

Viper 190 Turbo

Main Item (BOLD PART NUMBERS SIGNIFY AS SUB-KIT; Non Bold is a single item)			
Sub Item	Part Number	Qty	
Viper 190 Turbo Assembly	hsk-0233	1	
turbo assy	Included in Above Assy	1	
viper turbo machining	Included in Above Assy	1	
an4 to m12-1.5 fitting	Included in Above Assy	1	
12mm copper banjo washer -flat	Included in Above Assy	1	
waste Gate Actuator Bracket for 15G Viper	Included in Above Assy	1	
waste bracket cap 15g	Included in Above Assy	1	
m6 x 30 socket head cap screw - for waste cap	Included in Above Assy	2	
Waste Gate Bracket to Turbo Strap (ss)	Included in Above Assy	1	
Bolt M8-1.25x12 Flange Head - Waste Bracket to Turbo Strap	Included in Above Assy	1	
Viper Rear Turbo Mount 1 15G	Included in Above Assy	1	
Viper Rear Turbo Mount 2 15G	Included in Above Assy	1	
M8 x 35 long SHCS Bolt Zinc - Rear 1 to Rear 2 Mount Connect	Included in Above Assy	1	
M6 x 20 long SHCS - Rear 2 to Waste Gate Arm Connect	Included in Above Assy	2	
Viper Front Turbo Mount 1	Included in Above Assy	1	
M12 Turbo Mount Bolt (M12-1.5x20 HHCS - Zinc)	Included in Above Assy	1	
M12 Turbo Mount Bolt (M12-1.5x25 HHCS - Zinc)	Included in Above Assy	1	
Turbo oil return Fitting Adaptor - New design includes fitting	Included in Above Assy	1	
oring for turbo cross bar - viton	Included in Above Assy	1	
M6 x 16 long Flange Bolt B1189 - Oil Return to Turbo	Included in Above Assy	2	
5mm silicon hose - 21in	Included in Above Assy	1	
8In ZipTie	Included in Above Assy	2	
M8-1.25x20 Flange Head to turbo	Included in Above Assy	4	
Turbo Hot Side Inlet Assembly	hsk-1172	1	
ss u-bend 2in	Included in Above Assy	1	
OE Header Flange (3 ears - 4 bolts)	Included in Above Assy	1	
turbine inlet flange - viper	Included in Above Assy	1	
Turbo Heat Shield Gen 2 (1 piece)	hss-8213	1	
Turbo Hardware Kit	hsk-1151	1	
Doubler Gen 2 - Turbo heat shield (ss)	Included in Above Assy	1	
Viper Front Turbo Mount 2	Included in Above Assy	1	
10mm-1.25 x 60mm Flange Head Bolt - Front Mount to Engine	Included in Above Assy	1	
Housing for Viper Mag Cover Turbo Oil Return	Included in Above Assy	1	
O-ring for return housing	Included in Above Assy	1	
3/8npt to 1/2 hose barb brass 90 - Return Hose to Side Cover	Included in Above Assy	1	
Mill 3/8 x 1/2 elbow for viper turbo oil return. Both threads & barb	Included in Above Assy	1	
Oil Return Hose (1/2in 1/2 in Fuel Hose SAE 30R7) - 9"	Included in Above Assy	1	
heat tape - 3in Wide 2pcs 8in each	Included in Above Assy	2	
Oetiket Clamp 21.0mm	Included in Above Assy	2	
M6 Flange Head 30mm - Rear 1 to Mag Side Cover	Included in Above Assy	1	
M8-1.25 to AN4 - Turbo to Engine Oil Fitting	Included in Above Assy	1	
M8x20 flange head - Muffler attach & Header attach	Included in Above Assy	6	
M8x12 flange head - Header attach	Included in Above Assy	1	
M8 Flange nut	Included in Above Assy	3	
Engine Front Water Return Fittings Kit	hsk-1152	1	
MPI Built Water Manifold	Included in Above Assy	1	
1/4 to 1/2 Striaght barb nipple - machined shorter	Included in Above Assy	1	
1/4 to 1/2 barb machining	Included in Above Assy	1	
