

Tech Guide

GEN III & IV VORTEC LS GENERIC SUPERCHARGER



PN - 99-EK-A16828

***Harrop TVS2300 LS3 Port Straight Bias
Supercharger Kit***



ENGINEERING PERFORMANCE SINCE 1955

1

04/04/2024

Tech Guide

GEN III & IV VORTEC LS GENERIC SUPERCHARGER



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***Harrop TVS2300 LS3 Port Right Hand
Bias Supercharger Kit***



ENGINEERING PERFORMANCE SINCE 1955

2

04/04/2024

Tech Guide

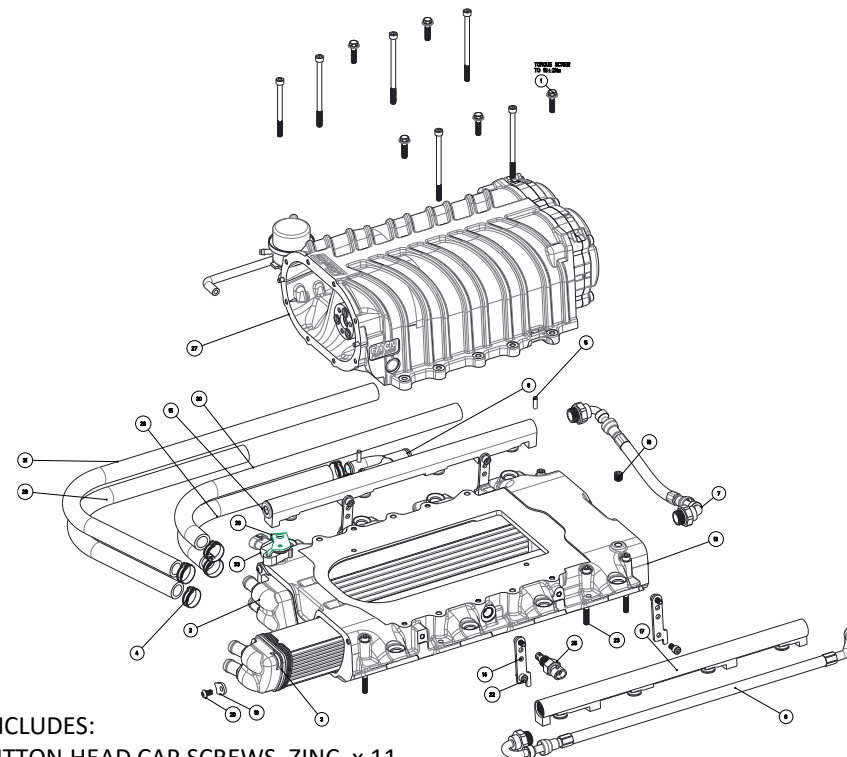
GEN III & IV VORTEC LS GENERIC SUPERCHARGER



PN - 99-EK-A16827

Harrop TVS2300 LS3 Port Supercharger Kit

ITEM		DESCRIPTION	QTY
1	PART	BOLT, FLANGED HEAD, M6 x 25, ZINC PLATED	5
2	ASSEMBLY	CORE, INTERCOOLER (6MM FIN, 2MM TUBE), LH, FDFI, L76	1
3	ASSEMBLY	CORE, INTERCOOLER (6MM FIN, 2MM TUBE), RH, FDFI, L76	1
4	PART	CLAMP, COBRA, FUEL INJECTION, 22mm, NORMA, 65-COBRA-22/8-W4	6
5	PART	DOWEL, PIN, Ø5.0 x 16 LONG	2
6	ASSEMBLY	FITTING, Y, 16, TO, 19	1
7	ASSEMBLY	HOSE, CROSSOVER, PL-HRP98-1	1
8	ASSEMBLY	HOSE, FUEL, GM	1
13	PART	MANIFOLD, SUPERCHARGER, HTV2300, FDFI, L-76	1
14	PART	MOUNT, RAIL, FUEL, SUPERCHARGER, FDFI, L76	4
15	PART	PLUG, 3/4 16, SPEEDFLOW, 814-8	1
16	PART	PLUG, PRESSURE, 1/8 BSPT, ZINC PLATED	1
17	PART	RAIL, FUEL, SUPERCHARGER, FDFI, L76	2
18	PART	RETAINER, INTERCOOLER, FDFI, L76	2
20	PART	SCREW, CAP, BUTTON HEAD, M6 x 10, ZINC PLATED	2
22	PART	SCREW, SOCKET HEAD CAP, M6 x 12, ZINC PLATED	8
23	PART	SCREW, SOCKET HEAD CAP, M6 x 80, ZINC PLATED	5
25	PART	SENSOR, TEMPERATURE, 25037388, GM	1
26	ASSEMBLY	RETAINER, MAP, FDFI, 2-7 BAR	1
27	ASSEMBLY	SUPERCHARGER, TVS2300, FDFI, LUG-MOUNT, VERTICAL ACTUATOR, CW, RH INLET, VORTEC	1
28	PART	HOSE, INTERCOOLER, 5/8", 300 LONG	1
29	PART	HOSE, INTERCOOLER, 5/8", 430 LONG	1
30	PART	HOSE, INTERCOOLER, 5/8", 540 LONG	1
31	PART	HOSE, INTERCOOLER, 5/8", 650 LONG	1
32	PART	SCREW, SOCKET HEAD CAP, M6 x 100, GEOMET500A	5
33	PART	SENSOR, MAP, 2.7-BAR, GM 12592525	1



