



Owner's Installation Guide for the
Paxton Automotive
Novi 1200/1500 Supercharger
for the
Universal Small Block
Ford-Carbureted System*

*Legal in California only for racing vehicles which may never be used upon a public highway.

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FOREWORD

This manual provides information on the installation, maintenance and service of the Paxton supercharger kit expressly designed for this vehicle. All information, illustrations and specifications contained herein are based on the latest product information available at the time of this publication. Changes to the manual may be made at any time without notice. Contact Paxton Automotive for any additional information regarding this kit and any of these modifications at (805) 888-9PAXTON 8:00am-4:30pm PST.



Take note of the following before proceeding:

1. Proper installation of this supercharger kit requires general automotive mechanic knowledge and experience. Please browse through each step of this instruction manual prior to beginning the installation to determine if you should refer the job to a professional installer/technician. Please contact your dealer or Paxton Automotive for possible installers in your area.
2. **This product was designed for use on stock (*un-modified, OEM*) vehicles.** The caburetor, engine, transmission, drive axle ratios and tire O.D. must be stock. If the vehicle or engine has been modified in any way, check with Paxton prior to installation and use of this product.
3. Use only premium grade fuel with a minimum of 91 octane (*R+M/2*).
4. Always listen for any sign of detonation (*knocking/pinging*) and discontinue hard use (*no boost*) until the problem is resolved.
5. Paxton is not responsible for any clutch, transmission, drive-line or engine damage.

Exclusions from Paxton warranty coverage considerations include, but not limited to:

1. Neglect, abuse, lack of maintenance, abnormal operation or improper installation.
2. Continued operation with an impaired vehicle or sub-system.
3. The combined use of Paxton components with other modifications such as, but not limited to, exhaust headers, aftermarket camshafts, nitrous oxide, third party tuning or other such changes.

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Universal Small Block Ford Carbureted System

Installation Instructions

PLEASE READ CAREFULLY

This kit should only be installed by qualified mechanics. **It is imperative that the correct air/fuel mixture be maintained at all times. This Kit is to be supplied to competent engine tuners for their completion by the addition of, and tuning of, an appropriate carburetor unit.**

This product is intended for use on healthy, well maintained engines. Installation on a worn-out or damaged engine is not recommended and may result in failure of the engine.

Paxton Automotive is not responsible for engine damage. Installation on new engines will not harm or adversely affect the break-in period so long as factory break-in procedures are followed.

For best performance and continued durability, please take note of the following key points:

1. Use only premium grade fuel 91 octane or higher (R+M/2).
2. The engine must have stock or lower than stock compression ratio.
3. If the engine has been modified in any way, check with Paxton prior to using this product.
4. Always listen for any sign of detonation (pinging) and discontinue hard use (no boost) until problem is resolved.
5. Perform an oil and filter change upon completion of this installation and prior to operating the vehicle. Thereafter, always use a high grade "SF" rated engine oil or a high quality synthetic, and change the oil and filter every 3000 miles.
6. Before beginning installation, replace all spark plugs with one to two step colder heat range and reset timing to no more than 26° total or install a boost retard ignition. (Always follow the procedures indicated in the factory repair manual.)

TOOL AND SUPPLY REQUIREMENTS:

- Factory Repair Manual
- 3/8" Drive and Socket Set: SAE and Metric
- 1/2" Drive and Socket Set: SAE and Metric
- Open End Wrenches: SAE and Metric
- Center Punch
- SF Rated Quality Engine Oil
- Loctite Sealer #RC-609
- Oil Filter, and Wrench
- Heavy Grease
- Silicone Sealer
- Teflon Paste Sealant
- TAP, 3/8-18 NPT



1964-1968 Mustang Small Block Ford, Passenger's Side Carbureted Part No. 1001839 (NOVI 1200) | Part No. 1001846 (NOVI 1500) **PARTS LIST**

IMPORTANT: Before beginning installation, verify that all parts are included in the kit. Report any shortages or damaged parts immediately.

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
1016116	S/C ASY, NOVI 1200, CW, CRV	1	4PFX130-036	OIL DRAIN ASY, SBF CARB	1
2A038-370	S/C PULLEY Ø3.70" 8-GROOVE	1	7P375-017	3/8"NPT x 1/2" BEADED HOSE BARB	1
2A048-575	BELT, 57.5"	1	7R001-008	#8 STNLS HOSE CLAMP	2
1016124	S/C ASY, NOVI 1500, CW, CRV	1	7U030-036	1/2" OIL-DRAIN HOSE	1.5'
2A038-370	S/C PULLEY Ø3.70" 8-GROOVE	1	4PFX112-021	AIR DISCHARGE ASY, SBF CARB	1
2A048-575	BELT, 57.5"	1	4PFX012-021	MACH, DISCH TUBE SBF CARB	1
4PFX118-021	S/C DRIVE ASY 3 OR 4 BOLT	1	7P750-100	3/4"NPT x 1" HOSE FITTING	1
4FA111-042	S/C BELT TENSIONER ASY, H.O.	1	7PS300-275	REDUCER, 3.00" - 2.75"	1
4PFX017-933	SPACER, SBF C/P	1	7PS350-300	REDUCER, BLK 3.5" - 3" x 2"LG, MOD	1
4PFX018-021	CRANK PULLEY, SBF CARB	1	7R002-016	#16 GOLDSEAL, HOSE CLAMP	2
7A375-151	3/8-16 x 1.5" HXHD GR8	4	7R002-044	#44 SAE TYPE "F" SS HOSE CLAMP	1
7A375-250	3/8-16 x GR8 HX	3	7R002-048	#48 SAE TYPE "F" SS HOSE CLAMP	2
7K375-040	3/8"AN960 FLAT WASHER, PLATED	4	7R002-056	#56 SAE TYPE "F" SS HOSE CLAMP	1
8PM205-012	CARB.ENCL ASY, SBF CARB	1	7U030-046	5/32" VACUUM LINE	2
8PM105-012	ENCL. STD. MACH. ASY	1	7U034-016	1" GS HOSE	0.25
8PM003-051	CARB CVR, PAXTON	1	8D001-001	STD COMP BYPASS VALVE	1
7P500-087	PLUG BTNHD, AN-8 WITH O-RING, BLK	3	8M003-041	MACHINE, 3.5" FLANGE	1
7A312-078	5/16-18 x 3/4" HOSE	16	8H040-075	1" AIR FILTER	1
7P187-102	FITTING, -3 TO 1/4" HOSE	3	4PFX101-001	FUEL ASY, SBF CARB	1
7P187-103	PLUG, -3 BUTTONHEAD WITH O-RING	1	7P125-016	1/8"NPT PLUG	1
7P375-104	PLUG, OIL HOLE	3	7P250-043	1/4"NPT x 5/16" BARB	1
7A312-252	5/16" STUD	4	7P250-047	1/4"NPT TO 3/8" BARB 90°	1
7F312-024	6/16-24 JAM NUT	4	7P250-141	-6 HOSE END, 90°	1
7J312-000	5/16" FLAT WASHER-SAE	4	7P500-083	AN -8 HOSE END, STRAIGHT	1
7U100-003	O-RING, -3	4	7P500-084	MALE TEE -8, -6, -6	1
7U100-008	O-RING, -8	3	7P500-085	FITTING, -8 BULKHEAD WITH O-RING	1
8M001-018	GASKET, 90mm THROTTLE BODY	1	7P500-086	120° -8 TO 1/2" BARB	1
7C011-050	10-32 PLUG SCREW	1	7P500-087	PLUG, AN -8 O-RING PORT	1
7U100-020	10-32 GASKET	1	7P500-089	FITTING, -8 BULKHEAD NUT, BLK	1
8M001-017	HOLLEY 4-BARREL BASE GASKET	2	7P500-377	AN-8 MALE SHORT, -6 MALE STD	1
7P250-084	1/4"NPT x 1/2" x 90° BARB	1	7R001-006	#6 STNLS HOSE CLAMP	4
8M110-600	ASY, THROTTLE '64-'68 MUSTANG	1	7U030-046	5/32" VACUUM LINE	4.5
2A017-031	SPACER, THROTTLE ENCL. .313"ID	1	7U032-016	3/8" EFI FUEL HOSE, HI-PSR	2.5
4PFX017-200	SPACER, '64-'68 MUSTANG THROTTLE ARM, 2"	1	7U100-008	O-RING, -8	3
7A375-075	3/8-16 x 3/4" GR5 HXHD ZINC	1	8H040-020	FUEL FILTER, INLINE 3/8"	1
7C010-052	10-24 x 1/2" SS BHCS	4	8F001-120	FUEL PUMP, SBF CARB 120GPH, 6-PSI	1
7C010-077	10-24 x 3/4" SS BHCS	5	4PFX020-010	INSTALLATION INSTRUCTIONS, SBF CARB	1
7C010-187	3/16" ROD END, RH WITH NUT	2	8H040-045	AIR FILTER 3.75"FLG x 5"L (NOVI 1500)	1
7C010-188	3/16" ROD END, LH WITH NUT	2	8H040-350	AIR FILTER, 3.5"FLG x 5.1"L OFFSET (NOVI 1200)	1
7C011-075	10-32 SCREW	1	008575	S/C STRT INFO PKG ASY PAXTON	1
7F010-001	NUT, THROTTLE	1	3863515	DECAL, PAXTON COLOR 9"X3"	1
7F010-033	10-32 NUT	1	8M110-100	HOLLEY 4150 FLOAT BOWL LINE ASY	1
7J010-001	#10 FLAT WASHER	8	8M110-120	DEMO FLOAT BOWL LINE ASY w/FTGS	1
7J010-687	WASHER, THROTTLE	1		ADDITIONAL PARTS NEEDED FOR COMPLETE INSTALLATION	
7J375-044	3/8"SAE WASHER, PLTD	2	1)	HOLLEY 4150 OR DEMON STYLE MECHANICAL SECONDARY CARBURETOR	
8M010-010	BRACKET, IDLE	1	2)	FOR VEHICLES EQUIPPED WITH AIR CONDITIONING, ORDER 4PFX110-080	
8M010-040	THROTTLE ARM INNER	2	4PFX110-080	SBF AC TENSIONER ASY	1
8M010-050	THROTTLE SHAFT	1	4PFX010-080	PLATE, SBF, A/C TENSIONER	1
8M010-070	RETAINER, SPRING ENCL.	1	4PFX010-090	MOUNT, SBF A/C TENSIONER PLATE	2
8M010-080	RETAINER, SPRING THROTTLE	1	4PFX016-011	PULLEY, SBF WP, AC DRIVE	1
8M010-090	SPRING, THROTTLE ENCL.	1	2A041-365	V-BELT, 7365 GATES	1
8M010-140	SHAFT, 5/16" HEX	1	2A017-876-07	SPACER, .875"OD x 1.490" LONG	1
8M010-600	SHAFT, THROTTLE '64-'66 MUSTANG	1	2A017-876-12	SPACER, .875"OD x .475" LONG	1
4PFX110-044	MTG PLATE ASY, PASSENGER'S SIDE	1	7A375-150	3/8-16 x 1.5" HXHD GR5 PLTD	4
4PFX010-050	PRIMARY MTG PLATE	1	7A375-175	3/8-16 x 1-3/4" HXHD GR5 PLT	2
4PFX010-070	S/C MTG PLATE	1	7A312-351	5/16-18 x 3-1/2" HXHD	2
2A017-101-400	SPACER, SBF MTG PLATE	4	7K312-001	5/16" AN WASHER, PLATED	2
2A017-101-121	SPACER, FORD ALTERNATOR	1	7K375-040	3/8"AN960 FLAT WASHER, PLATED	6
7A375-500	3/8-16 x 5" HXHD GR8	3	2A017-052	SPACER 1.41"L, 1"OD AL.	1
7A375-575	3/8-16 x 5.75" HXHD GR8 PLT	2	4FG017-021	SPACER, .304"L x 1"OD AL	1
7A375-126	3/8-16 x 1.25" HXHD GR8 PLT	6	2A017-462	SPACER, IDLER SMOOTH 6-RIB	1
7A437-550	7/16-14 x 5-1/2" HXHD	1	7A375-375	3/8-16 x 3-3/4" HXHD	1
7K375-040	3/8"AN960 FLAT WASHER, PLATED	11	7J375-044	3/8" SAE WASHER, PLTD	2
4PFX130-026	OIL FEED LINE ASY, SBF CARB	1	4FR016-150	STEEL IDLER PLY, 3" SMOOTH	1
7P125-004	1/8"NPT 90° x -4 JIC FTG	1	4FA016-171	DUST COVER (IDLER PULLEY)	1
7P250-034	1/4"NPT x 1/4"NPT STRT T	1	7A437-250	7/16-14 x 2.5" HXHD ZINC	3
7P250-250	1/4"NPT STR x -4 JIC FTG	1	7J438-081	7/16" SAE WASHER PLATED	3
7U250-090-240	OIL-FEED HOSE, 24" -4 x 90°	1	2A017-101-135	SPACER, 1.35"L, SBF w/AC	3
7U100-055	TIE-WRAP, 6" NYLON	2			



