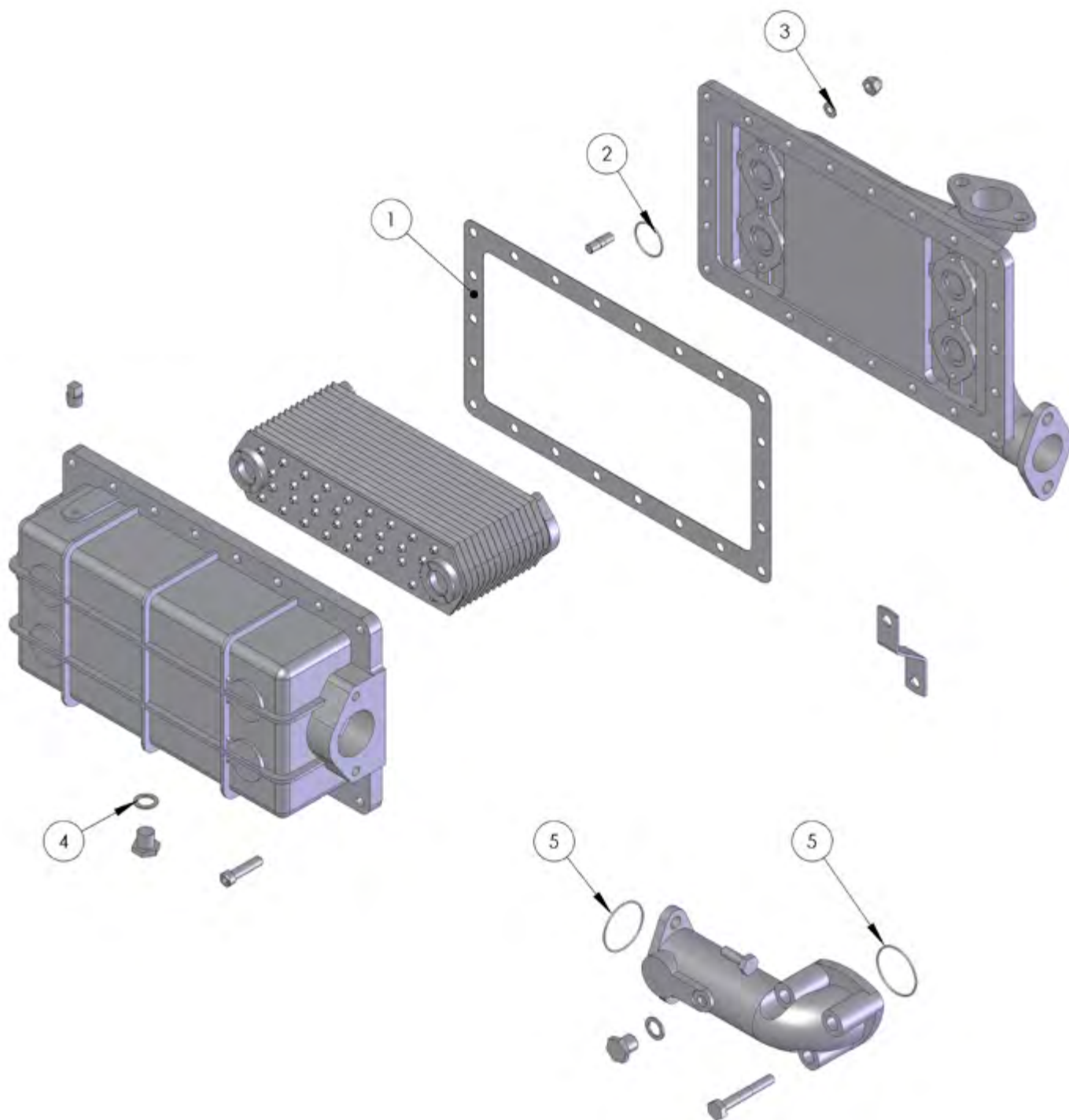
High Capacity Oil Pan

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A304707B	2	2	2	2	2	2	2	2	2	2	O-Ring, Cam Door
2	A305845B	1	1	1	1	1						Gasket, Oil Pan, F18
3	A305845C						1	1	1	1	1	Gasket, Oil Pan, H24



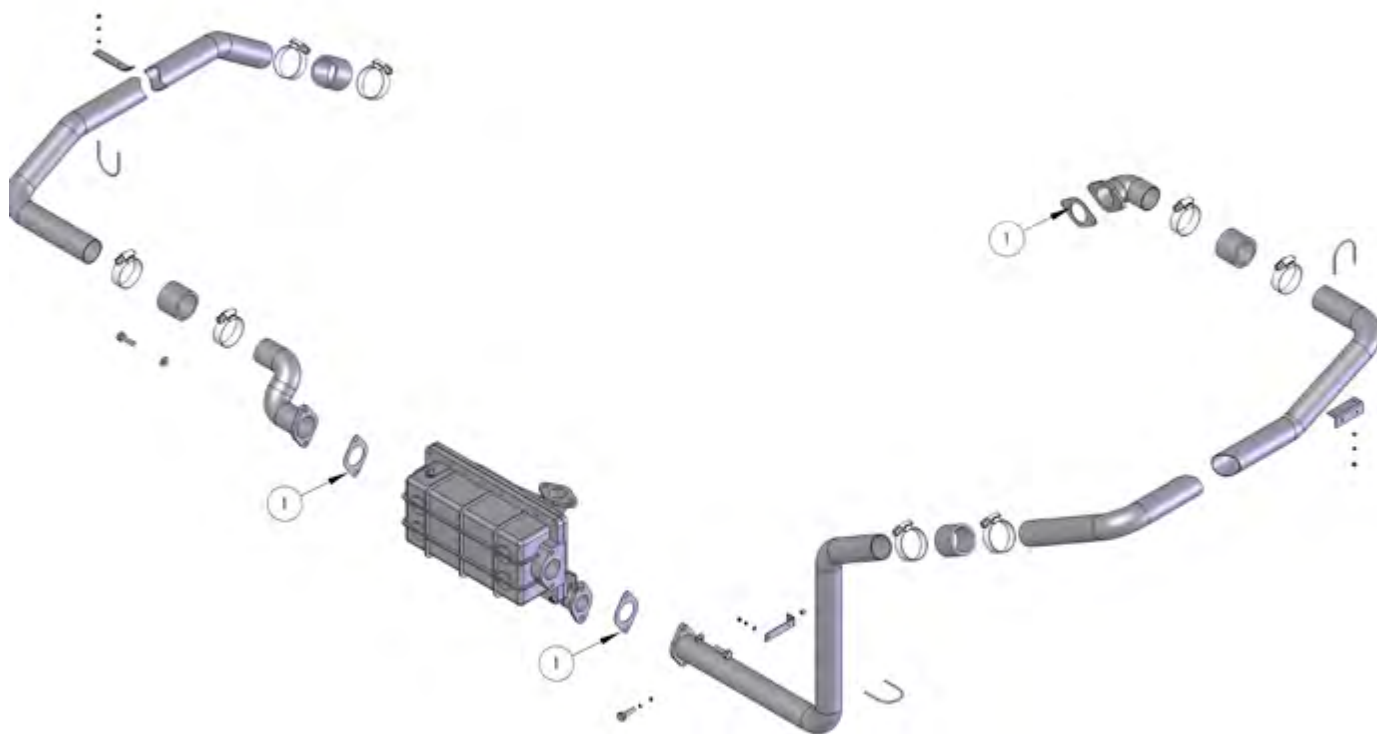
Intermediate Idler Gear, Water Pump Idler Gear

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A301015C	1	1	1	1	1	1	1	1	1	1	Gear, Idler Bearing
2	A305086A	1	1	1	1	1	1	1	1	1	1	Bushing, Intermediate Gear
3	A305136A	1	1	1	1	1	1	1	1	1	1	Gasket, Water Pump Idler



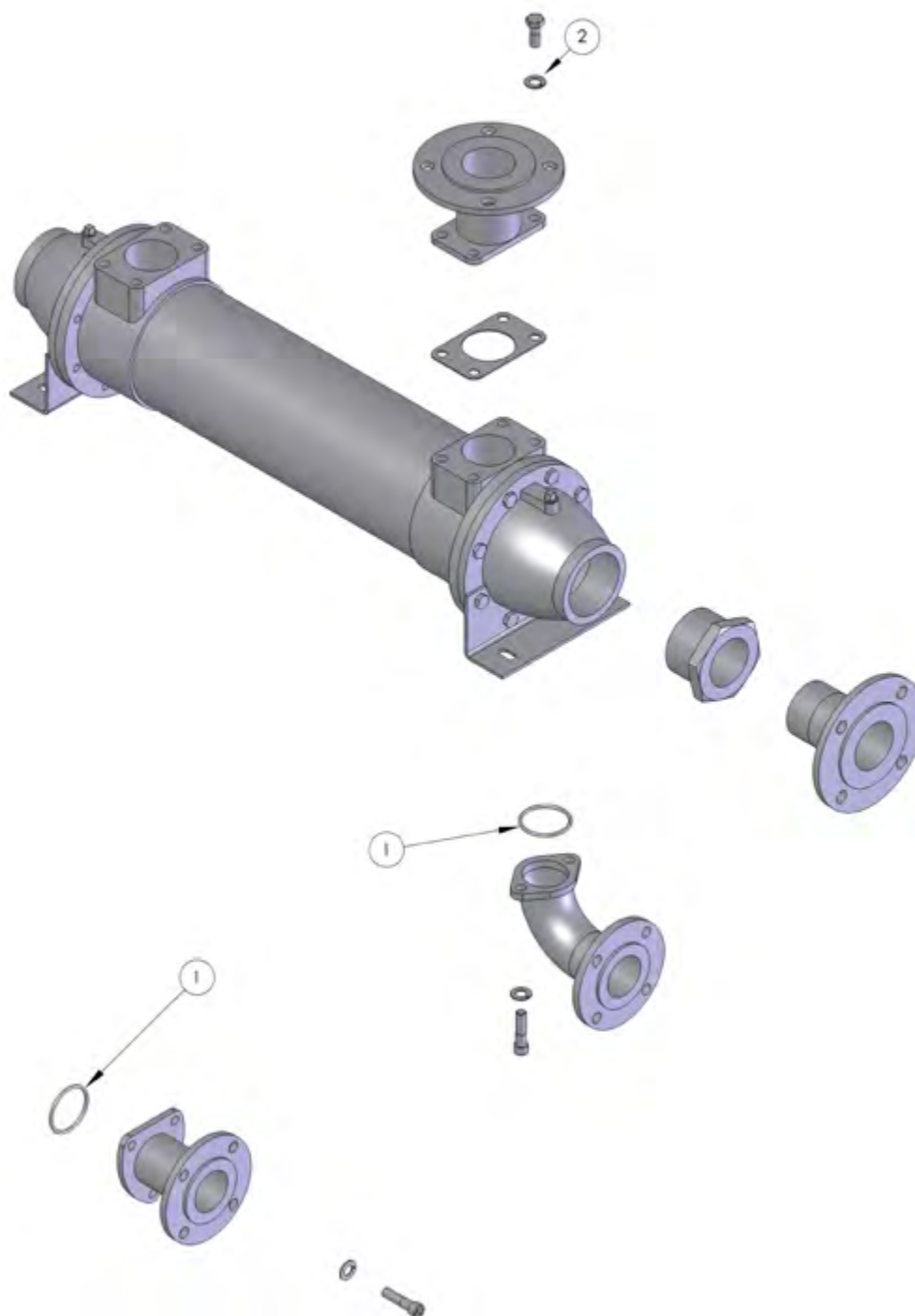
Oil Cooler

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A304122	1	1	1	1	1	1	1	1	1	1	Gasket, Oil Cooler
2	A294931	4	4	4	4	4	4	4	4	4	4	O-Ring
3	A304739	8	8	8	8	8	8	8	8	8	8	Gasket, Copper Washer
4	A305197C	1	1	1	1	1	1	1	1	1	1	Gasket
5	A304760	2	2	2	2	2	2	2	2	2	2	O-Ring



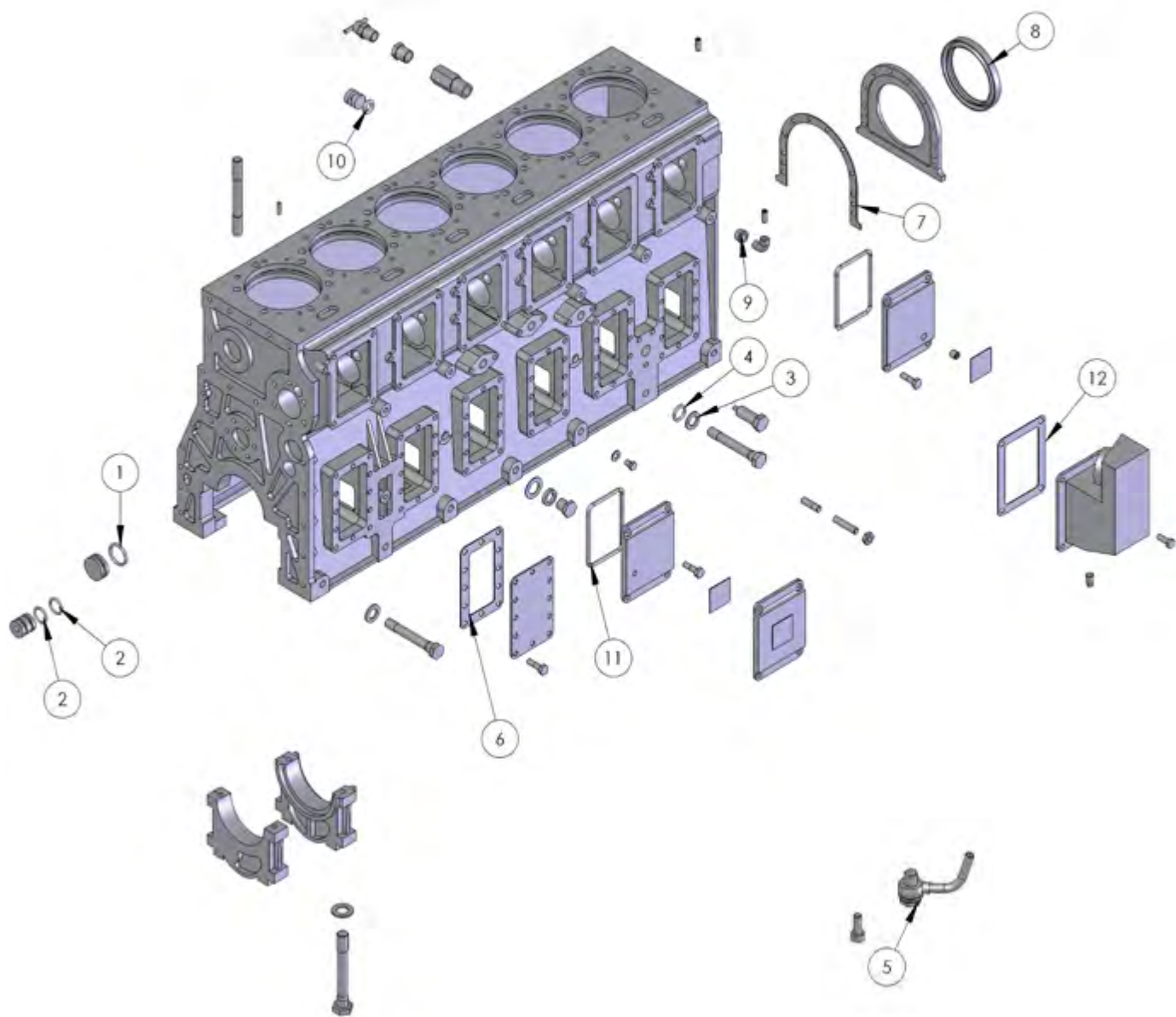
Oil Cooler Connections, Naturally Aspirated