KIT ALSO INCLUDES:

M8 x 25 BUTTON HEAD CAP SCREWS, ZINC, x 11

RIVOT BLIND ASP-5-4, x 4

LOCTITE 518 6ML

SUPERCHARGER PINNING KIT, x 1

HARROP ENHANCED BADGE - 30 x 80, x1

INSTALL WARRANTY GUIDE (BUSINESS CARD), x 1

#10124 LOOM PATCH MAF & REMOTE TEMP SENSOR VE, x 1

#15837 MOUNT ASSEMBLY IDLER LS 5.3, x 1

#11510 COVER VALLY LS3 FDFI, x 1

#12526 GASKET INSULATOR MFD SUPERCHARGER, x 2

ENGINEERING PERFORMANCE SINCE 1955

Tech Guide

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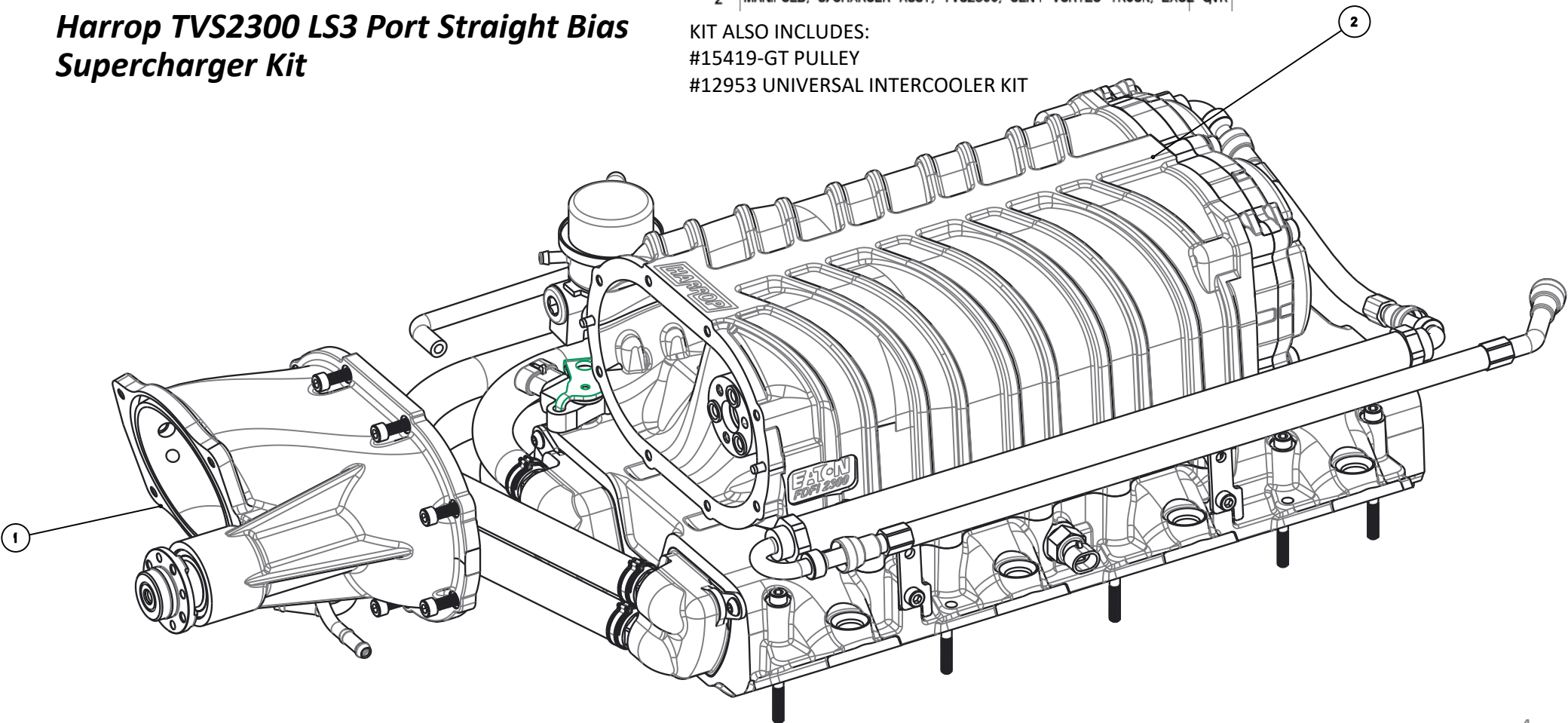
Harrop TVS2300 LS3 Port Straight Bias Supercharger Kit