1964-1968 Mustang Small Block Ford, Driver's Side Carbureted

Part No. 1001840 (NOVI 1200) | Part No. 1001847 (NOVI 1500)

PARTS LIST

IMPORTANT: Before beginning installation, verify that all parts are included in the kit. Report any shortages or damaged parts immediately.

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
1016117	S/C ASY, NOVI 1200, CW, STR	1	4PFX130-036	OIL DRAIN ASY, SBF CARB	1
2A038-370	S/C PULLEY Ø3.70" 8-GROOVE	1	7P375-017	3/8"NPT x 1/2" BEADED HOSE BARB	1
2A048-575	BELT, 57.5"	1	7R001-008	#8 STNLS HOSE CLAMP	2
1016127	S/C ASY, NOVI 1500, CW, STR	1	7U030-036	1/2" OIL DRAIN HOSE	1.5'
2A038-370	S/C PULLEY Ø3.70" 8-GROOVE	1	4PFX212-040	AIR DISCHARGE ASY, DRIVER'S SIDE	1
2A048-575	BELT, 57.5"	1	4PFX112-040	DISCH TUBE DRIVER'S SIDE	1
4PFX118-021	S/C DRIVE ASY, 3 OR 4 BOLT	1	7PS275-200	SLEEVE, 2.75" x 2.0" BLACK	1
4FA111-042	S/C BELT TENSIONER ASY, H.O.	1	7PS350-275	REDUCER, BLK 3.5" - 2.75"	1
4PFX017-933	SPACER, SBF C/P	1	7R002-016	#16 GOLDSEAL, HOSE CLAMP	2
4PFX018-021	CRANK PULLEY, SBF CARB	1	7R002-044	#44 SAE TYPE "F" SS HOSE CLAMP	3
7A375-151	3/8-16 x 1.5" HXHD GR8	4	7R002-056	#56 SAE TYPE "F" SS HOSE CLAMP	1
7A375-250	3/8-16 x GR8 HX	3	7U030-046	5/32" VACUUM LINE	3'
7K375-040	3/8"AN960 FLAT WASHER, PLATED	4	7U034-016	1" GS HOSE	0.25
8PM205-012	CARB. ENCL ASY, SBF CARB	1	8D001-001	STD COMP BYPASS VALVE	1
8PM105-012	ENCL. STD. MACH. ASY	1	8M003-011	MACHINE, 3.5" FLANGE 90°	1
8PM003-051	CARB CVR, PAXTON	1	8H040-075	1" AIR FILTER	1
7P500-087	PLUG BTNHD, AN -8 w/0-RING, BLK	3	4PFX101-001	FUEL ASY, SBF CARB	1
7A312-078	5/16-18 x 3/4" HOSE	16	7P125-016	1/8"NPT PLUG	1
7P187-102	FITTING, -3 TO 1/4" HOSE	3	7P250-043	1/4"NPT x 5/16" BARB	1
7P187-103	PLUG, -3 BUTTONHEAD WITH O-RING	1	7P250-047	1/4"NPT-3/8" BARB 90°	1
7P375-104	PLUG, OIL HOLE	3	7P250-141	-6 HOSE END, 90°	1
7A312-252	5/16" STUD	4	7P500-083	AN -8 HOSE END, STRAIGHT	1
7F312-024	6/16-24 JAM NUT	4	7P500-084	MALE TEE -8, -6, -6	1
7J312-000	5/16" FLAT WASHER-SAE	4	7P500-085	FITTING, -8 BULKHEAD WITH O-RING	1
7U100-003	O-RING, -3	4	7P500-086	120° -8 TO 1/2" BARB	1
7U100-008	O-RING, -8	3	7P500-087	PLUG, AN -8 O-RING PORT	1
8M001-018	GASKET, 90mm THROTTLE BODY	1	7P500-089	FITTING, -8 BULKHEAD NUT, BLK	1
7C011-050	10-32 PLUG SCREW	1	7P500-377	AN-8 MALE SHORT -6 MALE STD	1
7U100-020	10-32 GASKET	1	7R001-006	#6 STNLS HOSE CLAMP	4
8M001-017	HOLLEY 4-BARREL BASE GASKET	2	7U030-046	5/32" VACUUM LINE	4.5
7P250-084	1/4"NPT x 1/2" x 90° BARB	1	7U032-016	3/8" EFI FUEL HOSE HI-PSR	2.5
8M110-600	ASY, THROTTLE '64-'68 MUSTANG	1	7U100-008	O-RING, -8	3
2A017-031	SPACER, THROTTLE ENCL. .313"ID	1	8H040-020	FUEL FILTER, INLINE 3/8"	1
4PFX017-200	SPACER, '64-'68 MUS. THROTTLE ARM, 2"	1	8F001-120	FUEL PUMP, SBF CARB 120GPH, 6-PSI	1
7A375-075	3/8-16 x 3/4" GR5 HXHD ZINC	1	4PFX020-010	INSTALLATION INSTRUCTIONS, SBF CARB	1
7C010-052	10-24 x 1/2" SS BHCS	4	8H040-045	AIR FILTER, 3.75"FLG x 5"L OFFSET (NOVI 1500)	1
7C010-077	10-24 x 3/4" SS BHCS	5	8H040-350	AIR FILTER, 3.5"FLG x 5.1"L OFFSET (NOVI 1200)	1
7C010-187	3/16" ROD END RH WITH NUT	2	008575	S/C STRT INFO PKG ASY PAXTON	1
7C010-188	3/16" ROD END LH WITH NUT	2	3863515	DECAL, PAXTON COLOR 9"X3"	1
7C011-075	10-32 SCREW	1	8M110-100	HOLLEY 4150 FLOAT BOWL LINE ASY	1
7F010-001	NUT, THROTTLE	1	8M110-120	DEMON FLOAT BOWL LINE ASY w/FTGS	1
7F010-033	10-32 NUT	1			
7J010-001	#10 FLAT WASHER	8			
7J010-687	WASHER, THROTTLE	1			
7J375-044	3/8"SAE WASHER, PLTD	2			
8M010-010	BRACKET, IDLE	1			
8M010-040	THROTTLE ARM, INNER	2			
8M010-050	THROTTLE SHAFT	1			
8M010-070	RETAINER, SPRING ENCL.	1			
8M010-080	RETAINER, SPRING THROTTLE	1			
8M010-090	SPRING, THROTTLE ENCL.	1			
8M010-140	SHAFT, 5/16" HEX	1			
8M010-600	SHAFT, THROTTLE '64-'66 MUSTANG	1			
4PFX110-034	MTG PLATE ASY, DRIVER SIDE	1			
4PFX010-034	PRIMARY MTG PLATE	1			
4PFX010-044	S/C MTG PLATE	1			
2A017-101-475	SPACER, SBF MTG PLATE	4			
7A375-650	3/8-16 x 6.5" HXHD GR8	2			
7A375-575	3/8-16 x 5.75" HXHD GR8 PLT	2			
7A375-126	3/8-16 x 1.25" HXHD GR8 PLT	6			
7A437-650	7/16-14 x 6.5" HXHD	1			
7K375-040	3/8"AN960 FLAT WASHER, PLATED	11			
4PFX130-026	OIL FEED LINE ASY, SBF CARB	1			
7P125-004	1/8"NPT x 90° x -4 JIC FTG	1			
7P250-034	1/4"NPT x 1/4"NPT STRT T	1			
7P250-250	1/4"NPT STR x -4 JIC FTG	1			
7U250-090-240	OIL FEED HOSE, 24" x -4 x 90°	1			
7U100-055	TIE-WRAP, 6" NYLON	2			