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A304314	3					3					Gasket



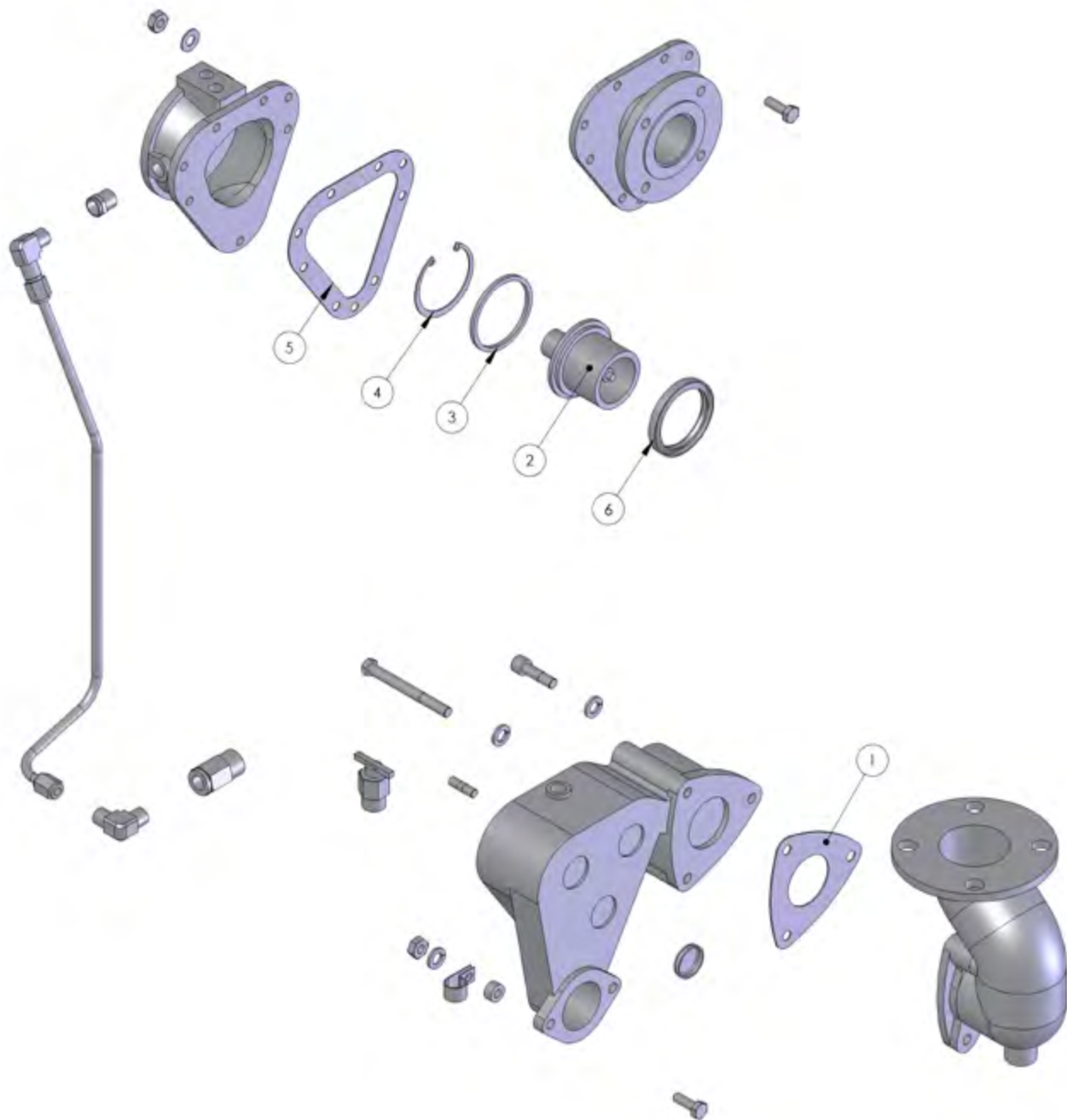
Oil Cooler, Remote

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A304760		2	2				2	2			O-Ring
2	1A1/2		8	8				8	8			Lock Washer



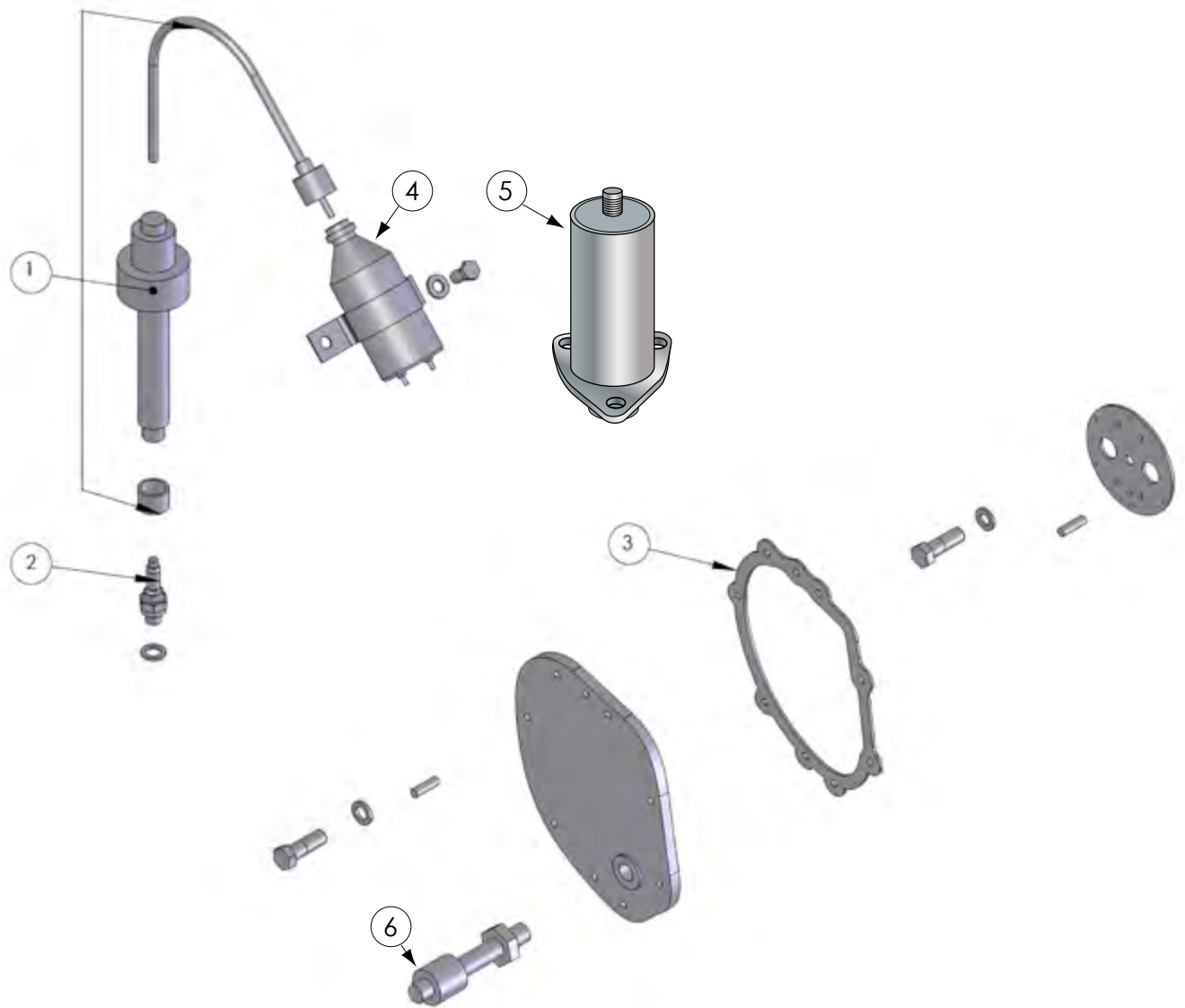
Crankcase

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A304745C	2	2	2	2	2	2	2	2	2	2	O-Ring
2	A304745	4	4	4	4	4	4	4	4	4	4	O-Ring, 20 x 3 Viton
3	A304820	2	2	2	2	2	2	2	2	2	2	Washer
4	A304821	2	2	2	2	2	2	2	2	2	2	O-Ring
5	A305197B	6	6	6	6	6	8	8	8	8	8	Gasket, Copper Washer
6	A304708A	6	6	6	6	6	8	8	8	8	8	Gasket, Inspection Cover
7	A305430B	1	1	1	1	1	1	1	1	1	1	Gasket, Oil Retainer
8	A304047	1	1	1	1	1	1	1	1	1	1	Rear Oil Seal
9	A305156	1	1	1	1	1	1	1	1	1	1	Adapter, Pipe, M14 x 3/8 NPT
10	A304731	1					1					Gasket, Copper Washer
11	A304707B	5	6	6	5	5	7	8	8	7	7	O-Ring, Cam Door
12	A305067A	1			1	1	1			1	1	Gasket, Camshaft Inspection Door



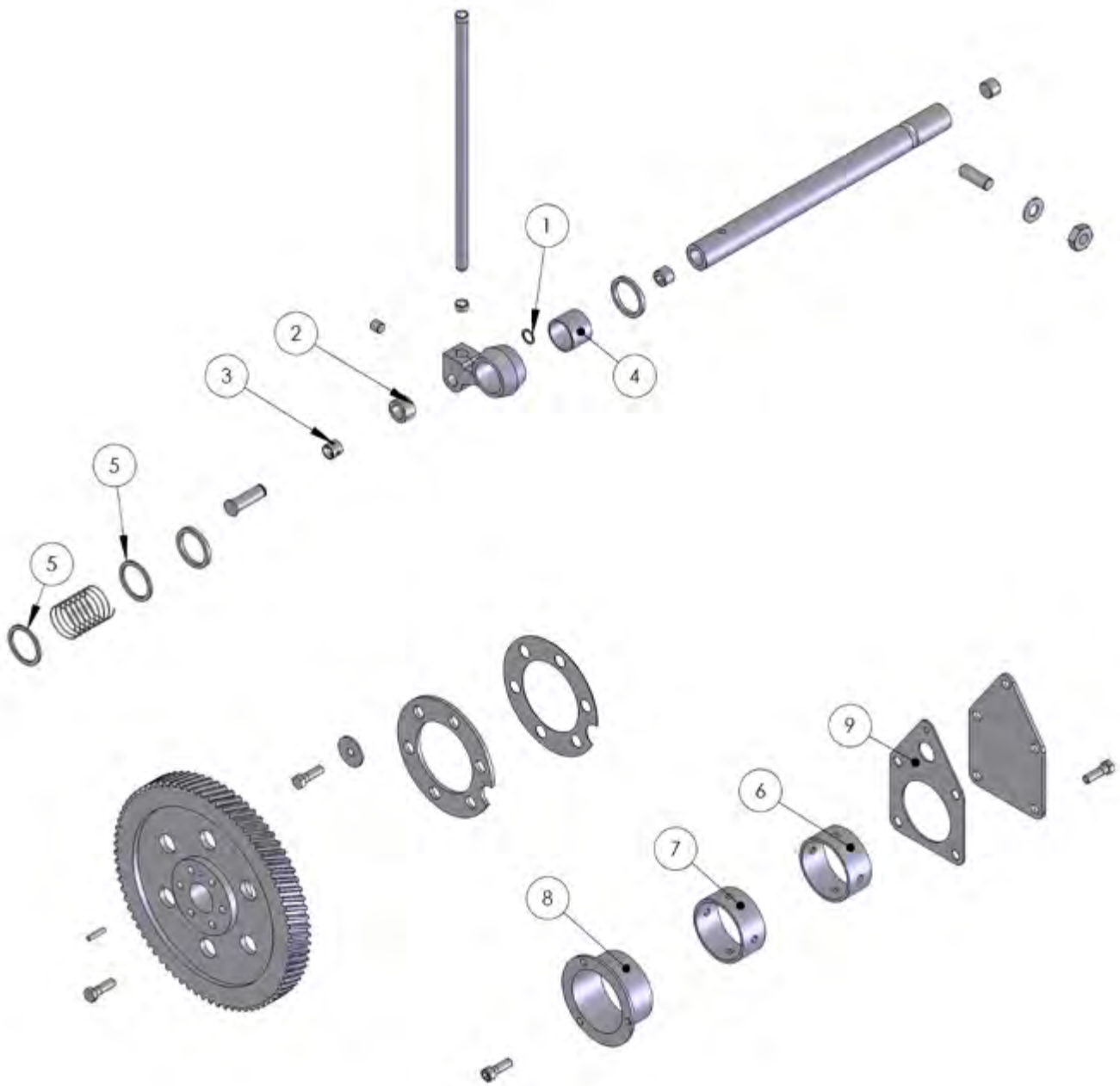
Water Outlet - Thermostat Housing

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A304317	1	1	1	1	1	1	1	1	1	1	Gasket
2	A211877E	3	3	3	3	3	3	3	3	3	3	Thermostat, 190 Deg F.
3	A304325	3	3	3	3	3	3	3	3	3	3	Washer, Thermostat, End
4	A294927	3	3	3	3	3	3	3	3	3	3	Ring, Retainer
5	A304309	1	1	1	1	1	1	1	1	1	1	Gasket, Thermostat Box
6	HW153610	3	3	3	3	3	3	3	3	3	3	Seal, Thermostat



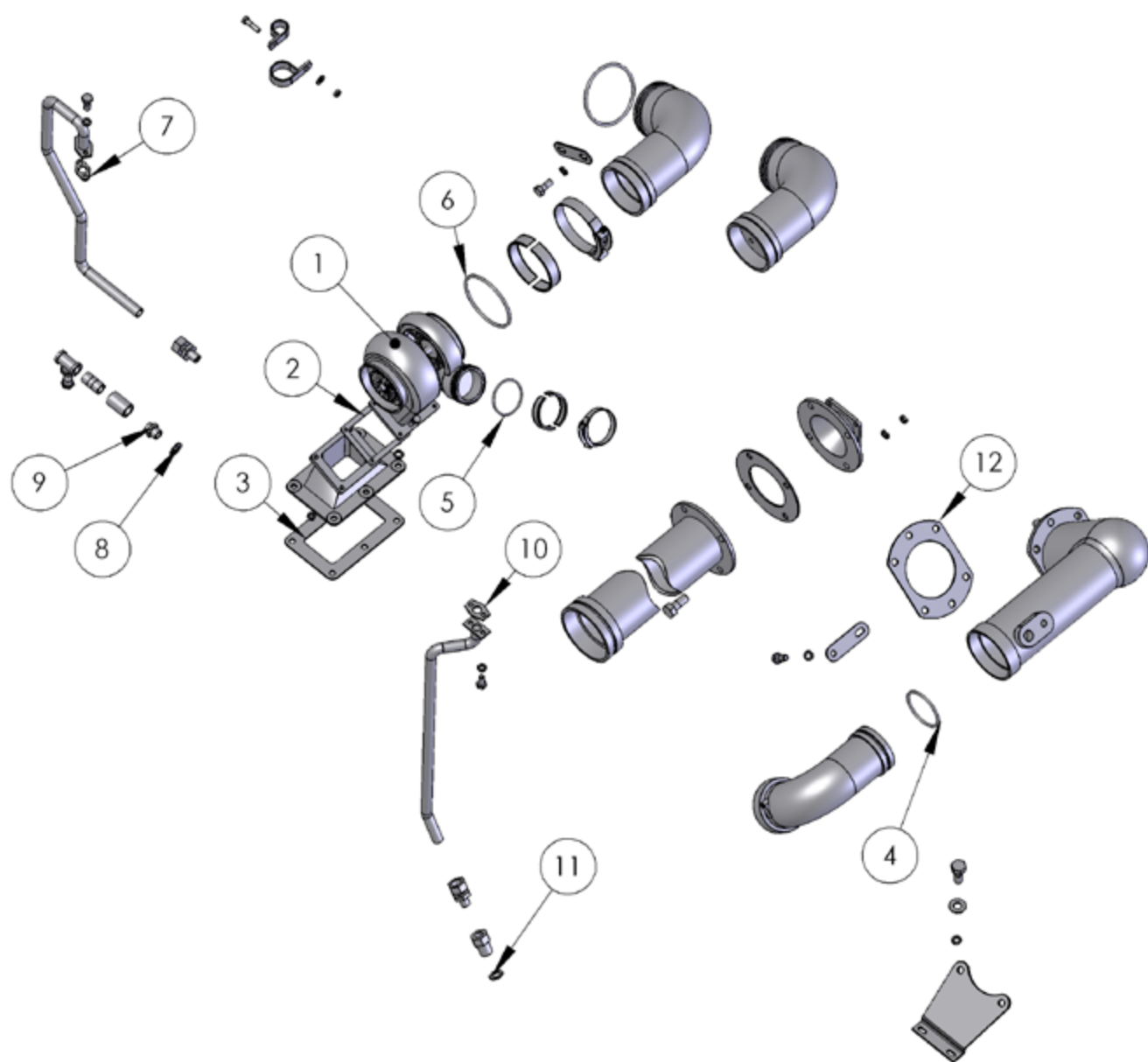
Ignition

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A211357NS	6	6	6	6	6	8	8	8	8	8	Cable Assembly, Spark Plug
	A211357S	6	6	6	6	6	8	8	8	8	8	
2	A60999S		6					8				Spark Plug, 18mm x .81, Large Thread
3	A305141D	1	1	1	1	1	1	1	1	1	1	Gasket, Governor Drive Housing
4	A501-061	6	6	6	6	6	8	8	8	8	8	Ignition Coil, 2 Hole
5	A591-018	6	6	6	6	6	8	8	8	8	8	Ignition Coil, 3 Hole
6	HW295844A	1	1	1	1	1	1	1	1	1	1	Hall-Effect Pickup