ITEM	DESCRIPTION	QTY
1	COVER, INLET, FDFI, HTV1900-2300, LS3	1
2	MANIFOLD, S/CHARGER ASSY, TVS2300, GEN4 VORTEC TRUCK, EXCL QVR	

KIT ALSO INCLUDES:

#15419-GT PULLEY

#12953 UNIVERSAL INTERCOOLER KIT



ENGINEERING PERFORMANCE SINCE 1955

Tech Guide

GEN III & IV VORTEC LS GENERIC SUPERCHARGER



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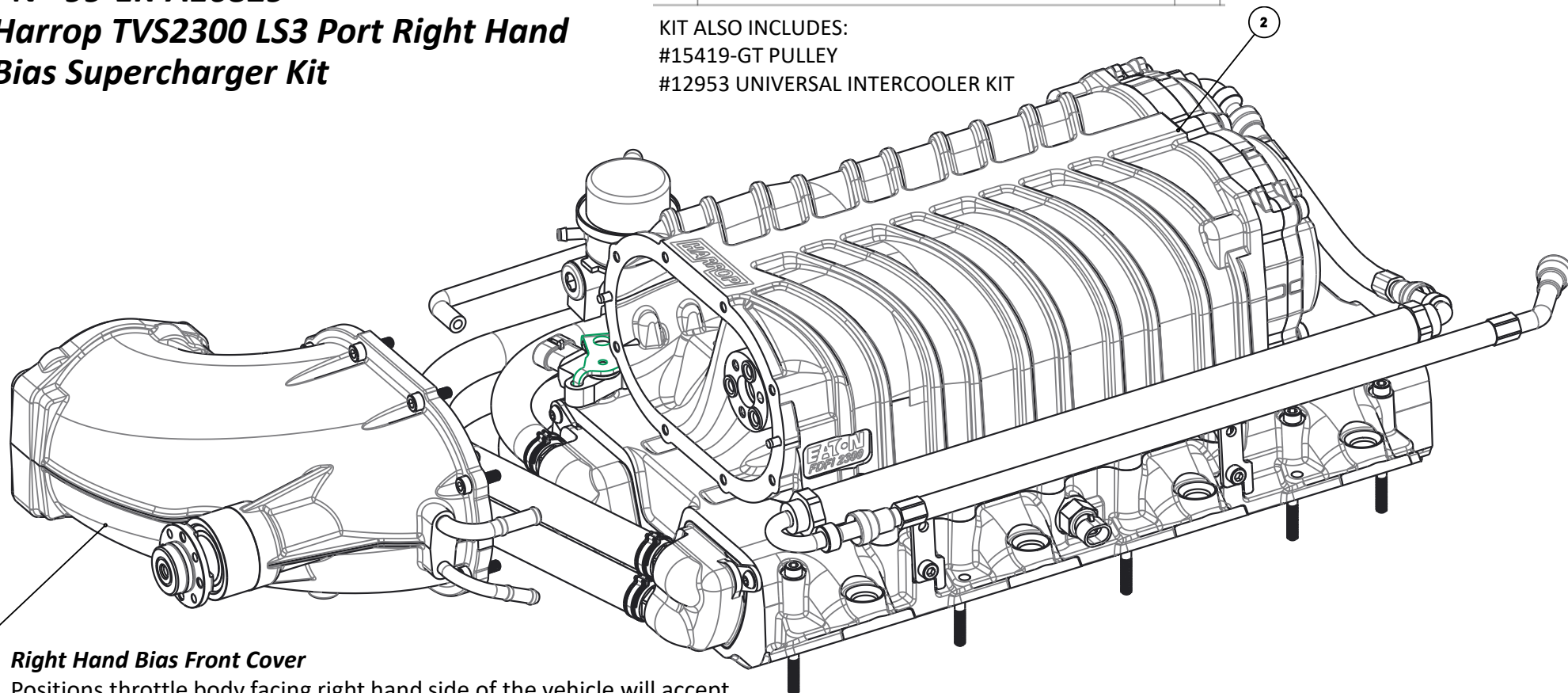
Harrop TVS2300 LS3 Port Right Hand Bias Supercharger Kit

ITEM	DESCRIPTION	QTY
1	COVER, INLET, FDFI, HTV1900-2300, RH,VORTEC	1
2	MANIFOLD, S/CHARGER ASSY, TVS2300, GEN4 VORTEC TRUCK, EXCL QVR	

KIT ALSO INCLUDES:

#15419-GT PULLEY

#12953 UNIVERSAL INTERCOOLER KIT



Right Hand Bias Front Cover

Positions throttle body facing right hand side of the vehicle will accept a stock 4 bolt LS throttle body with included throttle body spacer. Will also accept a 103mm LS style throttle body with spacer removed.