Base Kit, Universal Small Block Ford, Passenger's Side Carbureted Part No. 1001841 **PARTS LIST**

IMPORTANT: Before beginning installation, verify that all parts are included in the kit. Report any shortages or damaged parts immediately.

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
4PFX118-021	S/C DRIVE ASY 3 OR 4 BOLT	1	4PFX101-001	FUEL ASY, SBF CARB	1
4FA111-042	S/C BELT TENSIONER ASY, H.O.	1	7P125-016	1/8"NPT PLUG	1
4PFX017-933	SPACER, SBF C/P	1	7P250-043	1/4"NPT x 5/16" BARB	1
4PFX018-021	CRANK PULLEY, SBF CARB	1	7P250-047	1/4"NPT TO 3/8" BARB 90°	1
7A375-151	3/8-16 x 1.5" HXHD GR8	4	7P250-141	-6 HOSE END, 90°	1
7A375-250	3/8-16 x GR8 HX	3	7P500-083	AN -8 HOSE END, STRAIGHT	1
7K375-040	3/8"AN960 FLAT WASHER, PLATED	4	7P500-084	MALE TEE -8, -6, -6	1
8PM205-012	CARB.ENCL ASY, SBF CARB	1	7P500-085	FITTING, -8 BULKHEAD w/O-RING	1
8PM105-012	ENCL. STD. MACH. ASY	1	7P500-086	120° -8 TO 1/2" BARB	1
8PM003-051	CARB CVR, PAXTON	1	7P500-087	PLUG, AN -8 O-RING PORT	1
7P500-087	PLUG BTNHD, AN-8 w/O-RING, BLK	3	7P500-089	FITTING, -8 BULKHEAD NUT, BLK	1
7A312-078	5/16-18 x 3/4" HOSE	16	7P500-377	AN-8 MALE SHORT -6 MALE STD	1
7P187-102	FITTING, -3 TO 1/4" HOSE	3	7R001-006	#6 STNLS HOSE CLAMP	4
7P187-103	PLUG, -3 BUTTONHEAD WITH O-RING	1	7U030-046	5/32" VACUUM LINE	4.5
7P375-104	PLUG, OIL HOLE	3	7U032-016	3/8" EFI FUEL HOSE HI-PSR	2.5
7A312-252	5/16" STUD	4	7U100-008	O-RING, -8	3
7F312-024	6/16-24 JAM NUT	4	8H040-020	FUEL FILTER, INLINE 3/8"	1
7J312-000	5/16" FLAT WASHER-SAE	4	8F001-120	FUEL PUMP, SBF CARB 120GPH, 6-PSI	1
7U100-003	O-RING, -3	4			
7U100-008	O-RING, -8	3			
8M001-018	GASKET, 90mm THROTTLE BODY	1			
7C011-050	10-32 PLUG SCREW	1			
7U100-020	10-32 GASKET	1			
8M001-017	HOLLEY 4-BARREL BASE GASKET	2			
7P250-084	1/4"NPT x 1/2" x 90° BARB	1			
4PFX110-044	MTG PLATE ASY, PASSENGER'S SIDE	1			
4PFX010-034	PRIMARY MTG PLATE	1			
4PFX010-044	S/C MTG PLATE	1			
2A017-101-400	SPACER, SBF MTG PLATE	4			
2A017-101-121	SPACER, FORD ALTERNATOR	1			
7A375-500	3/8-16 x 5" HXHD GR8	3			
7A375-575	3/8-16 x 5.75" HXHD GR8 PLT	2			
7A375-126	3/8-16 x 1.25" HXHD GR8 PLT	6			
7A437-550	7/16-14 x 5-1/2" HXHD	1			
7K375-040	3/8"AN960 FLAT WASHER, PLATED	11			
4PFX130-026	OIL FEED LINE ASY, SBF CARB	1			
7P125-004	1/8"NPT x 90° x -4 JIC FTG	1			
7P250-034	1/4"NPT x 1/4"NPT STRT T	1			
7P250-250	1/4"NPT STR x -4 JIC FTG	1			
7U250-090-240	OIL-FEED HOSE, 24" x -4 x 90°	1			
7U100-055	TIE-WRAP, 6" NYLON	2			
4PFX130-036	OIL DRAIN ASY, SBF CARB	1			
7P375-017	3/8"NPT x 1/2" BEADED HOSE BARB	1			
7R001-008	#8 STNLS HOSE CLAMP	2			
7U030-036	1/2" OIL-DRAIN HOSE	1.5			
4PFX112-021	AIR DISCHARGE ASY, SBF Carb	1			
4PFX012-021	MACH, DISCH TUBE SBF CARB	1			
7P750-100	3/4"NPT x 1" HOSE FITTING	1			
7PS300-275	REDUCER, 3.00" - 2.75"	1			
7PS350-300	REDUCER, BLK 3.5" x 3" x 2"LG, MOD	1			
7R002-016	#16 GOLDSEAL, HOSE CLAMP	2			
7R002-044	#44 SAE TYPE "F" SS HOSE CLAMP	1			
7R002-048	#48 SAE TYPE "F" SS HOSE CLAMP	2			
7R002-056	#56 SAE TYPE "F" SS HOSE CLAMP	1			
7U030-046	5/32" VACUUM LINE	2			
7U034-016	1" GS HOSE	0.25			
8D001-001	STD COMP BYPASS VALVE	1			
8M003-041	MACHINE, 3.5" FLANGE	1			
8H040-075	1" AIR FILTER	1			
4PFX020-010	INSTALLATION INSTRUCTIONS SBF CARB	1			
008575	S/C STRT INFO PKG ASY PAXTON	1			
3863515	DECAL, PAXTON COLOR 9"X3"	1			
8R101-002	PULLEY RETAINER ASSY 8 RIB	1			