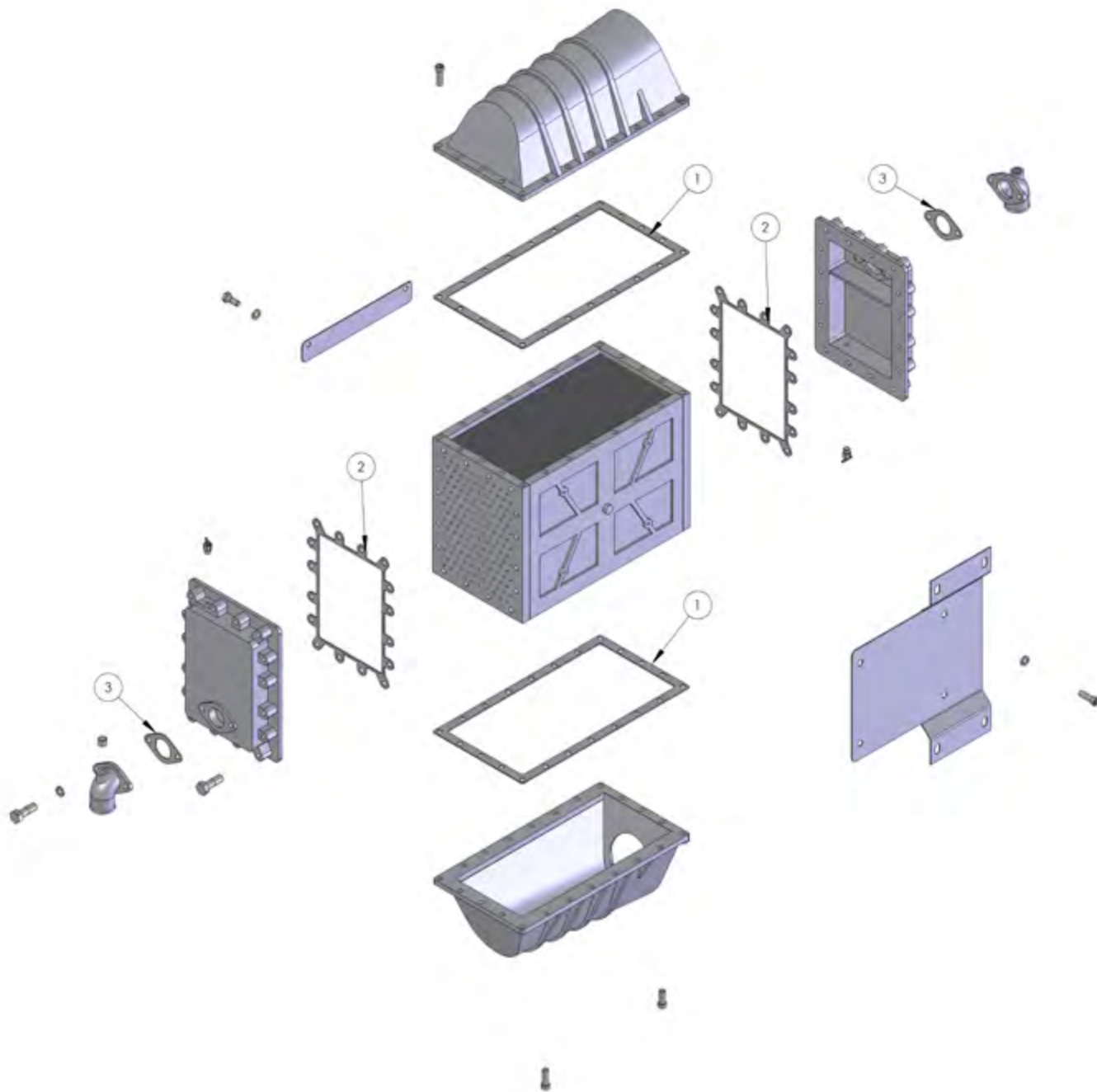
Camshaft, Push Rod and Auxiliary Rocker Arm

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A294926	24	24	24	24	24	32	32	32	32	32	Retainer Clip
2	A304033A	12	12	12	12	12	16	16	16	16	16	Cam Roller
3	A304032D	12	12	12	12	12	16	16	16	16	16	Bushing, Cam Follower
4	A300048C	12	12	12	12	12	16	16	16	16	16	Bearing, Rocker Arm
5	A304039	12	12	12	12	12	16	16	16	16	16	Washer, Spring
6	A301053	1	1	1	1	1	1	1	1	1	1	Bushing
7	A300050	5	5	5	5	5	7	7	7	7	7	Bushing
8	A300027	12	12	12	12	12	16	16	16	16	16	Bushing, Camshaft
9	A304792	1	1	1	1	1	1	1	1	1	1	Gasket
	A-927-55	1	1	1	1	1						Cam Bushing Set
	A-927-56						1	1	1	1	1	



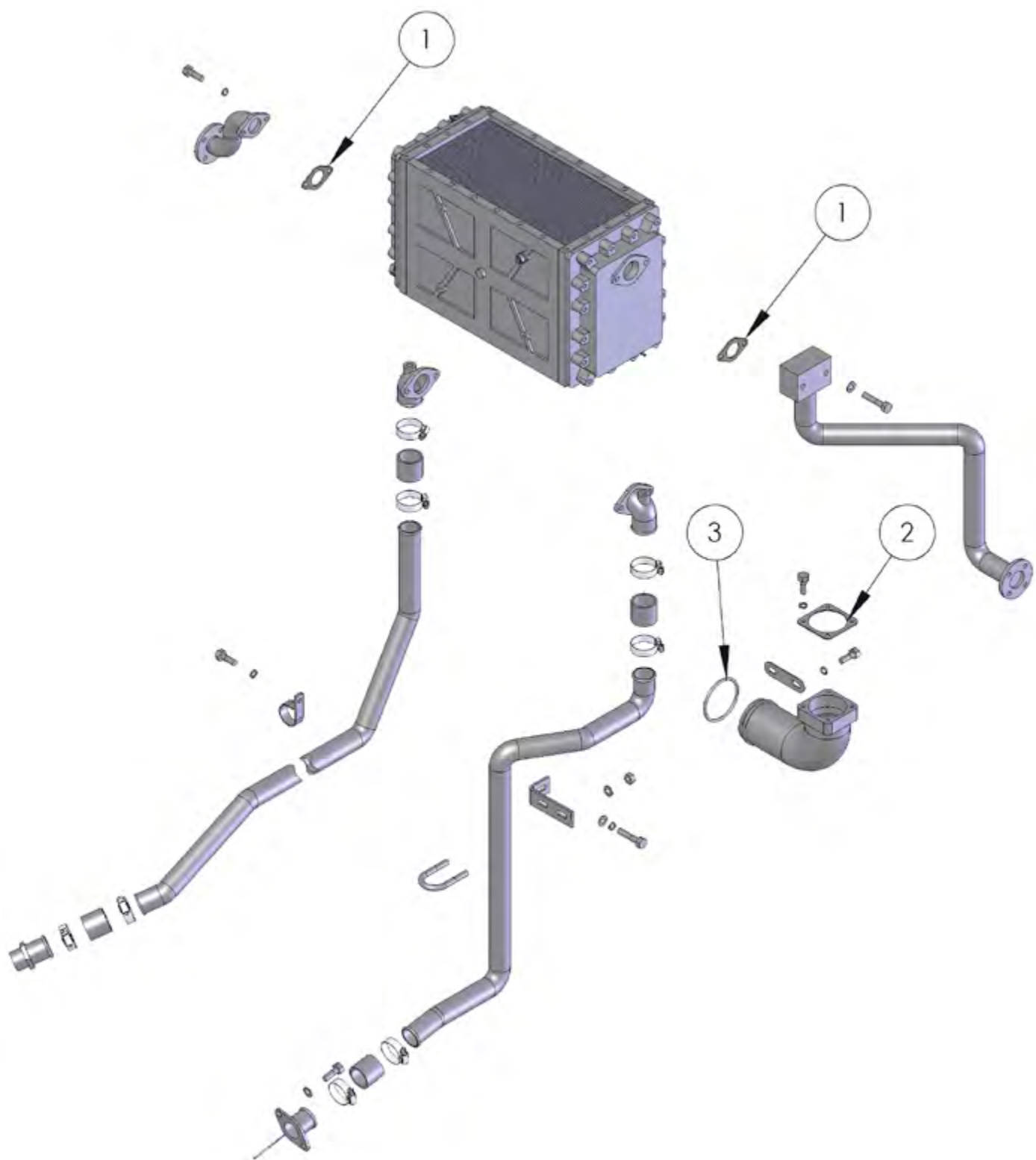
Turbocharger & Connections

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A305864B			1					1			VGF Turbo TV7125
2	A176774A		1	1	1	1		1	1	1	1	Gasket
3	A304258E			1					1			Gasket, Exhaust Manifold Out
4	A295586		1	1	2	1		1	1	2	1	O-Ring
5	A304745J		1	1	1	1		1	1	1	1	O-Ring
6	A211203E		1	1	1	1		1	1	1	1	O-Ring
7	A305151C		1	1	1	1		1	1	1	1	Gasket, Turbo Oil Inlet
8	A305197B				1	1				1	1	Gasket, Copper Washer
9	A305156		1	1	1	1		1	1	1	1	Adaptor, Pipe, M14 x 3/8 NPT
10	A305151B		1	1	1	1		1	1	1	1	Gasket, Turbo Oil Drive
11	A304731		1	1	1	1		1	1	1	1	Gasket, Copper Washer
12	A305408A		1	1	1	1		1	1	1	1	Gasket, Intercooler Inlet



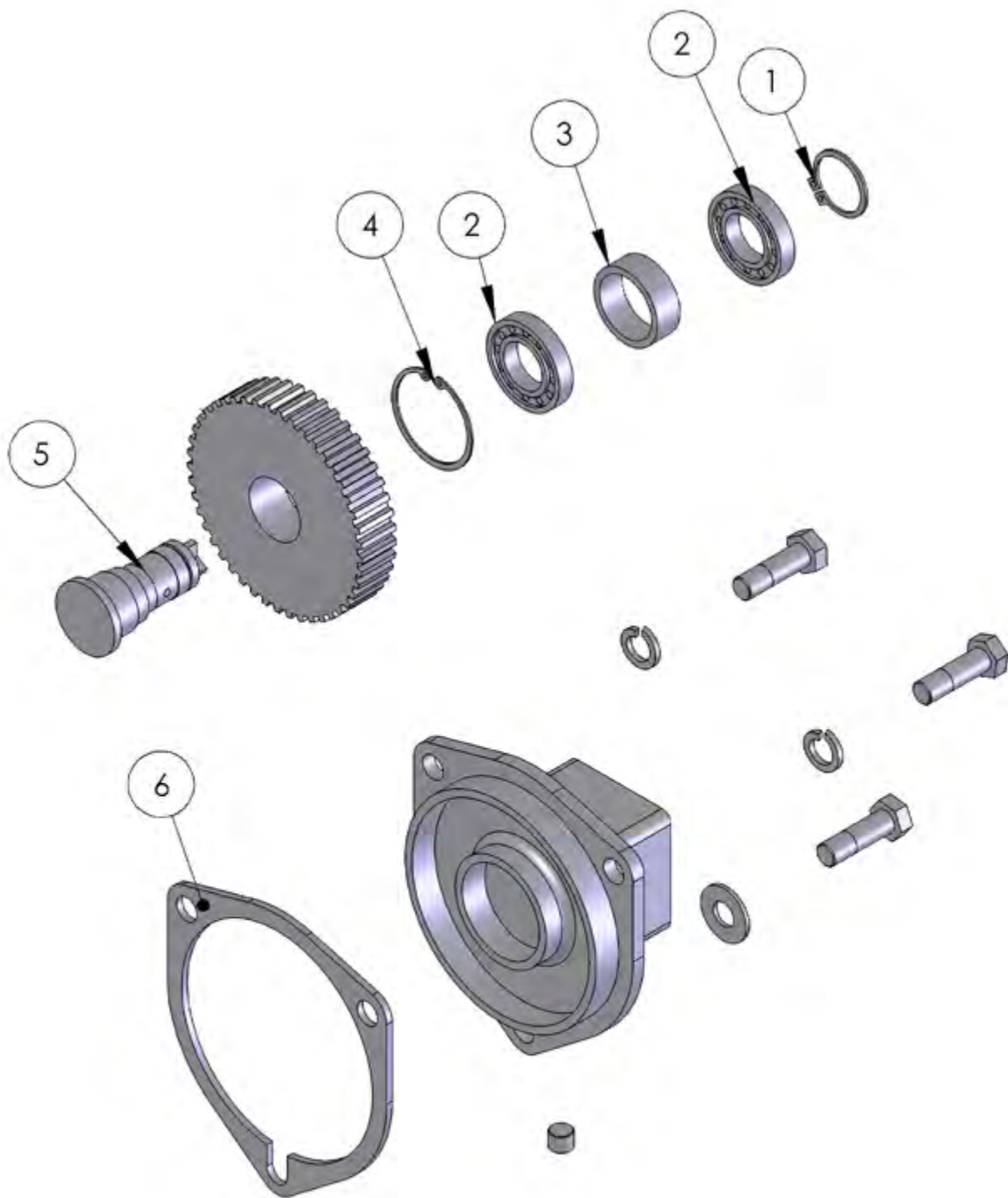
Intercooler

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A305409A		2	2	2	2		2	2	2	2	Gasket, Intercooler Plenum
2	A305476		2	2	2	2		2	2	2	2	Gasket, Intercooler Cover
3	A304314		2	2	2	2		2	2	2	2	Gasket