ENGINEERING PERFORMANCE SINCE 1955

5
04/04/2024

Tech Guide

GEN III & IV VORTEC LS GENERIC SUPERCHARGER



PN - 99-EK-A16861

***Harrop TVS2300 LS1 Port Straight Bias
Supercharger Kit***



ENGINEERING PERFORMANCE SINCE 1955

04/04/2024

Tech Guide

GEN III & IV VORTEC LS GENERIC SUPERCHARGER



PN - 99-EK-A16862

***Harrop TVS2300 LS1 Port Right Hand
Bias Supercharger Kit***



ENGINEERING PERFORMANCE SINCE 1955

7

04/04/2024

Tech Guide

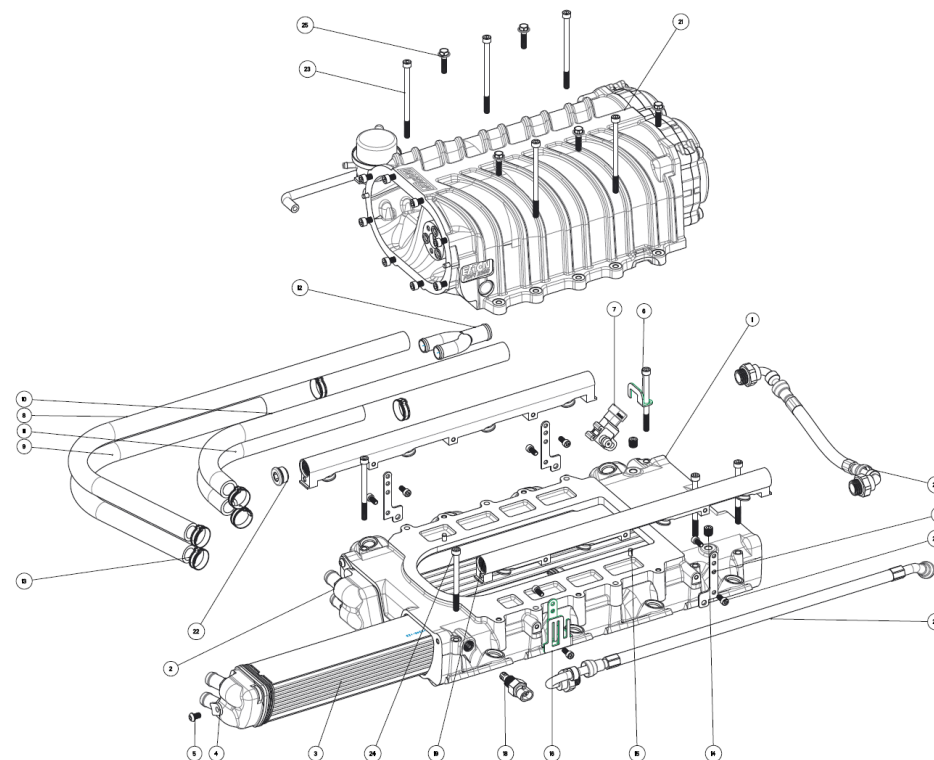
GEN III & IV VORTEC LS GENERIC SUPERCHARGER



PN - 99-EK-A16860

Harrop TVS2300 LS1 Port Supercharger Kit

ITEM		DESCRIPTION	QTY
1	PART	MANIFOLD, SUPERCHARGER, HTV2300, LS1-2	1
2	ASSEMBLY	CORE, INTERCOOLER (6MM FIN, 2MM TUBE), LH, FDFI, L76	1
3	ASSEMBLY	CORE, INTERCOOLER (6MM FIN, 2MM TUBE), RH, FDFI, L76	1
4	PART	RETAINER, INTERCOOLER, FDFI, L76	2
5	PART	SCREW, CAP, BUTTON HEAD, M6 x 10, GEOMET500A	2
6	PART	RETAINER, MAP-SENSOR, 16212460, LS112	1
7	PART	SENSOR, MAP, 2.7-BAR, GM 12592525	1
8	PART	HOSE, INTERCOOLER, 5/8", 650 LONG	1
9	PART	HOSE, INTERCOOLER, 5/8", 430 LONG	1
10	PART	HOSE, INTERCOOLER, 5/8", 540 LONG	1
11	PART	HOSE, INTERCOOLER, 5/8", 300 LONG	1
12	ASSEMBLY	FITTING, Y, 16, TO, 19	1
13	PART	CLAMP, COBRA, FUEL INJECTION, 22mm, NORMA, 65-COBRA-22/8-W4	6
14	PART	PLUG, PRESSURE, 1/8 BSPT, ZINC PLATED	2
15	PART	DOWEL, PIN, Ø5.0 x 16 LONG	2
16	PART	MOUNT, RAIL, FUEL, FRONT, LHS, LS112	1
17	PART	MOUNT, RAIL, FUEL, FRONT, RHS, LS112	3
18	PART	SENSOR, TEMPERATURE, 25037388, GM	1
19	PART	RAIL, FUEL, LS112	2
20	PART	SCREW, CAP, SOCKET HEAD, M5 x 12, ZINC PLATED	8
21	ASSEMBLY	SUPERCHARGER, HTV2300, FDFI, LUG-MOUNT, VERTICAL ACTUATOR, NO COVER	1
22	PART	PLUG, 3/4 16, SPEEDFLOW, 814-8	1
23	PART	SCREW, SOCKET HEAD CAP, M6 x 100, ZINC PLATED	5
24	PART	SCREW, SOCKET HEAD CAP, M6 x 80, ZINC PLATED	5
25	PART	BOLT, FLANGED HEAD, M6 x 25, GEOMET500A	5
26	ASSEMBLY	HOSE, FUEL, GM	1
27	ASSEMBLY	HOSE, CROSSOVER, PL-HRP98-1	1