ADDITIONAL PARTS NEEDED FOR COMPLETE INSTALLATION

- HOLLEY 4150 OR DEMON STYLE MECHANICAL SECONDARY CARBURETOR**
- FUEL LINE ASSEMBLY**
HOLLEY: 8M110-100 (USES STANDARD INVERTED FLARE BOWL INLET FITTINGS)
DEMON: 8M110-120 (SUPPLIED WITH AN -6 BOWL INLET FITTINGS)
- THROTTLE ASSEMBLY**
1964-1968 MUSTANG: 8M110-600
1969 MUSTANG: 8M110-069
UNIVERSAL: 8M110-010 (REQUIRES CUSTOMER FABRICATED BRACKET)
- SUPERCHARGER PULLEY AND BELT**
3.70": 2A038-370 S/C PULLEY (USES 2A048-575 - 57.5" BELT)
3.33": 2A038-333 S/C PULLEY (USES 2A048-565 - 56.5" BELT)
- AIR FILTER (CUSTOM AIR INLET MAY BE NEEDED FOR NON-STANDARD APPLICATIONS)**
8H040-350: AIR FILTER 3.5" FLG x 5.1L (CAN BE ORDERED SEPARATELY)
8H040-035: AIR FILTER 3.5" FLG x 3.7"L OFFSET (CAN BE ORDERED SEPARATELY)
- HIGH-FLOW BOOST REFERENCED FUEL SYSTEM**
- UNIVERSAL BATTERY RELOCATION ASSEMBLY:** 8N150-010 (OPTIONAL, MAY BE REQUIRED FOR PASSENGER'S SIDE INSTALLATIONS)



Base Kit, Universal Small Block Ford, Driver Side Carbureted Part No. 1001842

PARTS LIST

IMPORTANT: Before beginning installation, verify that all parts are included in the kit. Report any shortages or damaged parts immediately.

PART NO.	DESCRIPTION	QTY.			
4PFX118-021	S/C DRIVE ASY 3 OR 4 BOLT	1	4PFX101-001	FUEL ASY, SBF CARB	1
4FA111-042	S/C BELT TENSIONER ASY, H.O.	1	7P125-016	1/8"NPT PLUG	1
4PFX017-933	SPACER, SBF C/P	1	7P250-043	1/4"NPT x 5/16" BARB	1
4PFX018-021	CRANK PULLEY, SBF CARB	1	7P250-047	1/4"NPT TO 3/8" BARB 90°	1
7A375-151	3/8-16 x 1.5" HXHD GR8	4	7P250-141	-6 HOSE END, 90°	1
7A375-250	3/8-16 x GR8 HX	3	7P500-083	AN -8 HOSE END, STRAIGHT	1
7K375-040	3/8"AN960 FLAT WASHER, PLATED	4	7P500-084	MALE TEE -8, -6, -6	1
8PM205-012	CARB.ENCL ASY, SBF CARB	1	7P500-085	FITTING, -8 BULKHEAD w/O-RING	1
8PM105-012	ENCL. STD. MACH. ASY	1	7P500-086	120° -8 TO 1/2" BARB	1
8PM003-051	CARB CVR, PAXTON	1	7P500-087	PLUG, AN -8 O-RING PORT	1
7P500-087	PLUG BTNHD, AN-8 WITH O-RING, BLK	3	7P500-089	FITTING, -8 BULKHEAD NUT, BLK	1
7A312-078	5/16-18 x 3/4" HOSE	16	7P500-377	AN-8 MALE SHORT -6 MALE STD	1
7P187-102	FITTING, -3 TO 1/4" HOSE	3	7R001-006	#6 STNLS HOSE CLAMP	4
7P187-103	PLUG, -3 BUTTONHEAD w/O-RING	1	7U030-046	5/32" VACUUM LINE	4.5
7P375-104	PLUG, OIL HOLE	3	7U032-016	3/8" EFI FUEL HOSE HI-PSR	2.5
7A312-252	5/16" STUD	4	7U100-008	O-RING, -8	3
7F312-024	6/16-24 JAM NUT	4	8H040-020	FUEL FILTER, INLINE 3/8"	1
7J312-000	5/16" FLAT WASHER-SAE	4	8F001-120	FUEL PUMP, SBF CARB 120GPH, 6-PSI	1
7U100-003	O-RING, -3	4			
7U100-008	O-RING, -8	3			
8M001-018	GASKET, 90mm THROTTLE BODY	1			
7C011-050	10-32 PLUG SCREW	1			
7U100-020	10-32 GASKET	1			
8M001-017	HOLLEY 4-BARREL BASE GASKET	2			
7P250-084	1/4"NPT x 1/2" x 90° BARB	1			
4PFX110-034	MTG PLATE ASY, PASSENGER'S SIDE	1			
4PFX010-034	PRIMARY MTG PLATE	1			
4PFX010-044	S/C MTG PLATE	1			
2A017-101-475	SPACER, SBF MTG PLATE	4			
7A375-650	3/8-16 x 6.5" HXHD GR8	2			
7A375-575	3/8-16 x 5.75" HXHD GR8 PLT	2			
7A375-126	3/8-16 x 1.25" HXHD GR8 PLT	6			
7A437-650	7/16-14 x 6.5" HXHD	1			
7K375-040	3/8"AN960 FLAT WASHER, PLATED	11			
4PFX130-026	OIL FEED LINE ASY, SBF CARB	1			
7P125-004	1/8"NPT x 90° x -4 JIC FTG	1			
7P250-034	1/4"NPT x 1/4"NPT STRT T	1			
7P250-250	1/4"NPT STR x -4 JIC FTG	1			
7U250-090-240	OIL FEED HOSE, 24" x -4 x 90°	1			
7U100-055	TIE-WRAP, 6" NYLON	2			
4PFX130-036	OIL DRAIN ASY, SBF CARB	1			
7P375-017	3/8"NPT x 1/2" BEADED HOSE BARB	1			
7R001-008	#8 STNLS HOSE CLAMP	2			
7U030-036	1/2" OIL DRAIN HOSE	1.5			
4PFX212-040	AIR DISCHARGE ASY, DRIVER SBF CARB	1			
4PFX112-040	DISCHARGE TUBE SBF CARB	1			
7PS275-200	SLEEVE, 2.75" x 2.0" BLACK	1			
7PS350-275	REDUCER, BLK 3.50" - 2.75"	1			
7R002-016	#16 GOLDSEAL, HOSE CLAMP	2			
7R002-044	#44 SAE TYPE "F" SS HOSE CLAMP	3			
7R002-056	#56 SAE TYPE "F" SS HOSE CLAMP	1			
7U030-046	5/32" VACUUM LINE	3'			
7U034-016	1" GS HOSE	0.25			
8D001-001	STD COMP BYPASS VALVE	1			
8M003-011	MACHINE, 3.5" FLANGE 90°	1			
8H040-075	1" AIR FILTER	1			
4PFX020-010	INSTALLATION INSTRUCTIONS SBF CARB	1			
008575	S/C STRT INFO PKG ASY PAXTON	1			
3863515	DECAL, PAXTON COLOR 9"X3"	1			
8R101-002	PULLEY RETAINER ASSY 8 RIB	1			

ADDITIONAL PARTS NEEDED FOR COMPLETE INSTALLATION

- HOLLEY 4150 OR DEMON STYLE MECHANICAL SECONDARY CARBURETOR**
- FUEL LINE ASSEMBLY**
HOLLEY: 8M110-100 (USES STANDARD INVERTED FLARE BOWL INLET FITTINGS)
DEMON: 8M110-120 (SUPPLIED WITH AN -6 BOWL INLET FITTINGS)
- THROTTLE ASSEMBLY**
1964-1968 MUSTANG: 8M110-600
1969 MUSTANG: 8M110-069
UNIVERSAL: 8M110-010 (REQUIRES CUSTOMER FABRICATED BRACKET)
- SUPERCHARGER PULLEY AND BELT**
3.70": 2A038-370 S/C PULLEY (USES 2A048-575 - 57.5" BELT)
3.33": 2A038-333 S/C PULLEY (USES 2A048-565 - 56.5" BELT)
- AIR FILTER (CUSTOM AIR INLET MAY BE NEEDED FOR NON-STANDARD APPLICATIONS)**
8H040-350: AIR FILTER 3.5" FLG x 5.1L (CAN BE ORDERED SEPARATELY)
8H040-035: AIR FILTER 3.5" FLG x 3.7"L OFFSET (CAN BE ORDERED SEPARATELY)
- HIGH-FLOW BOOST REFERENCED FUEL SYSTEM**
- UNIVERSAL BATTERY RELOCATION ASSEMBLY:** 8N150-010 (OPTIONAL, MAY BE REQUIRED FOR PASSENGER'S SIDE INSTALLATIONS)



1969 Mustang 351W Small Block Ford, Passenger's Side Carbureted

Part No. 1001843 (NOVI 1200) | Part No. 1001848 (NOVI 1500)

PARTS LIST

IMPORTANT: Before beginning installation, verify that all parts are included in the kit. Report any shortages or damaged parts immediately.