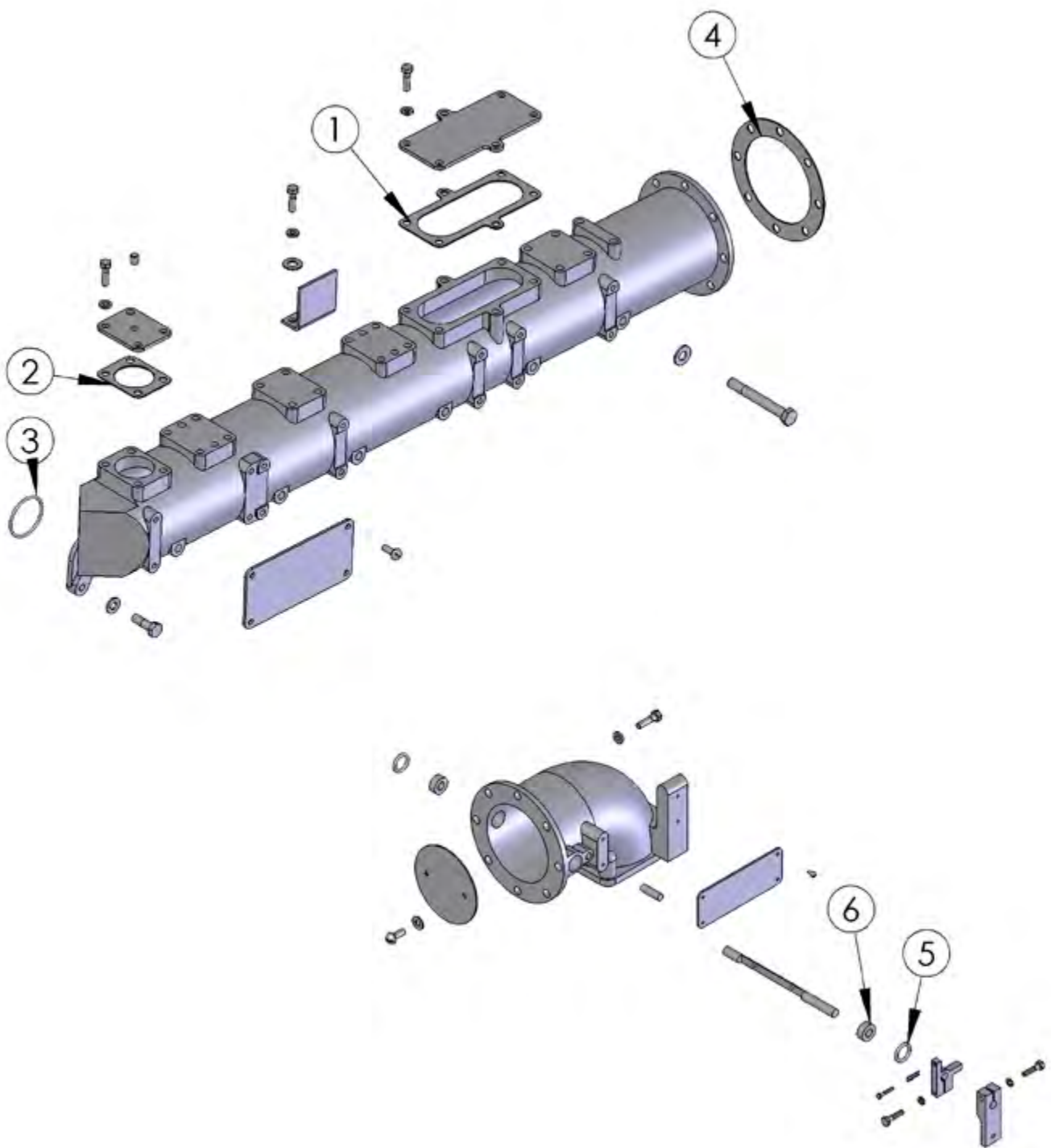
Intercooler Connections

	Part #	F18					H24					Description
		G	GSID	GS	GL	GLD	G	GSID	GS	GL	GLD	
1	A304314		3	3	3	3		3	3	3	3	Gasket
2	A305088D		1	1		1		1	1		1	Gasket, Butterfly Housing
	A305856				1					1		Gasket, Carburetor
3	A295586		1	1		1		1	1		1	O-Ring



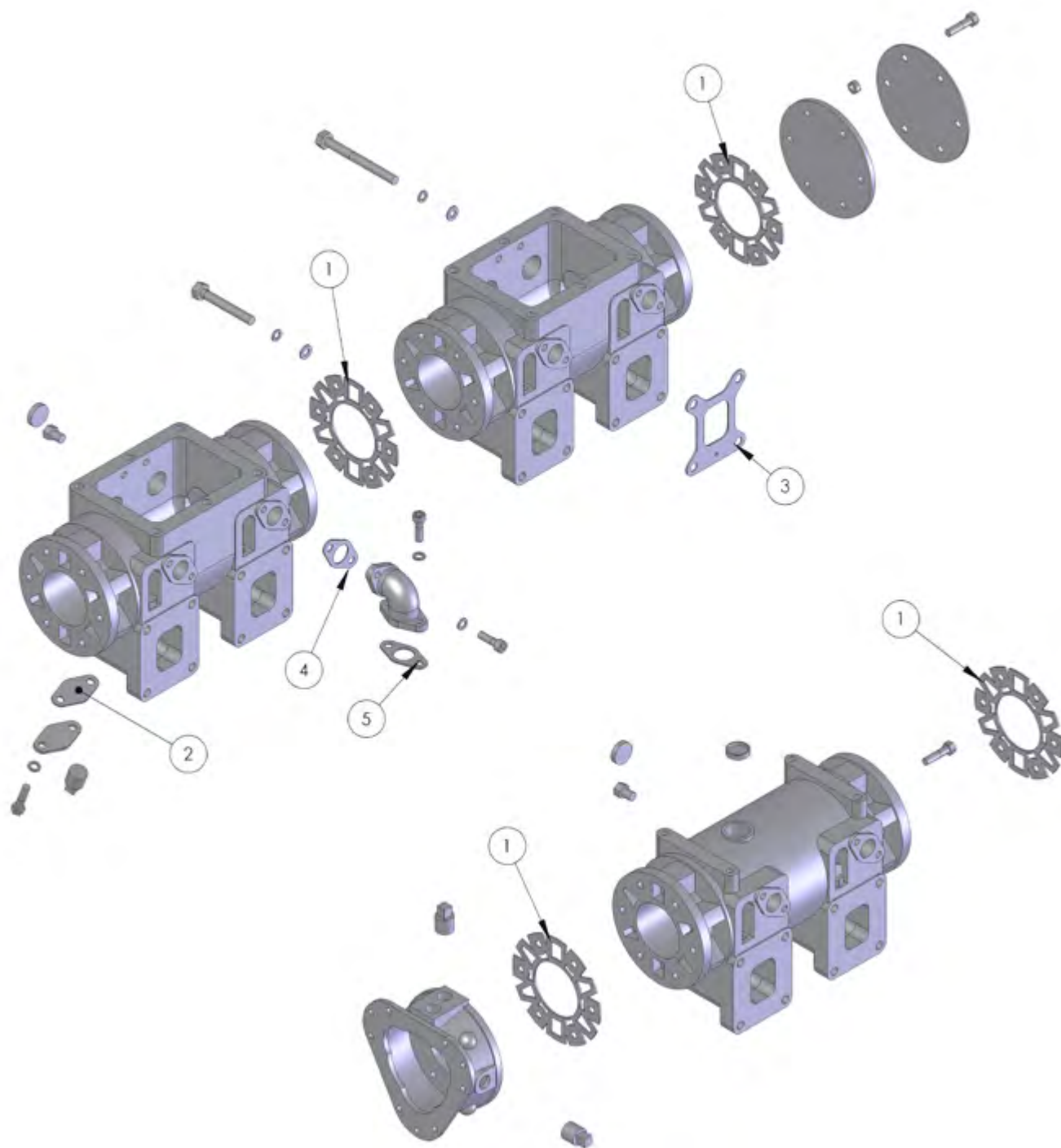
Governor Drive

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A294928	1	1	1	1	1	1	1	1	1	1	Ring Retainer, M47
2	A305082	2	2	2	2	2	2	2	2	2	2	Governor Bearing Drive
3	A305050	1	1	1	1	1	1	1	1	1	1	Spacer, Bearing
4	A117488J	1	1	1	1	1	1	1	1	1	1	Ring, Retaining, Ext. 5100-98
5	A305083	1	1	1	1	1	1	1	1	1	1	Shaft, Governor Drive
6	A305141C	1	1	1	1	1	1	1	1	1	1	Gasket, Governor Drive Housing



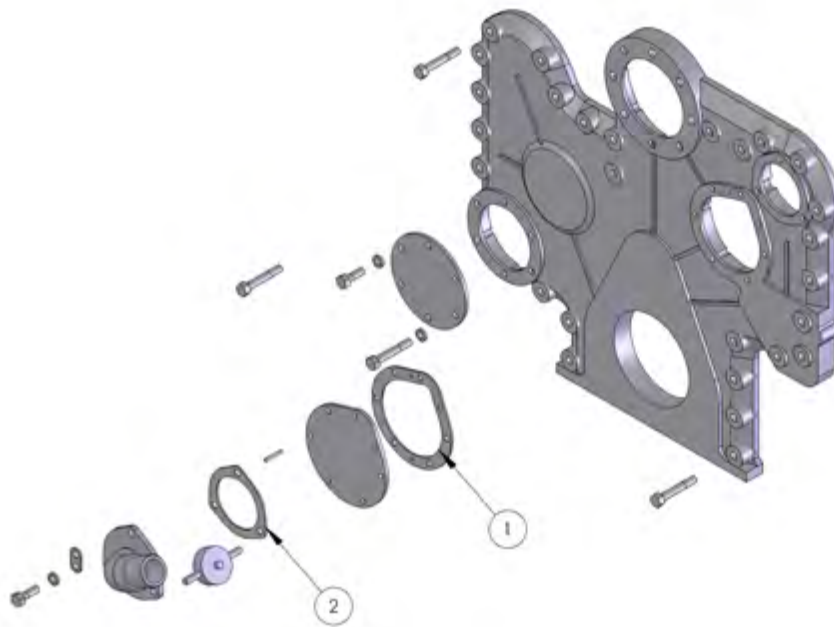
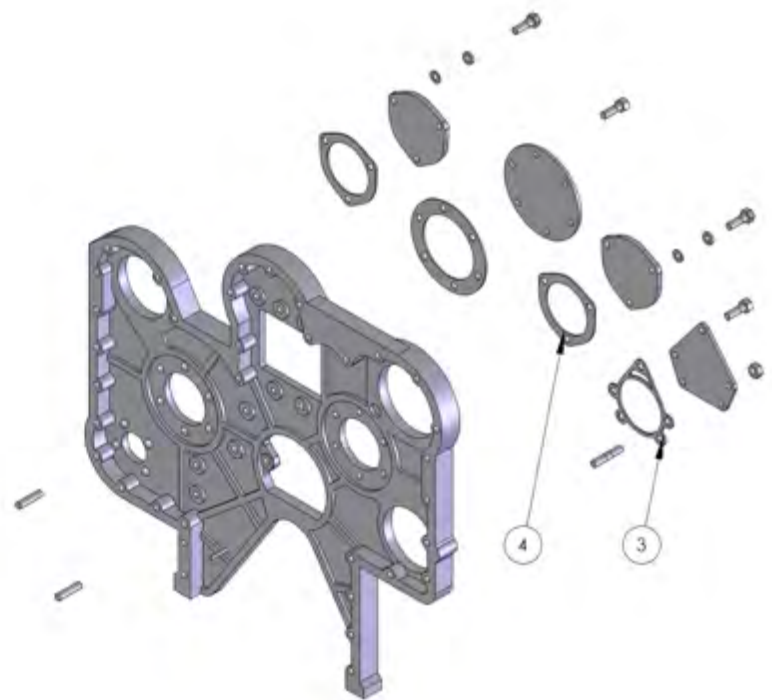
Intake Manifold

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A304201F	1	1	1	1	1	1	1	1	1	1	Gasket, Intake Manifold Cover
2	A304201E	1	1	1	1	1	1	1	1	1	1	Gasket, Intake Manifold Cover
3	A304755A	12	12	12	12	12	16	16	16	16	16	O-Ring, 1.38 x 1.56 x .09, Viton
4	A304215B	1	1	1	1	1	1	1	1	1	1	Gasket, Elbow
5	A167840	2	2	2	2	2	2	2	2	2	2	Seal
6	A168290A	2	2	2	2	2	2	2	2	2	2	Shaft, Bushing



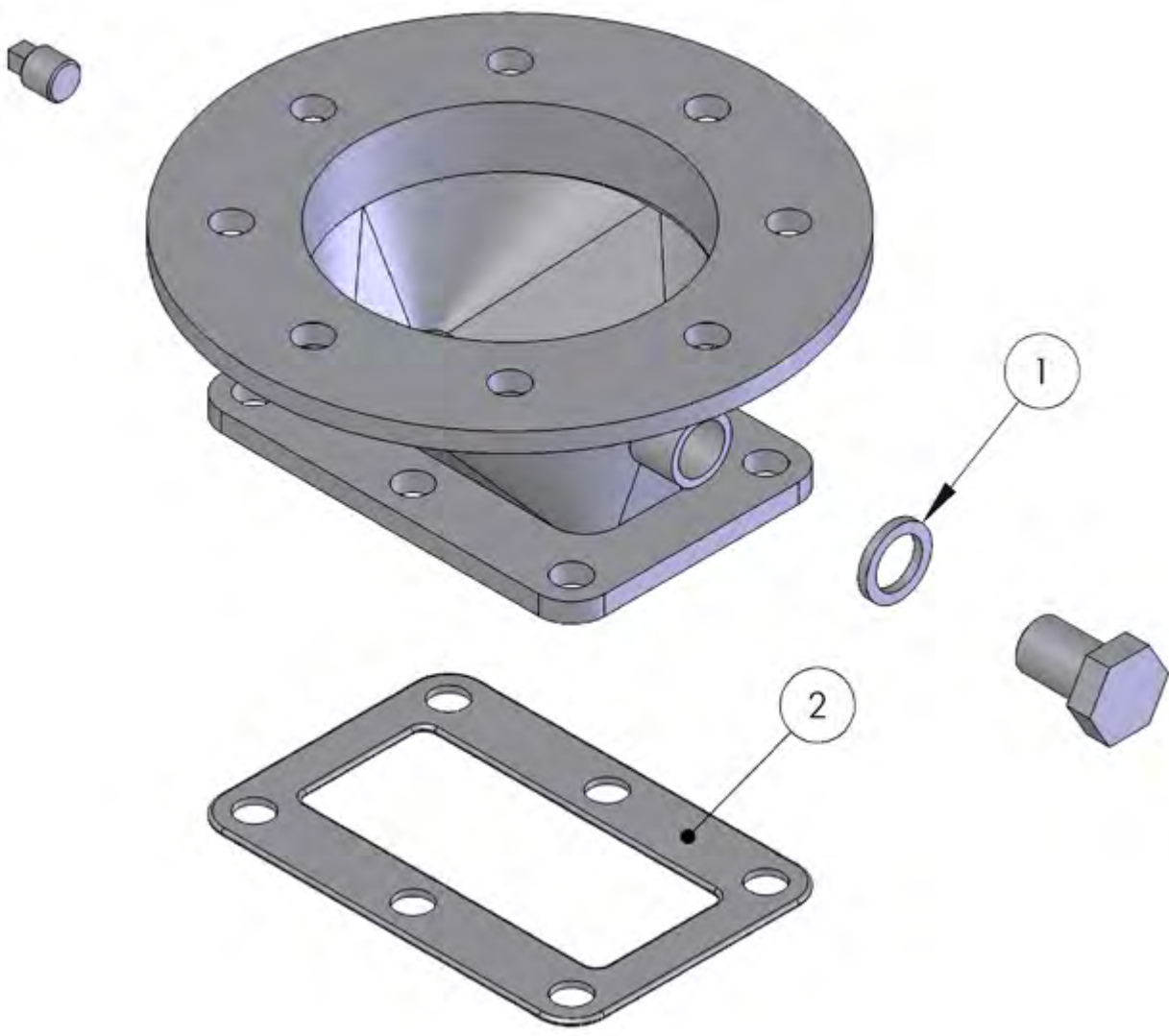
Exhaust Manifold

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A305760C	4	4	4	4	4	5	5	5	5	5	Gasket, Exhaust Manifold
2	A304314		2	2	2	2		2	2	2	2	Gasket
3	A304250B	6	6	6	6	6	8	8	8	8	8	Gasket, Exhaust Manifold
4	A305794C	6	6	6	6	6	8	8	8	8	8	Gasket, Water Connection
5	A304324C	6	6	6	6	6	8	8	8	8	8	Gasket, Water Manifold