KIT ALSO INCLUDES:
RIVOT BLIND ASP-5-4, x 8
LOCTITE 518 6ML
SUPERCHARGER PINNING KIT, x 1
HARROP ENHANCED BADGE, x 1
INSTALL/WARRANTY GUIDE (BUSINESS CARD)
#10124 LOOM PATCH MAF & REMOTE TEMP SENSOR VE, x 1
#15837 MOUNT ASSY IDLER LS 5.3, x 1
#14751 GASKET INSULATOR MFD LS1 FDFI S/CHARGER,

ENGINEERING PERFORMANCE SINCE 1955

8

04/04/2024



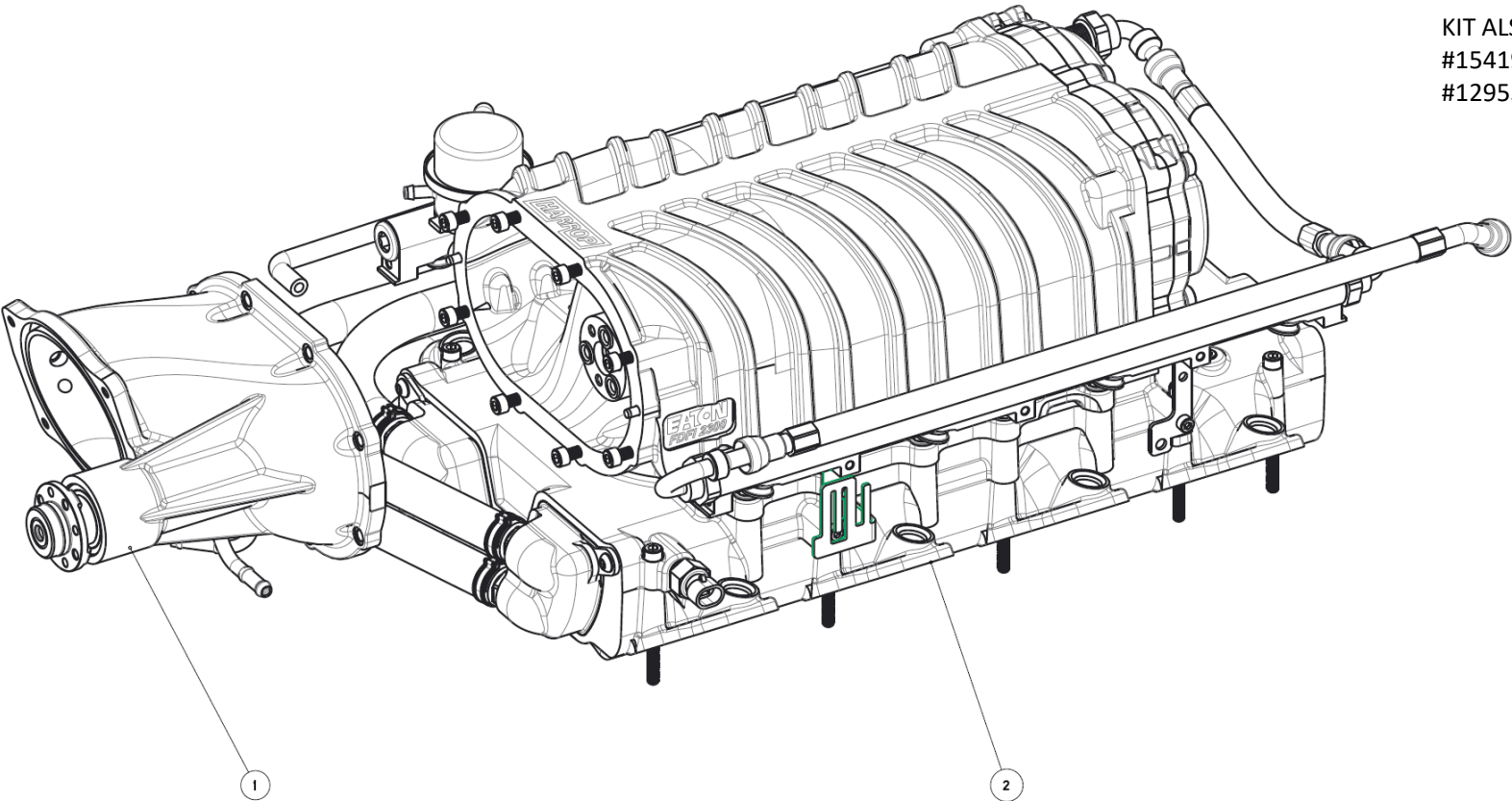
PN - 99-EK-A16861

Harrop TVS2300 LS1 Port Straight Bias

Supercharger Kit

ITEM	DESCRIPTION	QTY
1	COVER, INLET, FDFI, HTV1900-2300, LS3	1
2	MANIFOLD, S/CHARGER ASSY, TVS2300, GEN3-LSI VORTEC UNIV, EXCL CVR	1