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
1016122	S/C ASY, NOVI 1200, CW, CRV 1969	1	4PFX130-036	OIL DRAIN ASY, SBF CARB	1
2A038-370	S/C PULLEY Ø3.70" 8-GROOVE	1	7P375-017	3/8"NPT x 1/2" BEADED HOSE BARB	1
2A048-575	BELT, 57.5"	1	7R001-008	#8 STNLS HOSE CLAMP	2
1016126	S/C ASY, NOVI 1500, CW, CRV 1969	1	7U030-036	1/2" OIL DRAIN HOSE	1.5'
2A038-370	S/C PULLEY Ø3.70" 8-GROOVE	1	4PFX112-031	AIR DISCHARGE ASY, SBF CARB	1
2A048-575	BELT, 57.5"	1	4PFX012-031	MACH, DISCH TUBE SBF CARB	1
4PFX117-069	S/C DRIVE ASY SBF, '69 351	1	7PS350-200	SLEEVE, BLACK 3.5"ID x 2.0" LG	1
4FA111-042	S/C BELT TENSIONER ASY, H.O.	1	7PS350-275	REDUCER, BLK 3.5" - 2.75"	1
4PFX017-069	SPACER, SBF C/P, '69 351	1	7R002-044	#44 SAE TYPE "F" SS HOSE CLAMP	1
4PFX018-021	CRANK PULLEY, SBF CARB	1	7R002-056	#56 SAE TYPE "F" SS HOSE CLAMP	3
7A375-250	3/8-16 x GR8 HX	3	7U030-046	5/32" VACUUM LINE	2
7K375-040	3/8"AN960 FLAT WASHER, PLATED	3	8H040-175	FILTER, 1-3/4"ID MFRB	1
8PM205-012	CARB.ENCL ASY, SBF CARB	1	8D204-010	RACE BYPASS VALVE - BLACK	1
8PM105-012	ENCL. MACH. ASY, SBF	1	4PFX101-001	FUEL ASY, SBF CARB	1
8PM003-051	CARB CVR, PAXTON	1	7P125-016	1/8"NPT PLUG	1
7P500-087	PLUG BTNHD, AN -8 w/O-RING, BLK	3	7P250-043	1/4"NPT x 5/16" BARB	1
7A312-078	5/16-18 x 3/4" HOSE	16	7P250-047	1/4"NPT x 3/8" BARB x 90°	1
7P187-102	FITTING, -3 TO 1/4" HOSE	3	7P250-141	-6 HOSE END, 90°	1
7P187-103	PLUG, -3 BUTTONHEAD w/O-RING	1	7P500-083	AN -8 HOSE END, STRAIGHT	1
7P375-104	PLUG, OIL HOLE	3	7P500-084	MALE TEE -8, -6, -6	1
7A312-252	5/16" STUD	4	7P500-085	FITTING, -8 BULKHEAD w/O-RING	1
7F312-024	6/16-24 JAM NUT	4	7P500-086	120° -8 TO 1/2" BARB	1
7J312-000	5/16" FLAT WASHER-SAE	4	7P500-087	PLUG, AN -8 O-RING PORT	1
7U100-003	O-RING, -3	4	7P500-089	FITTING, -8 BULKHEAD NUT, BLK	1
7U100-008	O-RING, -8	3	7P500-377	AN-8 MALE SHORT -6 MALE STD	1
8M001-018	GASKET, 90mm THROTTLE BODY	1	7R001-006	#6 STNLS HOSE CLAMP	4
7C011-050	10-32 PLUG SCREW	1	7U030-046	5/32" VACUUM LINE	4.5
7U100-020	10-32 GASKET	1	7U032-016	3/8" EFI FUEL HOSE HI-PSR	2.5
8M001-017	HOLLEY 4-BARREL BASE GASKET	2	7U100-008	O-RING, -8	3
7P250-084	1/4"NPT x 1/2" x 90° BARB	1	8H040-020	FUEL FILTER, INLINE 3/8"	1
8M110-069	ASY, THROTTLE '69 351 MUSTANG	1	8F001-120	FUEL PUMP, SBF CARB 120GPH, 6-PSI	1
2A017-031	SPACER, THROTTLE ENCL. .313"ID	1	4PFX020-010	INSTALLATION INSTRUCTIONS, SBF CARB	1
7C010-052	10-24 x 1/2" SS BHCS	6	8H040-035	AIR FILTER, 3.5"FLG x 3.7"L OFFSET (NOVI 1200)	1
7C010-077	10-24 x 3/4" SS BHCS	5	8H040-045	AIR FILTER 3.75"FLG x 5"L (NOVI 1500)	1
7C010-187	3/16" ROD END RH WITH NUT	1	008575	S/C STRT INFO PKG ASY PAXTON	1
7C010-188	3/16" ROD END LH WITH NUT	1	3863515	DECAL, PAXTON COLOR 9"X3"	1
7C011-075	10-32 SCREW	1	8M110-100	HOLLEY 4150 FLOAT BOWL LINE ASY	1
7F010-001	NUT, THROTTLE	1	8M110-120	DEMON FLOAT BOWL LINE ASY w/FTGS	1
7F010-033	10-32 NUT	1			
7J010-001	#10 FLAT WASHER	8			
7J010-687	WASHER, THROTTLE	1			
8M010-010	BRACKET, IDLE	1			
8M010-040	THROTTLE ARM INNER	2			
8M010-050	THROTTLE SHAFT	1			
8M010-070	RETAINER, SPRING ENCL.	1			
8M010-080	RETAINER, SPRING THROTTLE	1			
8M010-090	SPRING, THROTTLE ENCL.	1			
8M010-140	SHAFT, 5/16" HEX	1			
7C010-251	.25" BALL, THROTTLE, 10-24 MT THRD	1			
7F010-024	10-24 NYLOCK NUT	2			
8M010-025	MORSE CABLE BRKT	1			
8M010-180	BRKT, '69 MUSTANG THROTTLE	1			
4PFX110-060	MTG PLATE ASY, PASS'S, SIDE '69 351	1			
4PFX010-050	PRIMARY MTG PLATE	1			
4PFX010-060	S/C MTG PLATE	1			
2A017-101-400	SPACER, SBF MTG PLATE	2			
2A017-104-400	SPACER, 351 SBF MTG PLT	2			
2A017-101-121	SPACER, FORD ALTERNATOR	1			
7A375-500	3/8-16 x 5" HXHD GR8	3			
7A375-575	3/8-16 x 5.75" HXHD GR8 PLT	2			
7A375-126	3/8-16 x 1.25" HXHD GR8 PLT	6			
7A437-550	7/16-14 x 5-1/2" HXHD	1			
7K375-040	3/8"AN960 FLAT WASHER, PLATED	11			
4PFX130-351	OIL FEED LINE ASY, SBF CARB	1			
7P125-004	1/8"NPT x 90° x -4 JIC FTG	1			
7P250-034	1/4"NPT x 1/4"NPT STRT T	1			
7P250-250	1/4"NPT STR x -4 JIC FTG	1			
7U250-090-320	OIL FEED HOSE, 32" -4 x 90°	1			
7U100-055	TIE-WRAP, 6" NYLON	2			

ADDITIONAL PARTS NEEDED FOR COMPLETE INSTALLATION
1) HOLLEY 4150 OR DEMON STYLE MECHANICAL SECONDARY CARBURETOR



1969 Mustang 351W Small Block Ford, Driver's Side Carbureted

Part No. 1001844 (NOVI1200) | Part No. 1001849 (NOVI 1500)

PARTS LIST

IMPORTANT: Before beginning installation, verify that all parts are included in the kit. Report any shortages or damaged parts immediately.