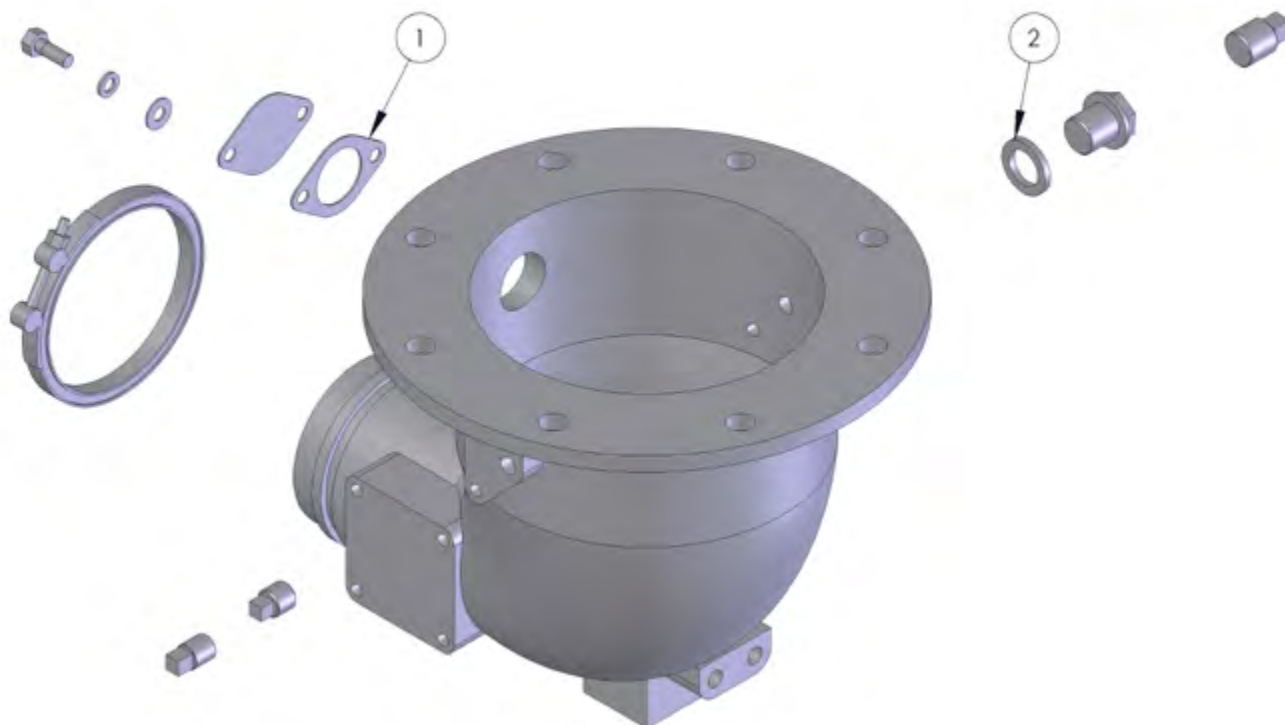
Gear Housing

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A305141D	1	1	1	1	1	1	1	1	1	1	Gasket, Governor Drive Housing
2	A305661A	1	1	1	1	1	1	1	1	1	1	Gasket, Oil Filler
3	A305036B	1	1	1	1	1	1	1	1	1	1	Gasket, Mag Mount Adaptor
4	A305141C	1	1	1	1	1	1	1	1	1	1	Gasket, Governor Drive Housing



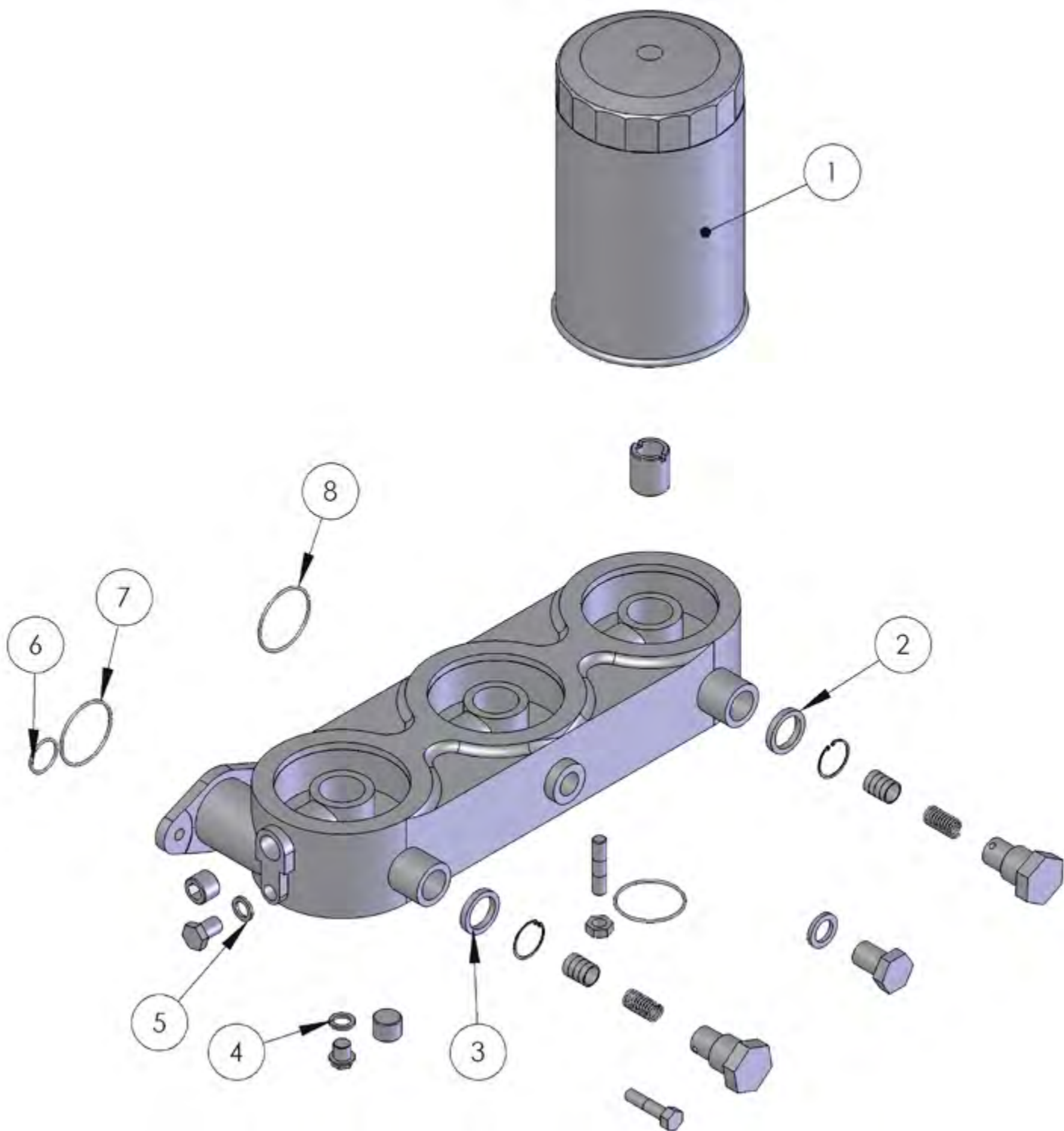
Exhaust Outlet

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A305197C	1					1					Gasket
2	A304258E	1					1					Gasket, Exhaust Manifold Outlet



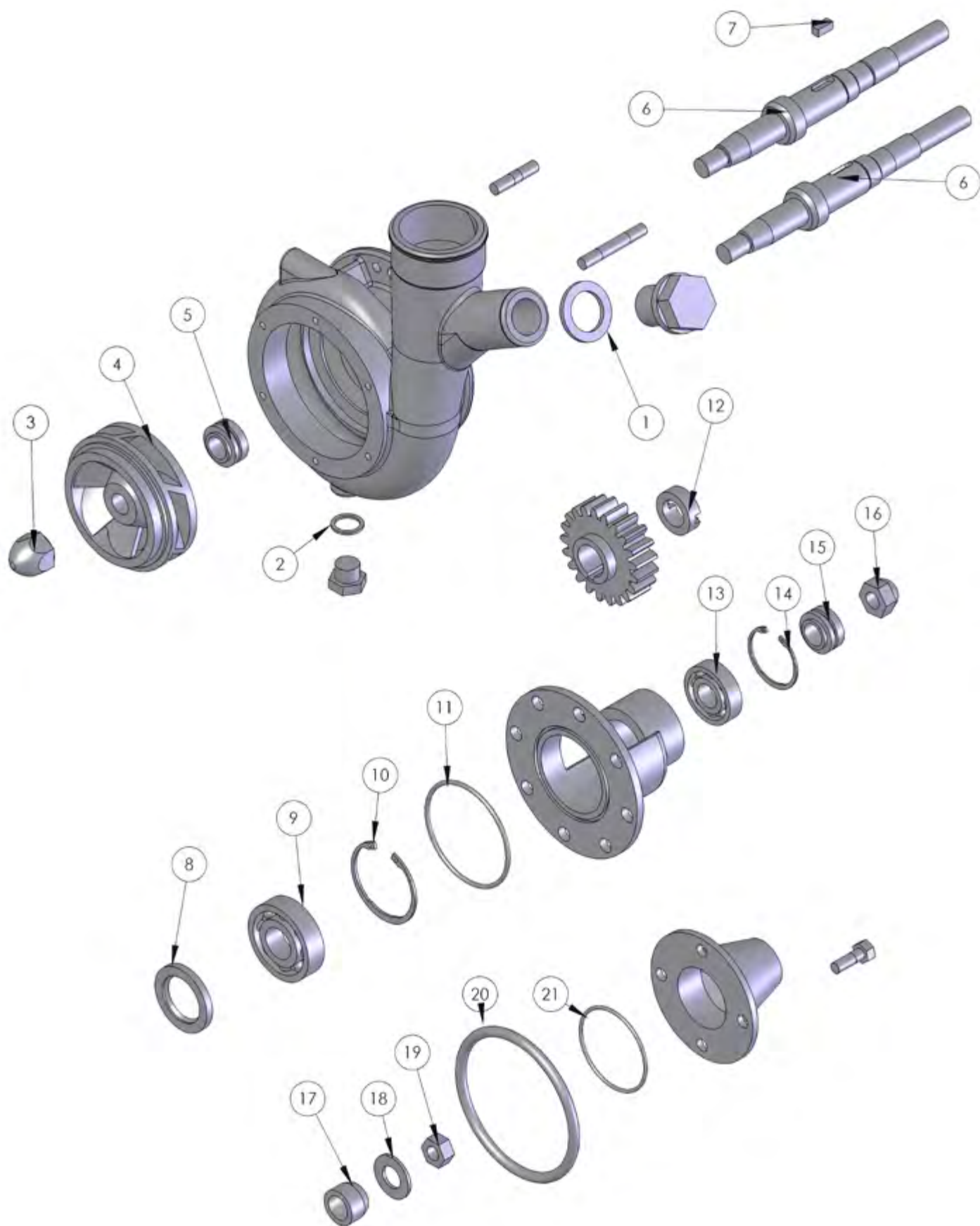
Exhaust Outlet - Turbo

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A168042		1	1	1	1		1	1	1	1	Gasket
2	A305197C		1	1	1	1		1	1	1	1	Gasket



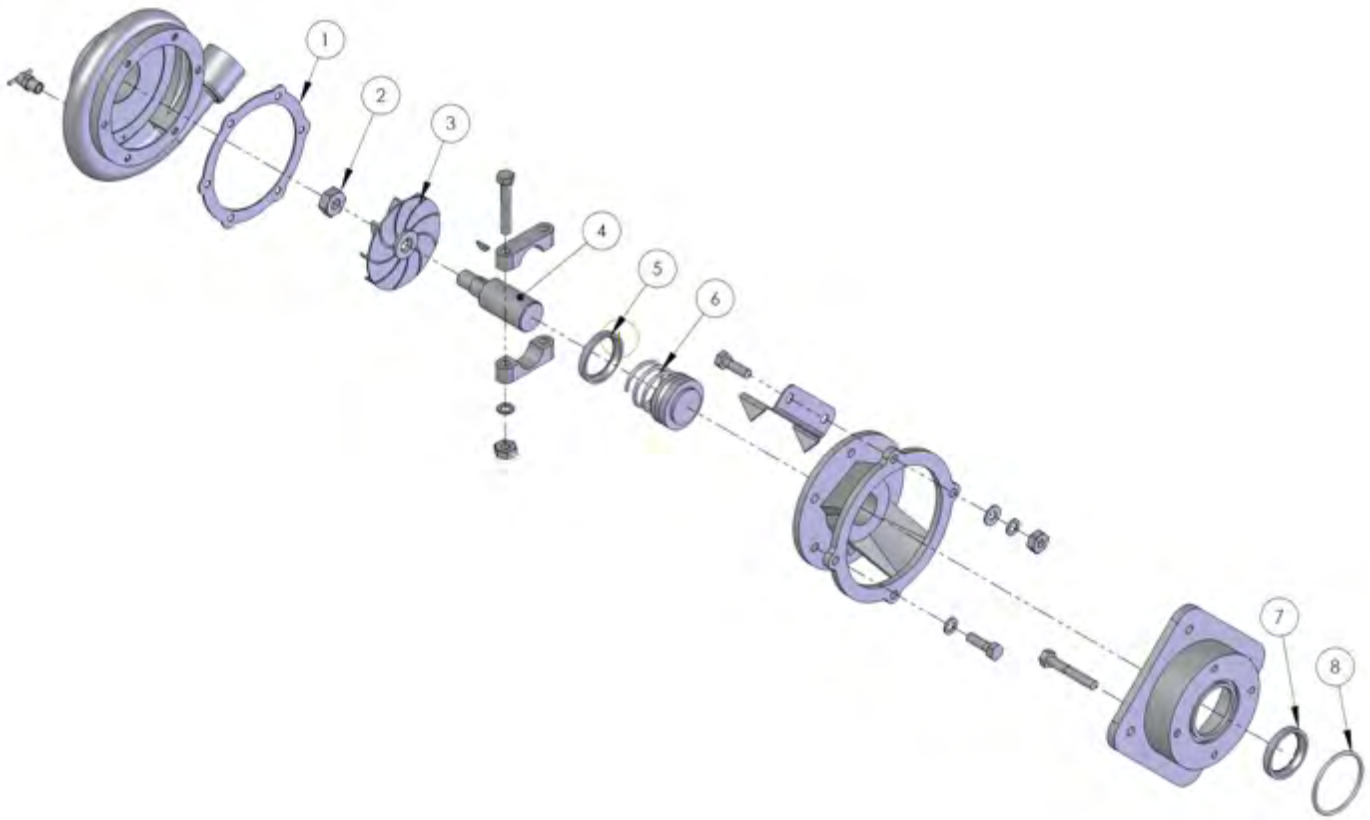
Oil Filter

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A304126	3	3	3	3	3	3	3	3	3	3	Filter, Oil
2	A304738	1	1	1	1	1	1	1	1	1	1	Gasket, Copper Washer
3	A304740	1	1	1	1	1	1	1	1	1	1	Gasket, Copper Washer
4	A305197B	1	1	1	1	1	1	1	1	1	1	Gasket, Copper Washer
5	A305197B	1	1	1	1	1	1	1	1	1	1	Gasket, Copper Washer
6	A304196	1	1	1	1	1	1	1	1	1	1	O-Ring
7	A294931	2	2	2	2	2	2	2	2	2	2	O-Ring
8	A304760	1	1	1	1	1	1	1	1	1	1	O-Ring