1/8npt to 1/4 hose barb 90 elbow - Brass	Included in Above Assy	1	
1/8 NPT hex plug	Included in Above Assy	1	
Custom M6 Washer - SS to retain Water Manifold 0.109 nom	Included in Above Assy	1	
M6 SAE washer 18mm OD	Included in Above Assy	1	
M6 Flange Head Bolt M6x16	Included in Above Assy	1	

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Engine Oil Return Fittings Kit	hsk-1153	1
MPI aluminum ENGINE OIL fitting	Included in Above Assy	1
3/8 NPT to 5/8 hose barb 45deg elbow - Brass	Included in Above Assy	1
5/8 30R7 hose - 14in	Included in Above Assy	1
5/8 coupler	Included in Above Assy	1
25.6mm oetket - installed	Included in Above Assy	1
24.1mm oetket - loose	Included in Above Assy	1
30.1mm oetket	Included in Above Assy	2
#8 Small worm Clamp	Included in Above Assy	1
Turbo Air Intake HW Kit	hsk-1154	1
2-1/4 Silicone 90deg - custom	Included in Above Assy	1
2-1/4in Silicone Coupler	Included in Above Assy	1
2.75in clamp radius edge	Included in Above Assy	4
2.25 uni sno filter angle-mesh	hsa-2252	1
pre-filter for snow blower	hsa-4060	1
Turbo Air Intake Tube Only	hsk-1154-tube	1
alum tube 6061 t6 2-1/4"x .065 - 12in	Included in Above Assy	1
Viper IAT weldment	Included in Above Assy	1
Viper Breather Tube weldment 5/8in	Included in Above Assy	1
Turbo to AirBox Hardware Kit	hsk-1155-190	1
1.75in to 2in Silicon 90 Elbow	Included in Above Assy	1
2in SS T-Clamp		1
2-3/8in SS T-Clamp		1
2-3/8in ss clamp radius edge - fox airbox		6
#6 small worm clamp - Intercooler Hardware		2
M6 Flange Head Bolt M6x16 - for Tmap		1
Frame Support Tube (0.075 1018) - machined & painted	hss-8201	1
Frame Support Hardware Kit	hsk-1156	1
1in backing frame backing support	Included in Above Assy	1
7/8 frame tube end plug		1
8mm x 40mm Socket Head Cap Screw		1
Radiator Support Kit	hsk-1157	1
Radiator Support (aluminum)	Included in Above Assy	1
m6x12 flange head - bracket to frame	Included in Above Assy	2
m6x20 flange head - bracket to radiator	Included in Above Assy	2
M6 Flange nut - bracket to frame	Included in Above Assy	2
M6 Nylock - bracket to radiator	Included in Above Assy	2
Water Temp Sender Extension Cord	hsk-1158	1
Turbo Oil Supply Steel Hose -5in	hsk-1159	1
Viper Air-oil Mag Subkit	hsk-1160	1
14mm x 3/8 90 deg adaptor	Included in Above Assy	1
3/8npt to 5/8 barb 45deg	Included in Above Assy	1
14mm-0.1mm seal washer	Included in Above Assy	1
14mm-0.2mm seal washer	Included in Above Assy	1
14mm-0.5mm seal washer	Included in Above Assy	2
rubber cap - thick wall 5/8"	Included in Above Assy	1
Air/Oil Separator Relocation Kit	hsk-1161	1
Separator Top to Dry Sump Top - 5/8" 30R7 fuel line - 16in	Included in Above Assy	1
Separator Bottom to Dry Sump Bottom - 5/8" 30R7 - 31in	Included in Above Assy	1
25.6mm oetker - loose	Included in Above Assy	8
24.1mm oetket - loose	Included in Above Assy	1
#8 Worm Clamp - Both ends of breather	Included in Above Assy	2
valvecover vent - brass	Included in Above Assy	1
plastic 1/4npt to 1/4barb stra	Included in Above Assy	1
3/16 Rivet - loose	Included in Above Assy	2
separator bracket for belt guard	Included in Above Assy	1