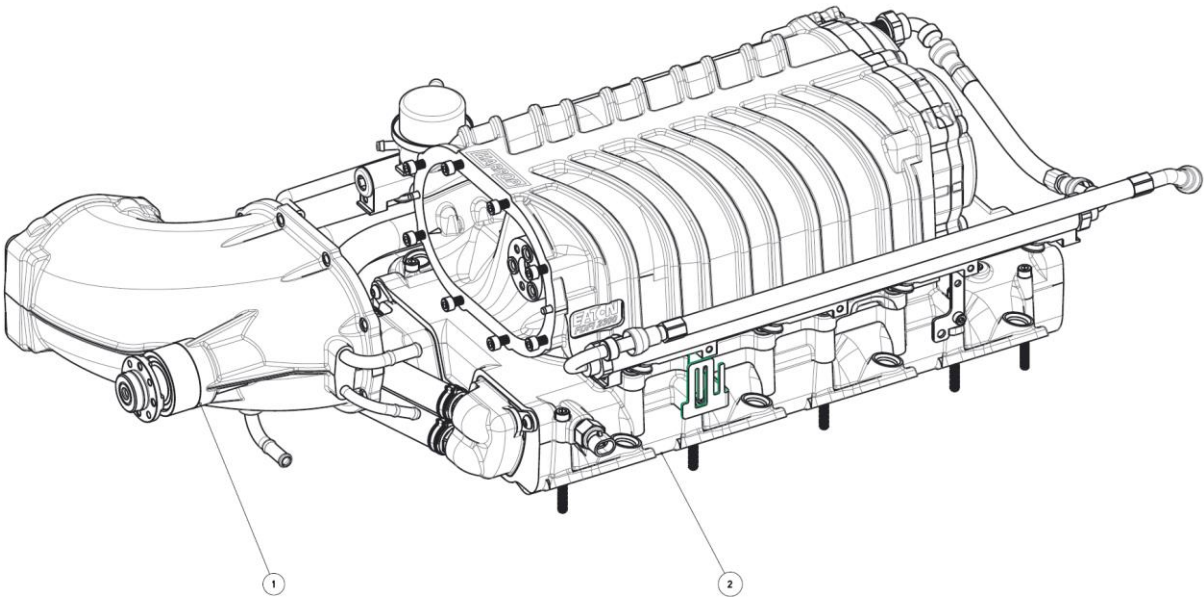
KIT ALSO INCLUDES:
#15419-GT PULLEY
#12953 UNIVERSAL INTERCOOLER KIT



PN - 99-EK-A16862

Harrop TVS2300 LS1 Port Right Hand Bias Supercharger Kit

ITEM	DESCRIPTION
1	COVER, INLET, FDFI, HTV1900-2300, RH,VORTEC
2	MANIFOLD, S/CHARGER ASSY, TVS2300, GEN3-LS1 VORTEC UNIV, EXCL CVR



KIT ALSO INCLUDES:
#15419-GT PULLEY
#12953 UNIVERSAL INTERCOOLER KIT

Right Hand Bias Front Cover
Positions throttle body facing right hand side of the vehicle will accept a stock 4 bolt LS throttle body with included throttle body spacer. Will also accept a 103mm LS style throttle body with spacer removed.