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
1016123	S/C ASY, NOVI 1200, CW, CRV 1969	1	4PFX130-036	OIL DRAIN ASY, SBF CARB	1
2A038-370	S/C PULLEY Ø3.70" 8-GROOVE	1	7P375-017	3/8"NPT x 1/2" BEADED HOSE BARB	1
2A048-575	BELT, 57.5"	1	7R001-008	#8 STNLS HOSE CLAMP	2
1016129	S/C ASY, NOVI 1500, CW, CRV 1969	1	7U030-036	1/2" OIL DRAIN HOSE	1.5
2A038-370	S/C PULLEY Ø3.70" 8-GROOVE	1	4PFX112-031	AIR DISCHARGE ASY, SBF CARB	1
2A048-575	BELT, 57.5"	1	4PFX012-031	MACH, DISCH TUBE SBF CARB	1
4PFX117-069	S/C DRIVE ASY SBF, '69 351	1	7PS350-200	SLEEVE, BLACK 3.5"ID x 2.0"LG	1
4FA111-042	S/C BELT TENSIONER ASY, H.O.	1	7PS350-275	REDUCER, BLK 3.5" TO 2.75"	1
4PFX017-069	SPACER, SBF C/P, '69 351	1	7R002-044	#44 SAE TYPE "F" SS HOSE CLAMP	1
4PFX018-021	CRANK PULLEY, SBF CARB	1	7R002-056	#56 SAE TYPE "F" SS HOSE CLAMP	3
7A375-250	3/8-16 x GR8 HX	3	7U030-046	5/32" VACUUM LINE	2
7K375-040	3/8"AN960 FLAT WASHER, PLATED	3	8H040-175	FILTER, 1-3/4"ID MFRB	1
8PM205-012	CARB.ENCL ASY, SBF CARB	1	8D204-010	RACE BYPASS VALVE - BLACK	1
8PM105-012	ENCL. MACH. ASY, SBF	1	4PFX101-001	FUEL ASY, SBF CARB	1
8PM003-051	CARB CVR, PAXTON	1	7P125-016	1/8"NPT PLUG	1
7P500-087	PLUG BTNHD, AN -8 WITH O-RING, BLK	3	7P250-043	1/4"NPT x 5/16" BARB	1
7A312-078	5/16-18 x 3/4" HOSE	16	7P250-047	1/4"NPT TO 3/8" BARB 90°	1
7P187-102	FITTING, -3 TO 1/4" HOSE	3	7P250-141	-6 HOSE END, 90°	1
7P187-103	PLUG, -3 BUTTONHEAD WITH O-RING	1	7P500-083	AN -8 HOSE END, STRAIGHT	1
7P375-104	PLUG, OIL HOLE	3	7P500-084	MALE TEE -8, -6, -6	1
7A312-252	5/16" STUD	4	7P500-085	FITTING, -8 BULKHEAD WITH O-RING	1
7F312-024	6/16-24 JAM NUT	4	7P500-086	120° -8 TO 1/2" BARB	1
7J312-000	5/16" FLAT WASHER-SAE	4	7P500-087	PLUG, AN -8 O-RING PORT	1
7U100-003	O-RING, -3	4	7P500-089	FITTING, -8 BULKHEAD NUT, BLK	1
7U100-008	O-RING, -8	3	7P500-377	AN-8 MALE SHORT -6 MALE STD	1
8M001-018	GASKET, 90mm THROTTLE BODY	1	7R001-006	#6 STNLS HOSE CLAMP	4
7C011-050	10-32 PLUG SCREW	1	7U030-046	5/32" VACUUM LINE	4.5
7U100-020	10-32 GASKET	1	7U032-016	3/8" EFI FUEL HOSE HI-PSR	2.5
8M001-017	HOLLEY 4-BARREL BASE GASKET	2	7U100-008	O-RING, -8	3
7P250-084	1/4"NPT x 1/2" x 90° BARB	1	8H040-020	FUEL FILTER, INLINE 3/8"	1
8M110-069	ASY, THROTTLE '69 351 MUSTANG	1	8F001-120	FUEL PUMP, SBF CARB 120GPH, 6-PSI	1
2A017-031	SPACER, THROTTLE ENCL. .313"ID	1	4PFX020-010	INSTALLATION INSTRUCTIONS, SBF CARB	1
7C010-052	10-24 x 1/2" SS BHCS	6	8H040-035	AIR FILTER, 3.5"FLG x 3.7"L OFFSET (NOVI 1200)	1
7C010-077	10-24 x 3/4" SS BHCS	5	8H090-045	AIR FILTER, 3.75"FLG x 5"L (NOVI 1500)	1
7C010-187	3/16" ROD END RH WITH NUT	1	008575	S/C STRT INFO PKG ASY PAXTON	1
7C010-188	3/16" ROD END LH WITH NUT	1	3863515	DECAL, PAXTON COLOR 9"X3"	1
7C011-075	10-32 SCREW	1	8M110-100	HOLLEY 4150 FLOAT BOWL LINE ASY	1
7F010-001	NUT, THROTTLE	1	8M110-120	DEMON FLOAT BOWL LINE ASY w/FTGS	1
7F010-033	10-32 NUT	1			
7J010-001	#10 FLAT WASHER	8			
7J010-687	WASHER, THROTTLE	1			
8M010-010	BRACKET, IDLE	1			
8M010-040	THROTTLE ARM INNER	2			
8M010-050	THROTTLE SHAFT	1			
8M010-070	RETAINER, SPRING ENCL.	1			
8M010-080	RETAINER, SPRING THROTTLE	1			
8M010-090	SPRING, THROTTLE ENCL.	1			
8M010-140	SHAFT, 5/16" HEX	1			
7C010-251	.25" BALL, THROTTLE, 10-24 MT THRD	1			
7F010-024	10-24 NYLOCK NUT	2			
8M010-025	MORSE CABLE BRKT	1			
8M010-180	BRKT, '69 MUSTANG THROTTLE	1			
4PFX110-050	MTG PLATE ASY, DRIVER'S SIDE '69 351	1			
4PFX010-050	PRIMARY MTG PLATE	1			
4PFX010-060	S/C MTG PLATE	1			
2A017-101-475	SPACER, SBF MTG PLATE DS	4			
2A017-101-121	SPACER, FORD ALTERNATOR	1			
7A375-650	3/8-16 x 6.5" HXHD GR8	2			
7A375-575	3/8-16 x 5.75" HXHD GR8 PLT	2			
7A375-126	3/8-16 x 1.25" HXHD GR8 PLT	6			
7A437-650	7/16-14 x 6.5" HXHD	1			
7K375-040	3/8"AN960 FLAT WASHER, PLATED	10			
4PFX130-026	OIL FEED LINE ASY, SBF CARB	1			
7P125-004	1/8"NPT 90° x -4 JIC FTG	1			
7P250-034	1/4"NPT x 1/4"NPT STRT T	1			
7P250-250	1/4"NPT STR x -4 JIC FTG	1			
7U250-090-240	OIL FEED HOSE, 24" x -4 x 90°	1			
7U100-055	TIE-WRAP, 6" NYLON	2			