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Housing to Radiator Top Hose (25mm Formed Silicone)	hst-2826	1
New Lower Thermo to Engine Hose (25mm Formed Silicone)	hst-2825	1
Thermostat Housing Hose Kit 190 HP	hsk-1162	1
Cap Fitting to Heat Exchanger Bypass (1/2in Fuel Hose - 42")	Included in Above Assy	1
3/4 expandable sleeving (43in)	Included in Above Assy	1
Thermo to Throttle Body 1/4in Hose 17in	Included in Above Assy	1
1/2 expandable sleeving (16in)	Included in Above Assy	1
#6 Worm Clamp	Included in Above Assy	1
#4 Worm Clamp - throttle body connection	Included in Above Assy	1
14.0mm seamless clamp - thermo top hose	Included in Above Assy	1
12.3mm seamless clamp - thermo bottom	Included in Above Assy	1
Muffler Assembly	hsk-1173-gen2	1
Muffler shell Front & Back (ss)	Included in Above Assy	1
Muffler Baffle (ss)	Included in Above Assy	1
Muffler Heat Shield Front & Back (aluminum)	Included in Above Assy	1
Muffler Heat Shield Mount (ss)	Included in Above Assy	2
Muffler Rear Support Bracket (ss)	Included in Above Assy	1
turbo muffler flange gen 2 - Viper	Included in Above Assy	1
ss u-bend 2.0in	Included in Above Assy	1
2in SS Tube - 9.25in	Included in Above Assy	1
2in SS Tube - 5in	Included in Above Assy	1
Ceramic Pad Set	Included in Above Assy	1
Rivets 3/16 structural	Included in Above Assy	4
1/8 ss 4-2 rivet (11 inner, 24 outer shell)	Included in Above Assy	35
O2 bung M18-1.5	Included in Above Assy	1
O2 bung for OE sensor M12-1.25	Included in Above Assy	1
AirBox 190HP	hsk-1185	1
Airbox Body for Viper (non-ic)	Included in Above Assy	1
Airbox Bottom for Viper (non-ic)	Included in Above Assy	1
Billet Throttle Body Nipple Plate for Viper (welds into airbox)	Included in Above Assy	1
Billet Throttle Body Velocity Tubes (welds to Nipple Plate)	Included in Above Assy	3
Nipple - 1.75 Tube then Machined	Included in Above Assy	1
tmap weldment	Included in Above Assy	1
Post for Viper Airbox	Included in Above Assy	1
1/4-20 x 1/2in SS Button Head for airbox post	Included in Above Assy	1
1/4 to 1/2 Straight barb nipple - machined shorter	Included in Above Assy	1
1/4 to 1/2 barb machining	Included in Above Assy	1
1/8 to 3/16 straight barb	Included in Above Assy	1
1.87id silicon hose 2ply (3 * 1.5in)	Included in Above Assy	3
viper breather hose - 16mm 16"OAL Formed Silicone Hose	hst-2827	1
Viper 190 bpv plumbing kit	hsb-0007	1
4mm black rubber tube - 42in	Included in Above Assy	1
plastic 3/16 5-way tee	Included in Above Assy	1
rubber cap for rx-1 carb boot	Included in Above Assy	1
8in zip tie	Included in Above Assy	17
alum tube 6061 t6 2-1/4"x .065 - 7in	hta-2265	1
alum tube 6061 t6 2-1/4"x .065 - 3in	hta-2265	1
8in zip tie - 1 is used to tie bundle	hse-3004	7
11in zip tie	hse-3008	6
GEMS Controller - Viper (with pressure sensor)	hse-0445	1
Boost Controller Kit	hsk-1179	1
EABC controller	Included in Above Assy	1
Boost Controller Valve Assembly for Prologger (with loom)	Included in Above Assy	1
#16 narrow worm clamp to mount solenoid	Included in Above Assy	1
5mm silicon hose - 10in	Included in Above Assy	1
8in zip tie	Included in Above Assy	6