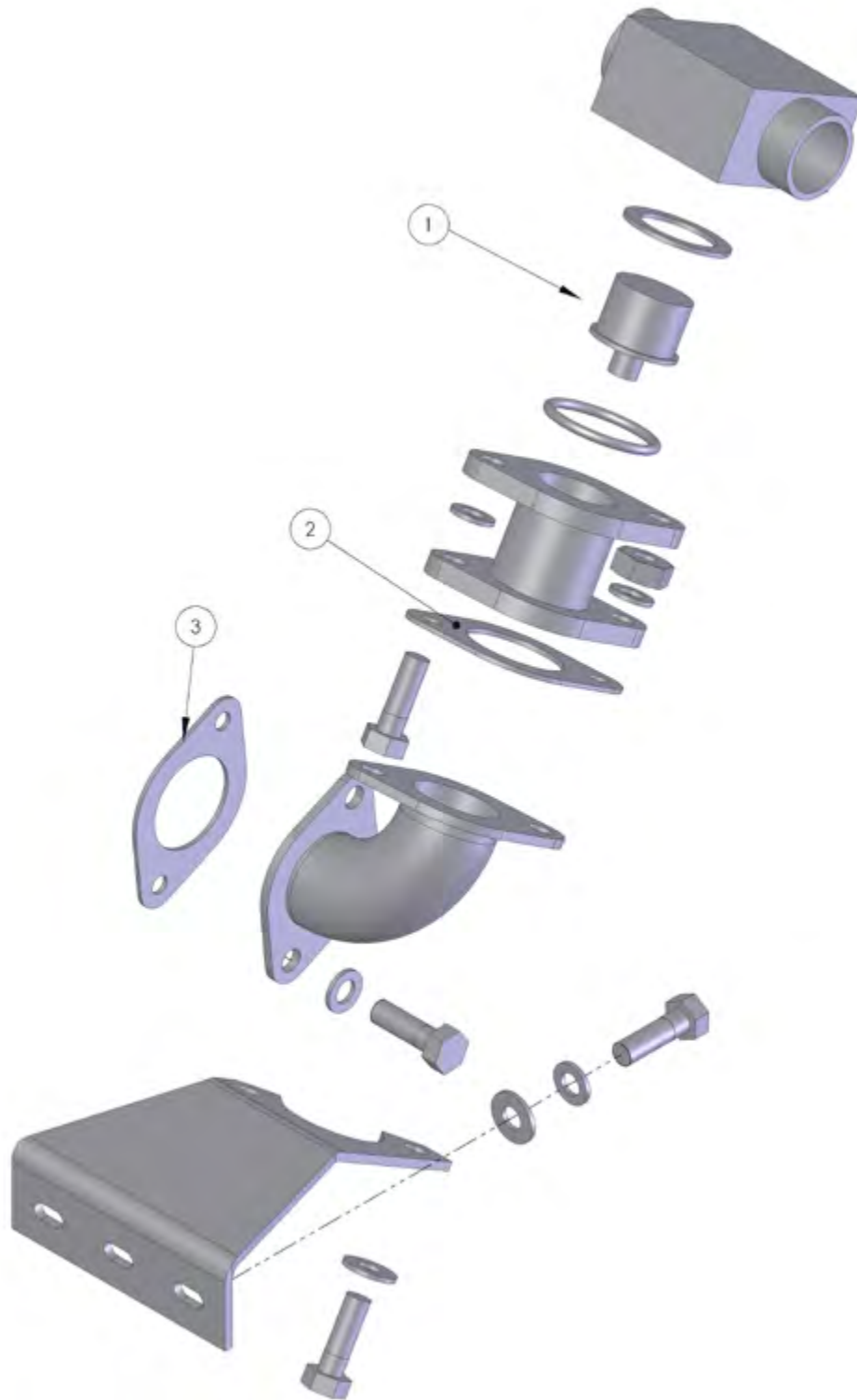
Water Pump

	Part #	F18					H24					Description
		G	GSID	GS	GL	GLD	G	GSID	GS	GL	GLD	
1	A304822		1	1	1	1		1	1	1	1	Gasket, Copper Washer
2	A305197C	1	1	1	1	1	1	1	1	1	1	Gasket
3	A304303B	1	1	1	1	1	1	1	1	1	1	Nut, Water Pump Impeller
4	A300063	1	1	1	1	1	1	1	1	1	1	Impeller, Water Pump
5	A305289D	1	1	1	1	1	1	1	1	1	1	Seal, Water Pump
6	A300056K	1					1					Shaft, Water Pump
	A300056G		1	1	1	1		1	1	1	1	
7	A305752	1	1	1	1	1	1	1	1	1	1	Key
8	A304397	1	1	1	1	1	1	1	1	1	1	Seal
9	A304079A	1	1	1	1	1	1	1	1	1	1	Bearing, Water Pump
10	A294927	1	1	1	1	1	1	1	1	1	1	Ring, Retainer
11	A304752	1	1	1	1	1	1	1	1	1	1	O-Ring, Viton
12	A305751	1	1	1	1	1	1	1	1	1	1	Nut, Jam, Water Pump
13	A304089	1	1	1	1	1	1	1	1	1	1	Bearing, Water Pump
14	A294928	1	1	1	1	1	1	1	1	1	1	Ring, Retainer
15	A304307A		1	1	1	1		1	1	1	1	Spacer, Water Pump
16	A295537		1	1	1	1		1	1	1	1	O-Ring
17	A304308	1					1					Spacer, Water Pump Shaft
18	A304436	1					1					Washer, Water Pump Shaft
19	A304437	1					1					Nut, Water Pump Shaft
20	A304754	1	1	1	1	1	1	1	1	1	1	O-Ring
21	A304755	1					1					O-Ring
	A-960-298	1					1					Water Pump Repair Kit
	A-960-298L	1					1					Water Pump Repair Kit, Less Impeller
	A-960-298LS	1					1					Water Pump Repair Kit, Less Impeller & Shaft
	A-960-299		1	1	1	1		1	1	1	1	Water Pump Repair Kit
	A-960-299L		1	1	1	1		1	1	1	1	Water Pump Repair Kit, Less Impeller
	A-960-299LS		1	1	1	1		1	1	1	1	Water Pump Repair Kit, Less Impeller & Shaft



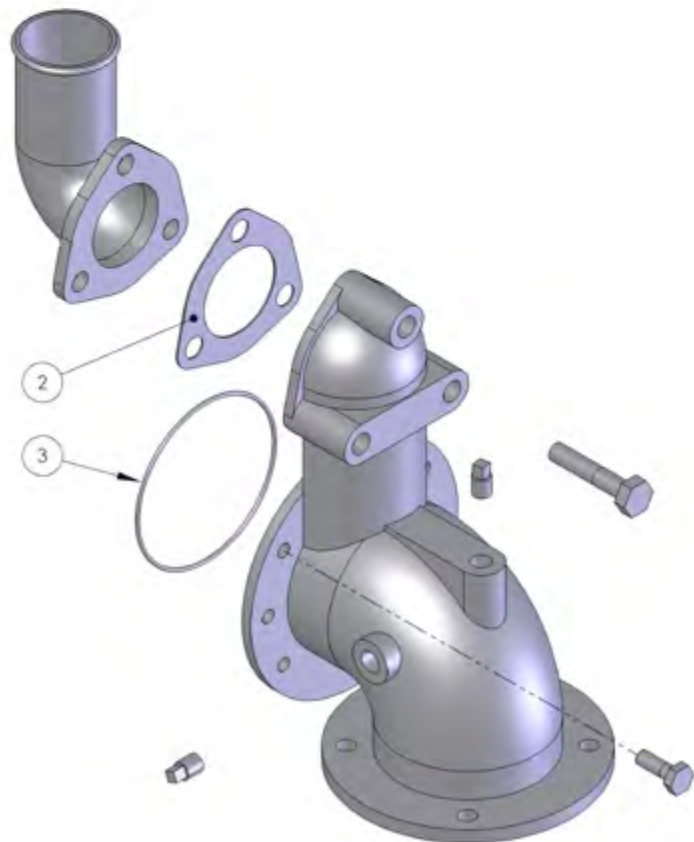
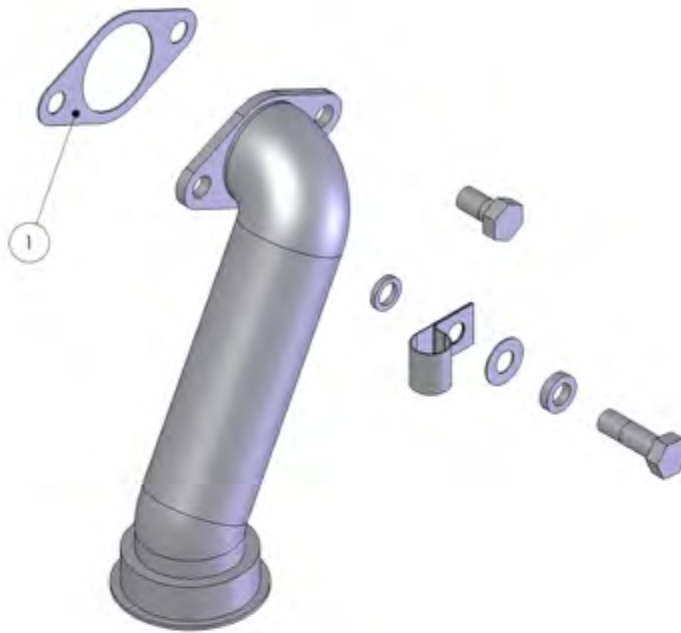
Auxiliary Water Pump

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A496690		1	1	1	1		1	1	1	1	Gasket
2	A496880		1	1	1	1		1	1	1	1	Nut, Impeller, Stainless Steel
3	A496877		1	1	1	1		1	1	1	1	Impeller, Auxiliary
4	A496858		1	1	1	1		1	1	1	1	Shaft, Auxiliary Water Pump
5	A496177		1	1	1	1		1	1	1	1	Seal, Mechanical
6	A489119		1	1	1	1		1	1	1	1	Holder, Spring
7	A167840B		1	1	1	1		1	1	1	1	Oil Seal
8	A304755		1	1	1	1		1	1	1	1	O-Ring
	A-960-274		1	1	1	1		1	1	1	1	Auxiliary Water Pump Repair Kit
	A-960-274L		1	1	1	1		1	1	1	1	Auxiliary Water Pump Repair Kit, Less Impeller
	A-960-274LS		1	1	1	1		1	1	1	1	Auxiliary Water Pump Repair Kit, Less Impeller & Shaft



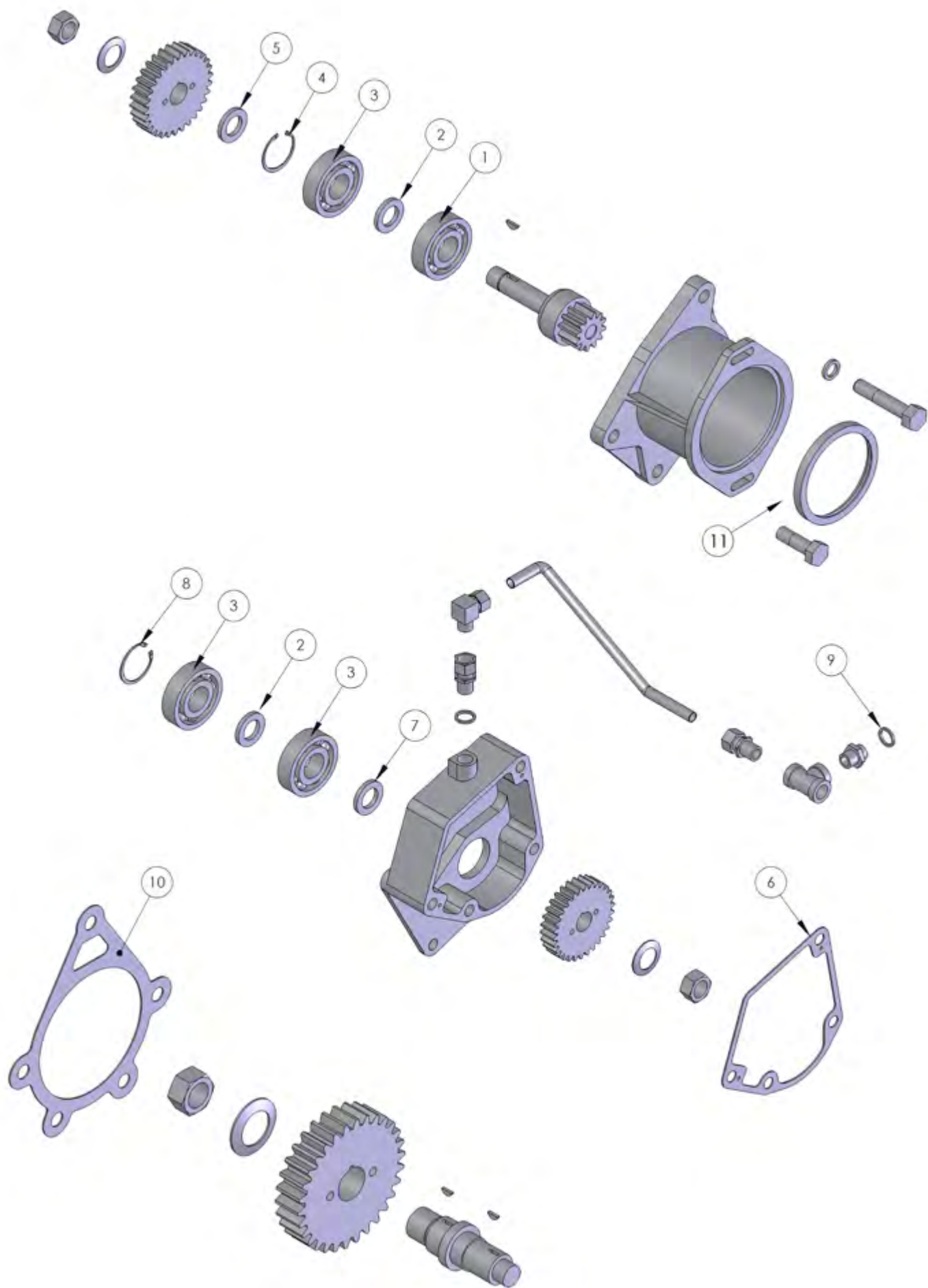
Auxiliary Water Pump Connections

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A496896		1	1	1	1		1	1	1	1	Valve, Thermostat, 120 Degree F.
2	A305445		1	1	1	1		1	1	1	1	Gasket
3	A304314		1	1	1	1		1	1	1	1	Gasket