ADDITIONAL PARTS NEEDED FOR COMPLETE INSTALLATION
1) HOLLEY 4150 OR DEMON STYLE MECHANICAL SECONDARY CARBURETOR



PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
1016150	S/C ASY, NOVI 1200, CW, CRV	1	7R002-048	#48 SAE TYPE "F" SS HOSE CLAMP	2
2A038-370	S/C PULLEY Ø3.70" 8-GROOVE	1	7R002-056	#56 SAE TYPE "F" SS HOSE CLAMP	1
2A048-575	BELT, 57.5"	1	7U030-046	5/32" VACUUM LINE	2
4PFX118-021	S/C DRIVE ASY 3 OR 4 BOLT	1	7U034-016	1" GS HOSE	0.25
4FA111-042	S/C BELT TENSIONER ASY, H.O.	1	8D001-001	STD COMP BYPASS VALVE	1
4PFX017-933	SPACER, SBF C/P	1	8M003-041	MACHINE, 3.5" FLANGE	1
4PFX018-021	CRANK PULLEY, SBF CARB	1	8H040-075	1" AIR FILTER	1
7A375-151	3/8-16 x 1.5" HXHD GR8	4	4PFX101-001	FUEL ASY, SBF CARB	1
7A375-250	3/8-16 x GR8 HX	3	7P125-016	1/8"NPT PLUG	1
7K375-040	3/8"AN960 FLAT WASHER, PLATED	4	7P250-043	1/4"NPT x 5/16" BARB	1
8PM205-012	CARB.ENCL ASY, SBF CARB	1	7P250-047	1/4"NPT TO 3/8" BARB 90°	1
8PM105-012	ENCL. STD. MACH. ASY	1	7P250-141	-6 HOSE END, 90°	1
8PM003-051	CARB CVR, PAXTON	1	7P500-083	AN -8 HOSE END, STRAIGHT	1
7P500-087	PLUG BTNHD, AN-8 WITH O-RING, BLK	3	7P500-084	MALE TEE -8, -6, -6	1
7A312-078	5/16-18 x 3/4" HOSE	16	7P500-085	FITTING, -8 BULKHEAD WITH O-RING	1
7P187-102	FITTING, -3 TO 1/4" HOSE	3	7P500-086	120° -8 TO 1/2" BARB	1
7P187-103	PLUG, -3 BUTTONHEAD WITH O-RING	1	7P500-087	PLUG, AN -8 O-RING PORT	1
7P375-104	PLUG, OIL HOLE	3	7P500-089	FITTING, -8 BULKHEAD NUT, BLK	1
7A312-252	5/16" STUD	4	7P500-377	AN-8 MALE SHORT, -6 MALE STD	1
7F312-024	6/16-24 JAM NUT	4	7R001-006	#6 STNLS HOSE CLAMP	4
7J312-000	5/16" FLAT WASHER-SAE	4	7U030-046	5/32" VACUUM LINE	4.5
7U100-003	O-RING, -3	4	7U032-016	3/8" EFI FUEL HOSE, HI-PSR	2.5
7U100-008	O-RING, -8	3	7U100-008	O-RING, -8	3
8M001-018	GASKET, 90mm THROTTLE BODY	1	8H040-020	FUEL FILTER, INLINE 3/8"	1
7C011-050	10-32 PLUG SCREW	1	8F001-120	FUEL PUMP, SBF CARB 120GPH, 6-PSI	1
7U100-020	10-32 GASKET	1	4PFX020-010	INSTALLATION INSTRUCTIONS, SBF CARB	1
8M001-017	HOLLEY 4-BARREL BASE GASKET	2	8H040-350	AIR FILTER, 3.5"FLG x 5.1"L OFFSET (NOVI 1200)	1
7P250-084	1/4"NPT x 1/2" x 90° BARB	1	008569	1 YR S/C STRT INFO PKG ASSY PA	1
8M110-600	ASY, THROTTLE '64-'68 MUSTANG	1	009030	S/C LUBE, BOTTLED, PAXT 3-PACK	1
2A017-031	SPACER, THROTTLE ENCL. .313"ID	1	3863515	DECAL, PAXTON COLOR 9"x3"	1
4PFX017-200	SPACER, '64-'68 MUSTANG THROTTLE ARM, 2"	1	8M110-100	HOLLEY 4150 FLOAT BOWL LINE ASY	1
7A375-075	3/8-16 x 3/4" GR5 HXHD ZINC	1	8M110-120	DEMO FLOAT BOWL LINE ASY w/FTGS	1
7C010-052	10-24 x 1/2" SS BHCS	4			
7C010-077	10-24 x 3/4" SS BHCS	5			
7C010-187	3/16" ROD END, RH WITH NUT	2			
7C010-188	3/16" ROD END, LH WITH NUT	2			
7C011-075	10-32 SCREW	1			
7F010-001	NUT, THROTTLE	1			
7F010-033	10-32 NUT	1			
7J010-001	#10 FLAT WASHER	8			
7J010-687	WASHER, THROTTLE	1			
7J375-044	3/8"SAE WASHER, PLTD	2			
8M010-010	BRACKET, IDLE	1			
8M010-040	THROTTLE ARM INNER	2			
8M010-050	THROTTLE SHAFT	1			
8M010-070	RETAINER, SPRING ENCL.	1			
8M010-080	RETAINER, SPRING THROTTLE	1			
8M010-090	SPRING, THROTTLE ENCL.	1			
8M010-140	SHAFT, 5/16" HEX	1			
8M010-600	SHAFT, THROTTLE '64-'66 MUSTANG	1			
4PFX110-044	MTG PLATE ASY, PASSENGER'S SIDE	1			
4PFX010-050	PRIMARY MTG PLATE	1			
4PFX010-070	S/C MTG PLATE	1			
2A017-101-400	SPACER, SBF MTG PLATE	4			
2A017-101-121	SPACER, FORD ALTERNATOR	1			
7A375-500	3/8-16 x 5" HXHD GR8	3			
7A375-575	3/8-16 x 5.75" HXHD GR8 PLT	2			
7A375-126	3/8-16 x 1.25" HXHD GR8 PLT	6			
7A437-550	7/16-14 x 5-1/2" HXHD	1			
7K375-040	3/8"AN960 FLAT WASHER, PLATED	11			
4PFX112-021	AIR DISCHARGE ASY, SBF CARB	1			
4PFX012-021	MACH, DISCH TUBE SBF CARB	1			
7P750-100	3/4"N				

- 1) HOLLEY 4150 OR DEMON STYLE MECHANICAL SECONDARY CARBURETOR
- 2) FOR VEHICLES EQUIPPED WITH AIR CONDITIONING, ORDER 4PEX110-080

4PFX110-080	SBF AC TENSIONER ASY	1
4PFX010-080	PLATE, SBF, A/C TENSIONER	1
4PFX010-090	MOUNT, SBF A/C TENSIONER PLATE	2
4PFX016-011	PULLEY, SBF WP, AC DRIVE	1
2A041-365	V-BELT, 7365 GATES	1
2A017-876-07	SPACER, .875"OD x 1.490" LONG	1
2A017-876-12	SPACER, .875"OD x .475" LONG	1
7A375-150	3/8-16 x 1.5" HXHD GR5 PLTD	4
7A375-175	3/8-16 x 1-3/4" HXHD GR5 PLT	2
7A312-351	5/16-18 x 3-1/2" HXHD	2
7K312-001	5/16" AN WASHER, PLATED	2
7K375-040	3/8"AN960 FLAT WASHER, PLATED	6
2A017-052	SPACER 1.41"L, 1"OD AL.	1
4FG017-021	SPACER, .304"L x 1"OD AL	1
2A017-462	SPACER, IDLER SMOOTH 6-RIB	1
7A375-375	3/8-16 x 3-3/4" HXHD	1
7J375-044	3/8" SAE WASHER, PLTD	2
4FR016-150	STEEL IDLER PLY, 3" SMOOTH	1
4FA016-171	DUST COVER (IDLER PULLEY)	1
7A437-250	7/16-14 x 2.5" HXHD ZINC	3
7J438-081	7/16" SAE WASHER PLATED	3
2A017-101-135	SPACER, 1.35"L, SBF w/AC	3



1964-1968 Mustang Small Block Ford, Driver's Side Carbureted

Part No. 1001840SL

PARTS LIST

IMPORTANT: Before beginning installation, verify that all parts are included in the kit. Report any shortages or damaged parts immediately.