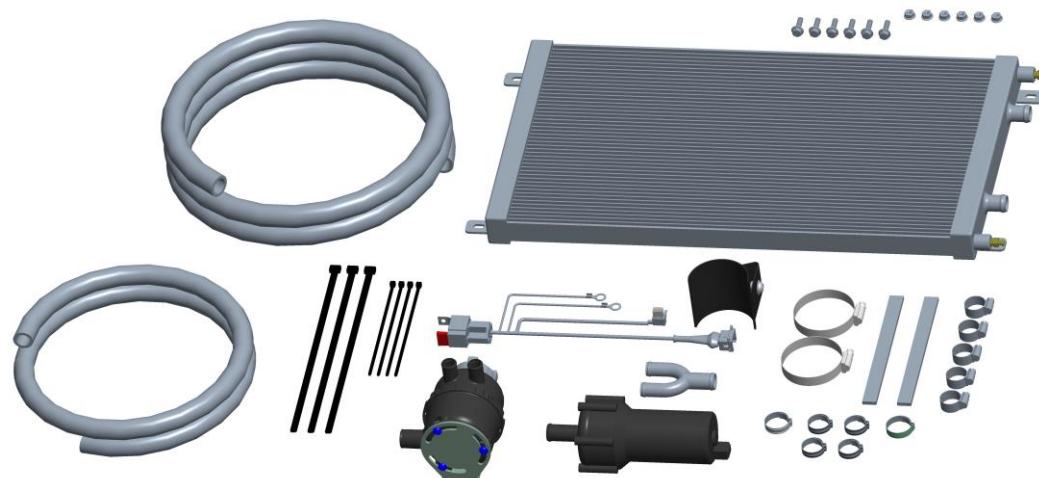
Tech Guide

GEN III & IV VORTEC LS GENERIC SUPERCHARGER



Harrop Universal Intercooler Kit– A12953

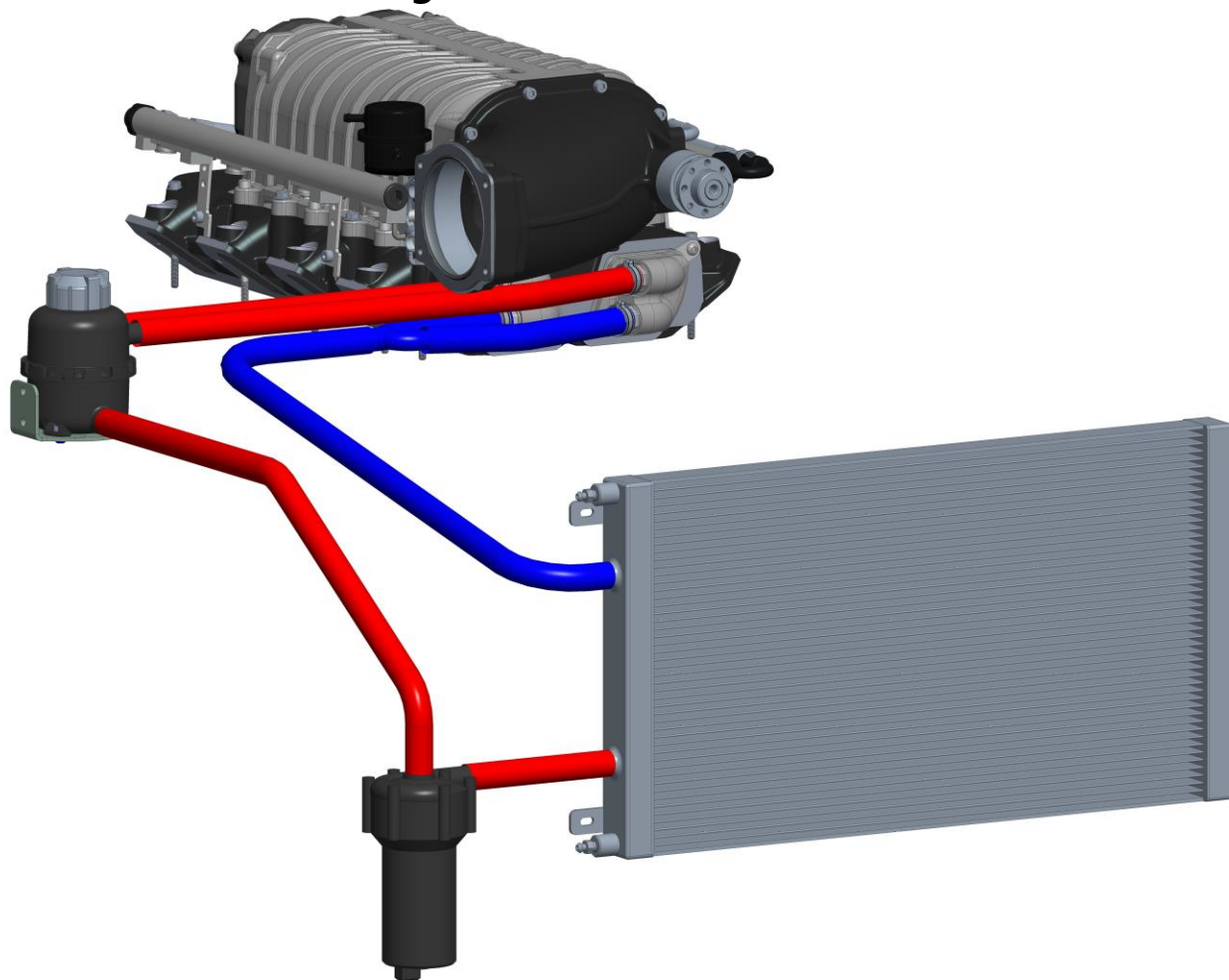
ITEM	DESCRIPTION	QTY
1	BOLT, FLANGED HEAD, M6 x 20, GEOMET500A	6
2	CLAMP, COBRA, FUEL INJECTION, 22mm, NORMA, 65-COBRA-22/8-W4	4
3	CLAMP, COBRA, FUEL INJECTION, 25mm, NORMA, 65-COBRA-25/8-W4	1
4	CLAMP, COBRA, FUEL INJECTION, 26mm, NORMA, 65-COBRA-26/8-W4	1
5	CLAMP, HOSE, 16-24mm, STAINLESS STEEL, #10	5
6	CLAMP, HOSE, 46-70mm, STAINLESS STEEL, 12mm BAND	2
7	FITTING, Y, 16, TO, 19	1
8	HOSE, HEATER, 3/4", 4000 LONG	1
9	HOSE, HEATER, 5/8", 1600 LONG	1
10	LOOM, PUMP, INTERCOOLER, LSI, VT-VZ	1
11	MOUNT, PUMP, INTERCOOLER, FT86	1
12	NEOPRENE, SPONGE, RUBBER, 16 x 4.5 x 180 (44-NSR)	2
13	NUT, FLANGED, M6 x 1 HEX, GEOMET500A	6
14	PUMP, INTERCOOLER, BOSCH 0 392 022 002 (M850IL54)	1
15	RADIATOR, INTERCOOLER, 560mm x 305mm x 40mm	1
16	RESERVOIR INTERCOOLER, UNIVERSAL	1
17	TIE, CABLE, 150x3.2mm, BLACK	4
18	TIE, CABLE, 380x7.6mm, BLACK	3