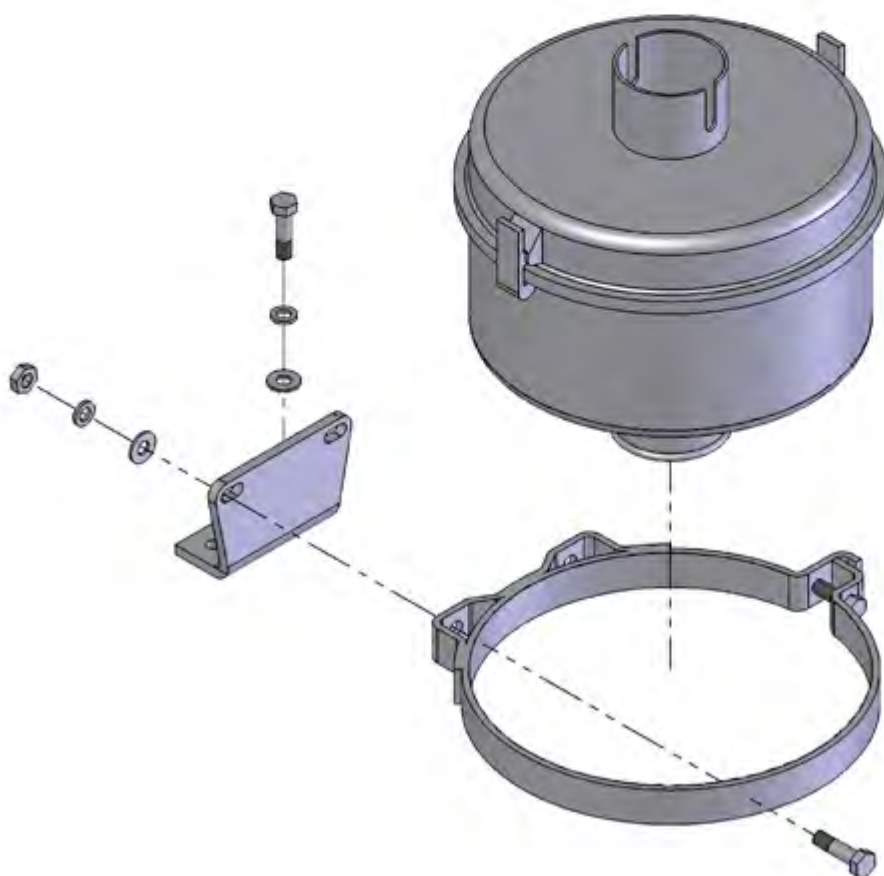
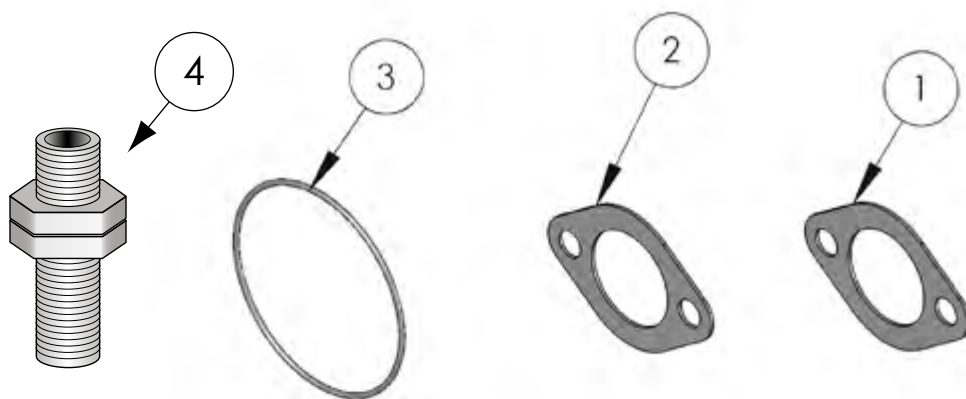
Water Inlet

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A304318	1	1	1	1	1	1	1	1	1	1	Gasket
2	A304341	1	1	1	1	1	1	1	1	1	1	Gasket, Inlet Water Pump
3	A304753	1	1	1	1	1	1	1	1	1	1	O-Ring, Nitrile, 118 x 4



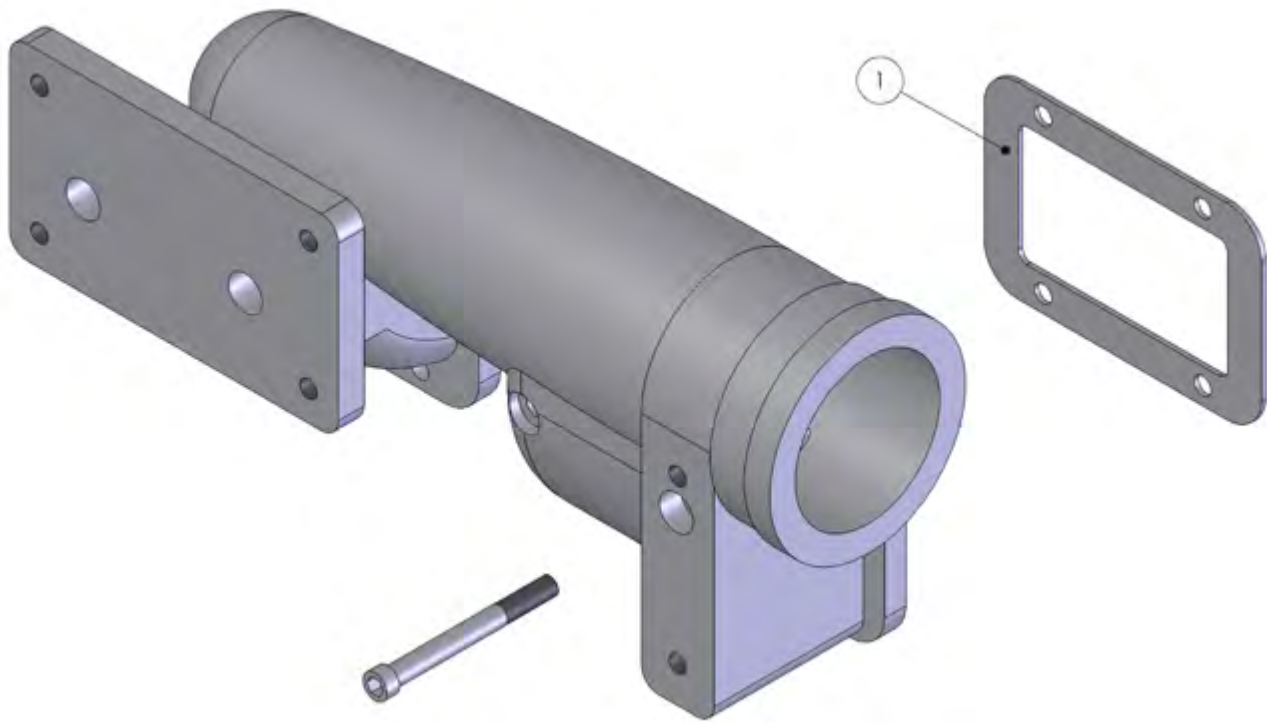
Magneto Drive

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A159477	1	1	1	1	1	1	1	1	1	1	Bearing, Ball
2	A305026A	2	2	2	2	2	2	2	2	2	2	Spacer, Bearing, 5.2mm
3	AB9641	3	3	3	3	3	3	3	3	3	3	Bearing, Ball
4	A118925E	1	1	1	1	1	1	1	1	1	1	Ring, Retaining, Int. Bevel
5	A305026C	1	1	1	1	1	1	1	1	1	1	Spacer, Bearing, 10mm
6	A305035B	1	1	1	1	1	1	1	1	1	1	Gasket, Mag Adaptor Housing
7	A305026B	1	1	1	1	1	1	1	1	1	1	Spacer, Bearing, 8.2mm
8	A44999N	1	1	1	1	1	1	1	1	1	1	Ring, Retaining, Internal
9	A305197C	1	1	1	1	1	1	1	1	1	1	Gasket
10	A305036B	1	1	1	1	1	1	1	1	1	1	Gasket, Mag Mount Adaptor
11	A305025D	1	1	1	1	1	1	1	1	1	1	Oil Seal



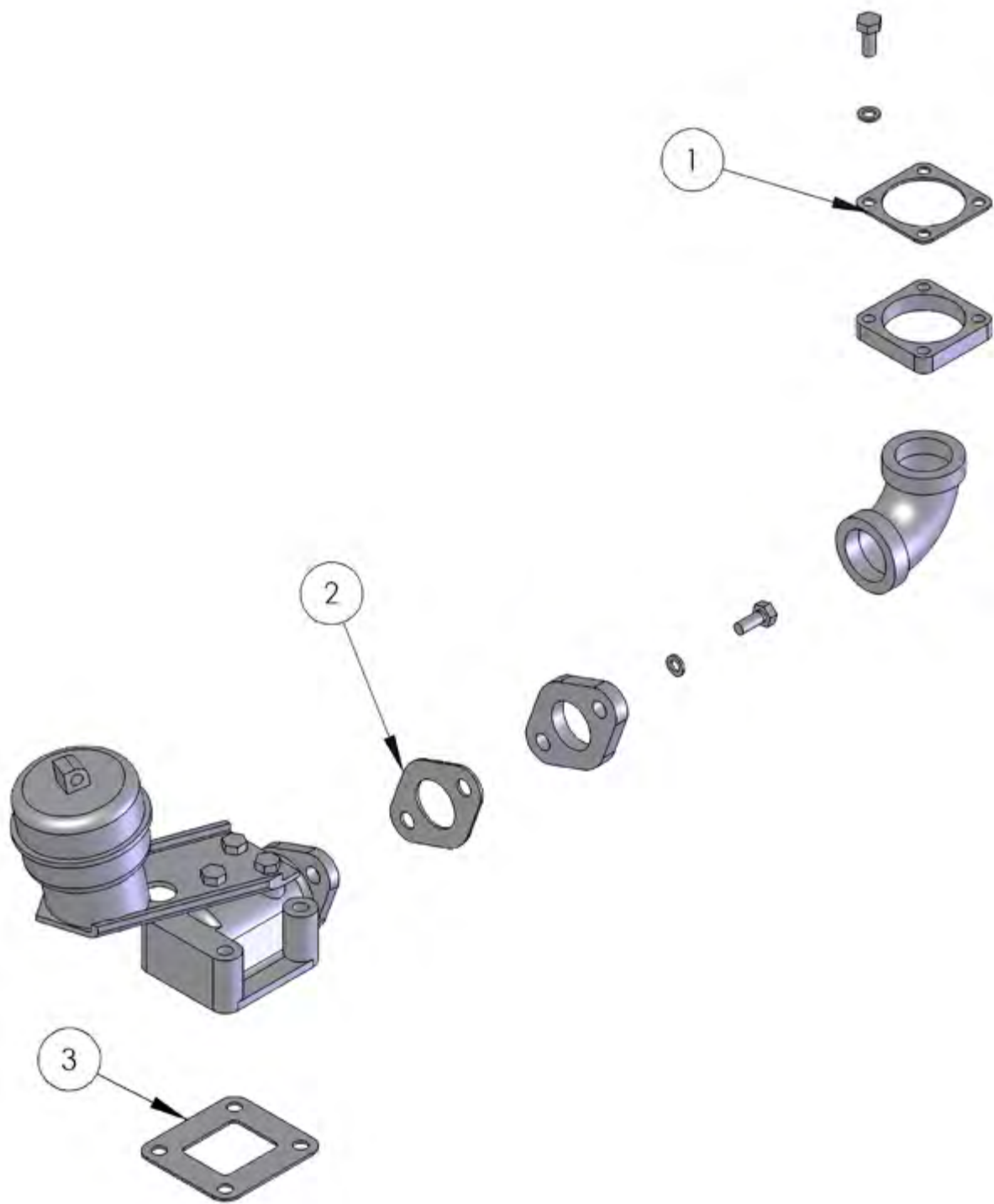
Crankcase Breather

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A305846	1	1		2	1	1	1		2	1	Gasket, Air Cleaner Inlet
2	A168042				1					1		Gasket, Exhaust Inlet Flange
3	A118013F		1					1				O-Ring
54 4	A305156		1		1	1		1			1	Adaptor, Pipe, M14 x 3/8 NPT



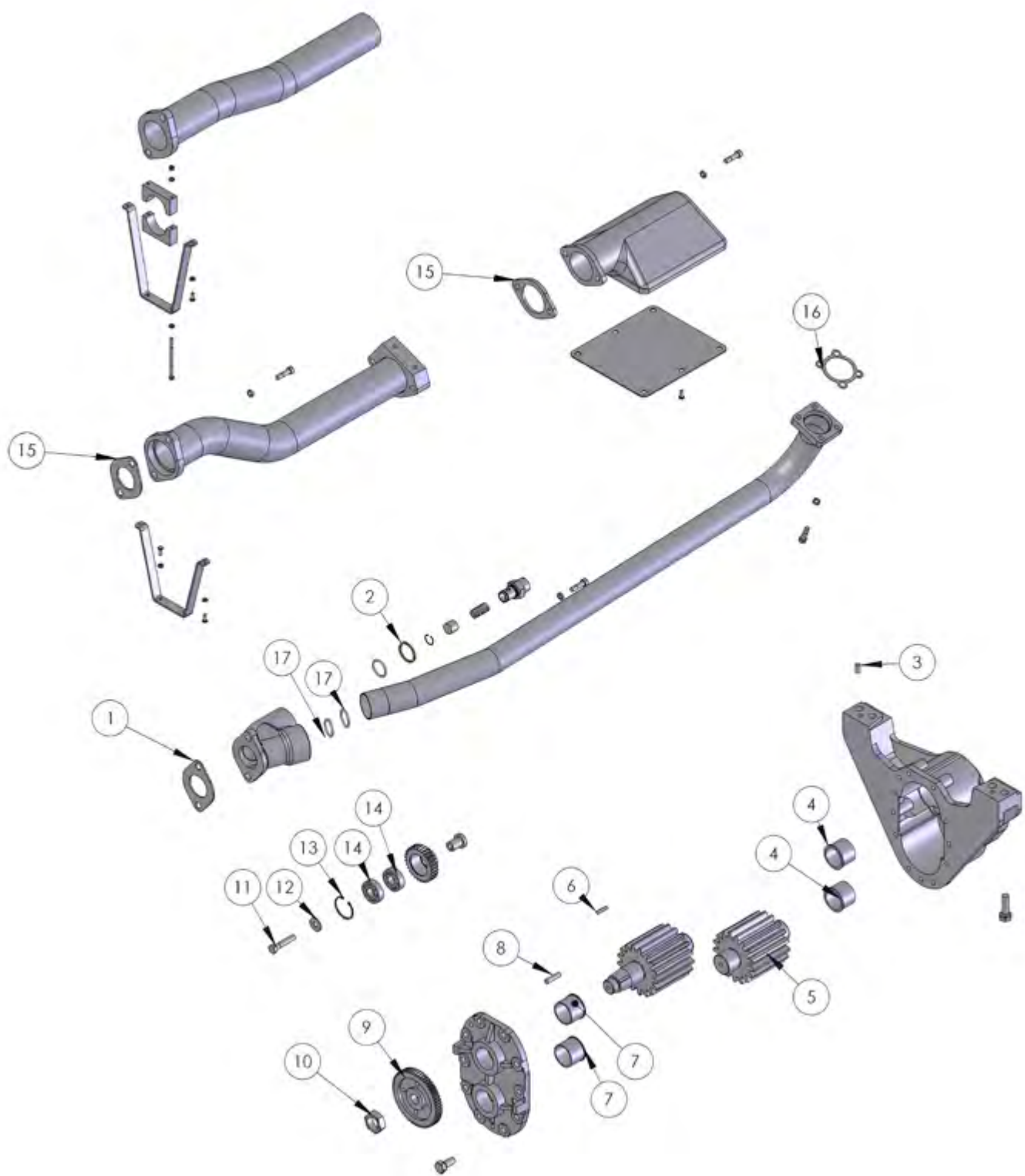
Water Header

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A304316	6	6	6	6	6	8	8	8	8	8	Gasket, Water Manifold



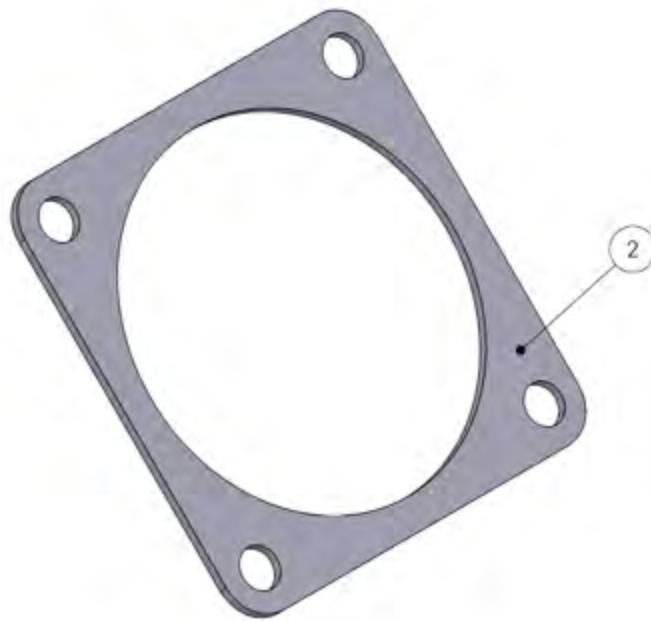
Wastegate

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A305445B		1	1	1	1		1	1	1	1	Gasket, Exhaust, Bypass
2	A305301A		1	1	1	1		1	1	1	1	Gasket, Exhaust, Bypass
3	A305445F		1	1	1	1		1	1	1	1	Gasket, Wastegate



Oil Pump

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A305700E	1	1	1	1	1	1	1	1	1	1	Gasket
2	A304738	1	1	1	1	1	1	1	1	1	1	Gasket, Copper Washer
3	A304639	2	2	2	2	2	2	2	2	2	2	Pin, Dowel
4	A304328C	2	2	2	2	2	2	2	2	2	2	Bushing, Oil Pump Shaft
5	A300085A	1	1	1	1	1						Gear, Oil Pump Driven
6	A304090	1	1	1	1	1	1	1	1	1	1	Key, Woodruff
7	A304328C	2	2	2	2	2	2	2	2	2	2	Bushing, Oil Pump Shaft
8	A304639	2	2	2	2	2	2	2	2	2	2	Pin, Dowel
9	A301051C	1	1	1	1	1	1	1	1	1	1	Gear, Oil Pump Drive
10	A304112A	1	1	1	1	1	1	1	1	1	1	Nut, Oil Pump Shaft
11	A350486	1	1	1	1	1	1	1	1	1	1	Oil Pump Bolt, 14mm x 90, Grade 10.9
12	A304833A	1	1	1	1	1	1	1	1	1	1	Washer, Retaining
13	A294927	1	1	1	1	1	1	1	1	1	1	Ring, Retainer
14	A304078A	2	2	2	2	2	2	2	2	2	2	Oil Pump Idler Bearings
15	A305700D	2	2	2	2	2	2	2	2	2	2	Gasket
16	A305700F	1	1	1	1	1	1	1	1	1	1	Gasket
17	A304745A	2	2	2	2	2	2	2	2	2	2	O-Ring, 44.2 x 3 Viton



Carburetor

	Part #	F18					H24					Description
		G	GSID	GSI	GL	GLD	G	GSID	GSI	GL	GLD	
1	A305088D	1			1					1		Gasket, Butterfly Housing
2	A305856	1			1					1		Gasket, Carburetor
3	A211203E			1	1	1			1	1		Air Inlet O-Ring

Alphanumeric Comprehensive Parts Listing

Comprehensive VGF Parts Listing

Part #	Description
A109963	Seal, Oil
A117488J	Ring, Ext. Ret. 5100-98
A118013F	O-Ring
A118013W	O-Ring
A118925E	Ring, Retaining, Int. Bev.
A159477	Bearing, Ball
A166580J	O-Ring
A167840	Seal
A167840B	Oil Seal
A168042	Gasket
A168290A	Shaft, Bushing
A176774A	Gasket
A199143A	Gasket, Oil Drain
A199650B	Spiral Wound Gasket
A199650C	Spiral Wound Gasket
A209107M	Label, Caution
A211203E	O-Ring
A211357S	Cable Assembly, Spark Plug
A211670	O-Ring, Square Cut
A211887E	Thermostat, 190 Deg F.
A211900	Label, Danger Elec. Source
A211910W	Label, Warning Gas Venting
A211911B	Tag, Warning-No Protect Dev.
A211920E	Label, Caution Hot Surface
A290302	Ring, Retaining, Ext.
A292843	O-Ring
A294925	Ring Retainer
A294926	Retainer Clip
A294927	Ring, Retainer
A294928	Ring Retainer M47
A294931	O-Ring
A295586	O-Ring
A300000D	Gasket, Cylinder Head, Turbo
A300006A	Pin Piston
A300009C	Valve Guide
A300027	Bushing, Camshaft
A300030E	Sleeve, F18, H24, L36 , P48
A300035A	Spring, Nbl Outside Valve
A300036F	Valve, Coated Stem, Exhaust
A300036K	Valve, Intake
A300048C	Bearing, Rocker Arm
A300050	Bushing
A300056G	Shaft, Jacket Water Pump
A300056K	Shaft, Jacket Water Pump
A300063	Impeller, Water Pump, F11G/H24G





Part #	Description
A300085A	Gear, Oil Pump Driven
A300108	Nbl, Bushing, Piston Pin
A300135A	Spring, Nbl Inside Valve
A300304K	Piston, 11:1
A300404C	Piston, 8.7:1
A301015C	Gear, Idler Bearing
A301051C	Gear, Oil Pump Drive
A301053	Bushing
A304004	Cross Bar Seat
A304005	Screw, Adjusting
A304010L	Insert Valve Seat
A304013	Lock, Valve Split
A304014	Valve Spring Retainer
A304014A	Retainer, Spring, Valve
A304015	Seal, Valve Stem
A304015B	Seal, Valve Stem Black
A304015C	Seal, Valve Stem Blue
A304021	Washer, Injection Sleeve
A304024A	O-Ring Cylinder Liner Middle & Top
A304025A	O-Ring Cylinder Liner Bottom
A304032D	Bushing, Cam Follower
A304033A	Cam Roller
A304039	Washer, Spring
A304040A	Socket, Ball
A304043	Washer, Rocker Arm
A304047	Gasket, Oil Retainer
A304057	Nut, Valve, Adjusting
A304078A	Oil Pump Idler Bearings
A304079A	Bearing, Water Pump
A304089	Bearing, Water Pump
A304090	Key, Woodruff
A304112A	Nut, Oil Pump Shaft
A304122	Gasket, Oil Cooler
A304126	Filter, Oil
A304196	O-Ring
A304201E	Gasket, Int. Manifold Cover
A304201F	Gasket, Int. Manifold Cover
A304207	Gasket, Intercooler
A304210	Gasket, Intercooler
A304213	Gasket, Intercooler, A C
A304215A	Gasket, Int. Manifold Elbow
A304215B	Gasket, Elbow
A304250B	Gasket, Exhaust Manifold
A304253	Washer, Exhaust Outlet Elbow
A304258E	Gasket, Exhaust Manifold Out
A304276	Gasket, Exhaust Manifold

Part #	Description
A304303B	Nut, Water Pump Impeller
A304307A	Spacer, Water Pump
A304308	Spacer, Water Pump Shaft
A304309	Gasket, Thermostat Box
A304314	Gasket
A304314A	Gasket
A304316	Gasket Water Manifold
A304317	Gasket
A304318	Gasket
A304324C	Gasket, Water Manifold
A304325	Washer, Thermostat, End
A304328C	Bushing, Oil Pump Shaft
A304341	Gasket, Inlet Water Pump
A304391	Bushing Oil
A304397	Seal
A304436	Washer, Water Pump Shaft
A304437	Nut, Water Pump Shaft
A304639	Pin, Dowel
A304641	Gasket
A304707B	O-Ring, Cam Door
A304708A	Gasket, Inspection Cover
A304716A	Gasket, Cover
A304721	O-Ring, Cylinder Head
A304731	Gasket, Copper Washer
A304734	Gasket, Copper Washer
A304737	Gasket, Copper Washer
A304738	Gasket, Copper Washer
A304739	Gasket, Copper Washer
A304740	Gasket, Copper Washer
A304742	Gasket, Copper Washer
A304745	O-Ring , 20 x 3 Viton
A304745A	O-Ring, 44.2 x 3 Viton
A304745C	O-Ring
A304745J	O-Ring
A304745P	O-Ring, 1.38 X 1.56 X .09, Viton
A304746A	O-Ring
A304749	O-Ring
A304752	O-Ring Viton
A304753	O-Ring Nitrile 118x4
A304754	O-Ring
A304755	O-Ring
A304755A	O-Ring, 68mm x 4mm, Black, 75 Viton
A304759	O-Ring, Viton
A304760	O-Ring
A304762	O-Ring
A304766	Gasket, Copper Washer, 442 X 330 X .040





Part #	Description
A304769	Gasket, Copper Washer
A304792	Gasket
A304820	Washer
A304821	O-Ring
A304822	Gasket, Copper Washer
A304823	Seal, Crankshaft, Front
A304833A	Washer, Retaining
A304878	Gasket
A304889D	Damper, Vibration
A305003J	Sleeve, Spark Plug
A305020C	O-Ring, Viton
A305025D	Oil Seal
A305026A	Spacer, Bearing 5.2mm
A305026B	Spacer, Bearing, 8.2mm
A305026C	Spacer, Bearing 10mm
A305026K	Spacer
A305035A	Gasket, Mag Adaptor Housing
A305036B	Gasket, Mag Mount Adapter
A305050	Spacing, Bearing
A305067A	Gasket, Camshaft Inspect Cover
A305082	Governor Bearing Drive
A305083	Shaft, Governor Drive
A305086A	Bushing, Intern. Gear
A305088D	Gasket, Butterfly Housing
A305104	O-Ring
A305136A	Gasket, Water Pump Idler
A305141C	Gasket, Governor Drive Housing
A305141D	Gasket Governor Drive Housing
A305151B	Gasket Turbo Oil Drive
A305151C	Gasket, Turbo Oil Inlet
A305156	Adapter, Pipe, M14 x 3/8 NPT
A305197B	Gasket, Copper Washer
A305197C	Gasket
A305197D	Gasket
A305197G	Gasket, Copper Washer
A305289D	Seal, Water Pump
A305301A	Gasket, Exhaust, Bypass
A305409A	Gasket, Inter Plenum
A305430B	Gasket Oil Retainer
A305445	Gasket
A305445B	Gasket, Exhaust, Bypass
A305445F	Gasket, Wastegate
A305446	Thermostat, Aux, 120 Deg F.
A305475B	Washer, Spark Plug Sleeve
A305476	Gasket, I.C. Cover
A305546	Gasket, Copper Washer

Part #	Description
A305551A	O-Ring, 1.31 X 1.56 X .12, Epdm
A305552	O-Ring, .44 X .62 X .09, Viton
A305621	O-Ring
A305652	Gasket
A305653	Gasket
A305661A	Gasket, Oil Filler
A305700D	Gasket
A305700E	Gasket
A305700F	Gasket
A305751	Nut, Jam Water Pump
A305752	Key
A305760C	Gasket, Exhaust Manifold
A305760D	Gasket, Exhaust Manifold
A305794C	Gasket, Water Connection
A305845B	Gasket, Oil Pan F18
A305845C	Gasket, Oil Pan H24
A305846	Gasket, Air Cleaner Inlet
A305849	Alternator, Belt Guard
A305855A	Gasket Carburetor
A305856	Gasket Carburetor
A305864	VGF Turbo TV7125
A305865	VGF Turbo TV8133
A305882	O-Ring, Spark Plug Holder
A350486	Oil Pump Bolt, 14mm x 90, Grade 10.9
A351293	Shaft Water Pump F11
A351294	Impeller, F11
A351295	Ring
A351296	O-Ring
A351297	Ring, Wear
A351298	Nut
A351299A	Ring, Sealing
A351300	Bearing
A351301	Sleeve, Spacer
A351302	Bearing, Ball Outer
A351304	Ring, Snap
A351311	Gasket
A351317	Gasket
A44999N	Ring, Int., Retaining
A489119	Holder, Spring
A496177	Seal, Mechanical
A496690	Gasket
A496858	Shaft, Auxiliary Water Pump
A496877	Impeller, Auxiliary
A496880	Nut, Impeller Stainless Steel
A4M8303	O-Ring, Hour Meter
A60999S	Spark Plug, 18mmx X .81 Large Thread

Part #	Description
A-900-1039	Basic Gasket Set F18gl,GLD, GSID
A-900-1041	Basic Gasket Set H24GL, GLD, GSID
A-907-230	Piston Ring Set, 11:1
A-907-240	Rings, Piston, 8:1
A-918-318	Main Bearing Set F18
A-918-320	Main Bearing Set H24
A-927-55	Cam Bushing Set
A-927-56	Cam Bushing Set
A-932-264	Sleeve Kit F18/H24 G, GL, GLD
A-932-279	Sleeve, Single Kit, 8.7:1
A-936-1036	VGF Head Repair Kit
A-960-274	Water /Pump Kit Auxiliary F18 GL, H24GL
A-960-274L	Water /Pump Kit Auxiliary , No Impeller
A-960-274LS	Water /Pump Kit Auxiliary, No Impeller/Shaft
A-960-275	Water Pump Kit F11G, GSI
A-960-275L	Water Pump Kit F11G/GSI Less Impeller
A-960-275LS	Water Pump Kit F11G/GSI Less Impeller/Shaft
A-960-298	Water Pump F18/H24G
A-960-298L	Water Pump F18/H24G Less Impeller
A-960-298LS	Water Pump F18/H24G Less Shaft/Impeller
A-960-299	Water Pump Repair Kit F18/H24
A-960-299L	Water Pump Repair Kit F18/H24 Less Impeller
A-960-299LS	Water Pump Repair Kit F18/H24 Less Impeller/Shaft
A-977-60	Gasket Set, Head, Single
A-979-276	Gasket Set, Top F18G
A-979-278	Gasket Set H24G
AA300110G	Nbl Bearing Assembly Rod
AA300225F	Nbl Bearing Assembly Main
AA304001	Nbl Washer Assembly Thrust
AB9641	Bearing, Ball
AD305083	Gear/Shaft Assembly
G-970-F18G	Overhaul Repair Kit, F18G, 8.7:1
G-970-F18G-HC	Overhaul Kit, F18G, 11:1
G-970-F18GL	Overhaul Kit, F18GL, 8.7:1
G-970-F18GL-HC	Overhaul Kit, 11:1
G-970-H24G	Overhaul, Kit, H24G, 8.7:1
G-970-H24G-HC	Overhaul Kit, H24G, 11:1
G-970-H24GL	Overhaul Kit, H24GL, 8.7:1
G-970-H24GL-HC	Overhaul Kit, H24GL, 11:1

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