ENGINEERING PERFORMANCE SINCE 1955

11
04/04/2024

Harrop Universal Intercooler Kit Routing

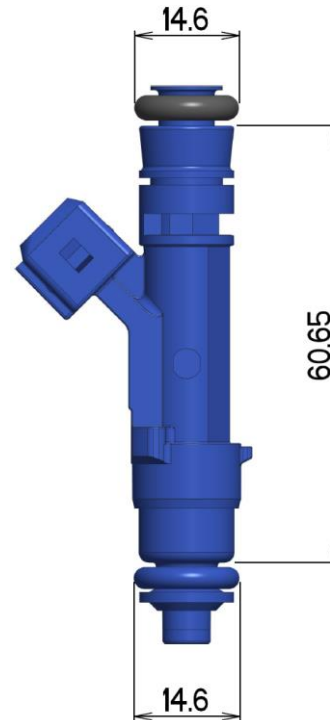


ENGINEERING PERFORMANCE SINCE 1955

12
04/04/2024

Fuel System

- Manifold assembly will accept EV14 Long body injectors with 14.6mm o-ring's both ends such as DeatschWerks 18U-00-0060-8.
- Fuel hoses included to connect to GM quick connect. Rail fitting size is -8 ORB both ends.

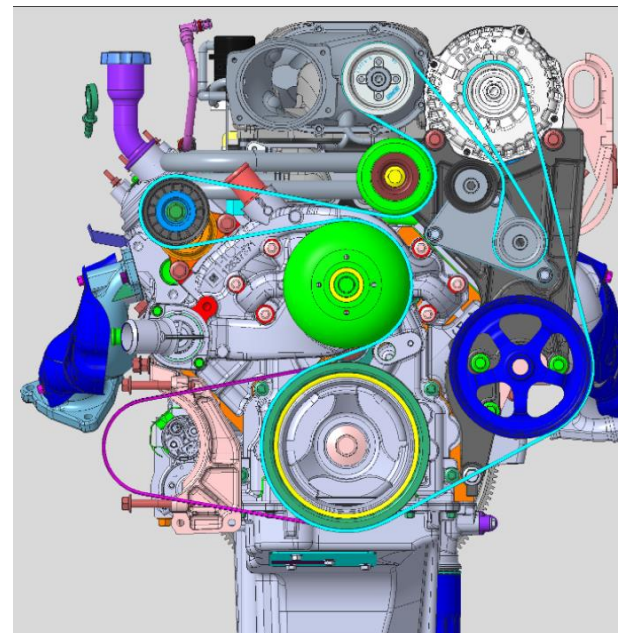


Accessory Drive

Supercharger Pulley

Vortec LS 6PK	6PK	Minus 17 offset
Included in kit	95mm	99-PLY15419-GT
	90mm	99-PLY15418-GT
	85mm	99-PLY15406-GT
	80mm	99-PLY15405-GT
	75mm	99-PLY14483-GT
	70mm	99-PLY16071-GT
	65mm	99-PLY16072-GT

Belt Routing



- 6PK Drive System will have limitations at higher supercharger speeds. This drive system is intended for lower boost applications.
- This kit requires use of OEM GM Vortec accessory drive (GM PN 12554030). Water pump with short hose outlet required (GM PN 19253263)