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
1016152	S/C ASY, NOVI 1200, CW, STR	1	4PFX212-040	AIR DISCHARGE ASY, DRIVER'S SIDE	1
2A038-370	S/C PULLEY Ø3.70" 8-GROOVE	1	4PFX112-040	DISCH TUBE DRIVER'S SIDE	1
2A048-575	BELT, 57.5"	1	7PS275-200	SLEEVE, 2.75" x 2.0" BLACK	1
4PFX118-021	S/C DRIVE ASY, 3 OR 4 BOLT	1	7PS350-275	REDUCER, BLK 3.5" - 2.75"	1
4FA111-042	S/C BELT TENSIONER ASY, H.O.	1	7R002-016	#16 GOLDSEAL HOSE CLAMP	2
4PFX017-933	SPACER, SBF C/P	1	7R002-044	#44 SAE TYPE "F" SS HOSE CLAMP	3
4PFX018-021	CRANK PULLEY, SBF CARB	1	7R002-056	#56 SAE TYPE "F" SS HOSE CLAMP	1
7A375-151	3/8-16 x 1.5" HXHD GR8	4	7U030-046	5/32" VACUUM LINE	3'
7A375-250	3/8-16 x GR8 HX	3	7U034-016	1" GS HOSE	0.25
7K375-040	3/8"AN960 FLAT WASHER, PLATED	4	8D001-001	STD COMP BYPASS VALVE	1
8PM205-012	CARB.ENCL ASY, SBF CARB	1	8M003-011	MACHINE, 3.5" FLANGE 90°	1
8PM105-012	ENCL. STD. MACH. ASY	1	8H040-075	1" AIR FILTER	1
8PM003-051	CARB CVR, PAXTON	1	4PFX101-001	FUEL ASY, SBF CARB	1
7P500-087	PLUG BTNHD, AN -8 w/O-RING, BLK	3	7P125-016	1/8"NPT PLUG	1
7A312-078	5/16-18 x 3/4" HOSE	16	7P250-043	1/4"NPT x 5/16" BARB	1
7P187-102	FITTING, -3 TO 1/4" HOSE	3	7P250-047	1/4"NPT-3/8" BARB 90°	1
7P187-103	PLUG, -3 BUTTONHEAD WITH O-RING	1	7P250-141	-6 HOSE END, 90°	1
7P375-104	PLUG, OIL HOLE	3	7P500-083	AN -8 HOSE END, STRAIGHT	1
7A312-252	5/16" STUD	4	7P500-084	MALE TEE -8, -6, -6	1
7F312-024	6/16-24 JAM NUT	4	7P500-085	FITTING, -8 BULKHEAD WITH O-RING	1
7J312-000	5/16" FLAT WASHER-SAE	4	7P500-086	120° -8 TO 1/2" BARB	1
7U100-003	O-RING, -3	4	7P500-087	PLUG, AN -8 O-RING PORT	1
7U100-008	O-RING, -8	3	7P500-089	FITTING, -8 BULKHEAD NUT, BLK	1
8M001-018	GASKET, 90mm THROTTLE BODY	1	7P500-377	AN-8 MALE SHORT -6 MALE STD	1
7C011-050	10-32 PLUG SCREW	1	7R001-006	#6 STNLS HOSE CLAMP	4
7U100-020	10-32 GASKET	1	7U030-046	5/32" VACUUM LINE	4.5
8M001-017	HOLLEY 4-BARREL BASE GASKET	2	7U032-016	3/8" EFI FUEL HOSE HI-PSR	2.5
7P250-084	1/4"NPT x 1/2" x 90° BARB	1	7U100-008	O-RING, -8	3
8M110-600	ASY, THROTTLE '64-'68 MUSTANG	1	8H040-020	FUEL FILTER, INLINE 3/8"	1
2A017-031	SPACER, THROTTLE ENCL. .313"ID	1	8F001-120	FUEL PUMP, SBF CARB 120GPH, 6-PSI	1
4PFX017-200	SPACER, '64-'68 MUS. THROTTLE ARM, 2"	1	4PFX020-010	INSTALLATION INSTRUCTIONS, SBF CARB	1
7A375-075	3/8-16 x 3/4" GR5 HXHD ZINC	1	8H040-350	AIR FILTER, 3.5"FLG x 5.1"L OFFSET (NOVI 1200)	1
7C010-052	10-24 x 1/2" SS BHCS	4	008569	1 YR S/C STRT INFO PKG ASSY PA	1
7C010-077	10-24 x 3/4" SS BHCS	5	009030	S/C LUBE, BOTTLED, PAXT 3-PACK	1
7C010-187	3/16" ROD END RH WITH NUT	2	3863515	DECAL, PAXTON COLOR 9"X3"	1
7C010-188	3/16" ROD END LH WITH NUT	2	8M110-100	HOLLEY 4150 FLOAT BOWL LINE ASY	1
7C011-075	10-32 SCREW	1	8M110-120	DEMON FLOAT BOWL LINE ASY w/FTGS	1
7F010-001	NUT, THROTTLE	1	009030	3-PACK, S/C LUBE	1
7F010-033	10-32 NUT	1			
7J010-001	#10 FLAT WASHER	8			
7J010-687	WASHER, THROTTLE	1			
7J375-044	3/8"SAE WASHER, PLTD	2			
8M010-010	BRACKET, IDLE	1			
8M010-040	THROTTLE ARM, INNER	2			
8M010-050	THROTTLE SHAFT	1			
8M010-070	RETAINER, SPRING ENCL.	1			
8M010-080	RETAINER, SPRING THROTTLE	1			
8M010-090	SPRING, THROTTLE ENCL.	1			
8M010-140	SHAFT, 5/16" HEX	1			
8M010-600	SHAFT, THROTTLE '64-'66 MUSTANG	1			
4PFX110-034	MTG PLATE ASY, DRIVER SIDE	1			
4PFX010-034	PRIMARY MTG PLATE	1			
4PFX010-044	S/C MTG PLATE	1			
2A017-101-475	SPACER, SBF MTG PLATE	4			
7A375-650	3/8-16 x 6.5" HXHD GR8	2			
7A375-575	3/8-16 x 5.75" HXHD GR8 PLT	2			
7A375-126	3/8-16 x 1.25" HXHD GR8 PLT	6			
7A437-650	7/16-14 x 6.5" HXHD	1			
7K375-040	3/8"AN960 FLAT WASHER, PLATED	11			



1964-1968 Small Block Ford, Driver's Side Carbureted Part No. 1001864SL **PARTS LIST**

IMPORTANT: Before beginning installation, verify that all parts are included in the kit. Report any shortages or damaged parts immediately.

PART NO.	DESCRIPTION	QTY.
008569	1 YR S/C STRT INFO PKG ASSY PA	1
009030	S/C LUBE, BOTTLED, PAXT 3-PACK	1
1016178	S/C ASY, NOVI 1200SL 64-68 SBF	1
2A038-370	S/C PULLEY Ø3.70" 8-GROOVE	1
2A048-575	BELT, 57.5"	1
3863515	DECAL, PAXTON COLOR 9"X3"	1
4PFX020-010	INSTR MANUAL SBF UNIV. KIT	1
4PFX110-044	MTG PLATE ASSY, PSGR SBF CARB	1
2A017-101-121	SPACER, FORD ALT, SBF CARB	1
2A017-101-400	SPACER, SBF MTG PLATE .45ID	4
4PFX010-050	PLATE, HEAD, 69 351 MUSTANG	1
4PFX010-070	PLATE, SC MTG, SBF 64-69 MUSTA	1
7A375-126	3/8-16 X 1.25 HHCS, GR8, PLT	6
7A375-500	3/8-16 X 5" HX HD GRADE 8	3
7A375-575	3/8-16 X 5.75 HXHD GR8 PLT	2
7A437-550	7/16"-14 X 5 1/2" HXHD	1
7K375-040	3/8 AN960 FLAT WASHR PLATED	11
4PFX112-060	DISCH ASSY, ENTRY LVL SBF	1
4PFX012-060	DISCH TUBE, ENTRY LVL SBF	1
7PS300-275	REDUCER, BLK Ø3.0-Ø2.75	1
7PS300-300	SLEEVE, BLACK, 3.00D X 3.00	1
7R002-044	#44 SAE TYPE F SS HOSE CLAMP	1
7R002-048	#48 SAE TYPE F SS HOSE CLAMP	3
4PFX118-021	SC DRIVE ASSY, SBF, 3-4 BOLT	1
4FA111-042	S/C BELT TENSNR ASSY, 8-RIB	1
4PFX017-933	SPACER, SBF C/P, 3 BOLT	1
4PFX018-021	CRANK PULLEY, SBF CARB, 3-4 BOLT	1
7A375-151	3/8-16 X 1.5 HXHD GR8	4
7A375-250	3/8-16 X 2.5" GR8 HX	3
7K375-040	3/8 AN960 FLAT WASHR PLATED	4
8H040-350	AIR FILTER, 3.5" FLANGE, OFFSET	1
8PM106-011	ASSY, CARB HAT, SINGLE INLET	1
008357	DECAL, PAXTON CARB HAT	1
2H100-040	RETAINER, VOLUTE NOVI 1000	10
7A250-051	1/4-20 X .50 HHCS GR5 ZINC PLT	10
7A312-276	5/16-18 X 2.75 SHCS GR8 ZINC	1
7J312-010	5/16" GASKET SEALING WASHER	1
8M001-025	GASKET, CARB BONNET BASE	1
8M006-011	HSG, MACH, SINGLE, CARB HAT	1
8M006-031	BASE, MACH, CARB HAT	1
8M011-020	DIFFUSER, CARB HAT, 8.25 OD X	1

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Section 1

INTRODUCTION

Congratulations! You have purchased the finest street Supercharger available. The centerpiece of this kit is the highly efficient and reliable Paxton Automotive Corp. NOVI-1200 supercharger. A mechanically driven (by belt) centrifugal blower (*supercharger*).

This kit comes with all of the parts you'll need for a successful installation. The operations required have been grouped in order of sequence. Photos and drawings accompany the text, allowing quick orientation and parts identification.

Installation requires a selection of tools which are listed in a table at the end of this section.

We also suggest that you obtain a shop manual and become familiar with the details of your cars systems. For best results follow the instructions closely and in sequence. The average installation time for this kit is six hours. Your actual installation time will depend on skill level and working conditions. The estimate does not include time for initial vehicle inspection, cleaning, fine tuning or troubleshooting. Before even picking up a wrench, read this entire manual. We are available for technical assistance at (805) 487-3796, 7am-3:30pm pacific time.

After reading the manual, verify that all major assembly groups are present in the main kit box. You should have ample space to layout the components. As you remove a box or bag from the main kit, note the identification label and compare it with the parts list. Please check the box for small parts.

Paxton makes every effort to insure that all parts are included in the box. However, if you discover any missing or mislabeled parts, please contact Paxton by phone for service.

***** WARNING *****

DO NOT attempt installation if any part(s) are missing from this kit. Failure to contact Paxton prior to beginning installation will result in a charge for any missing parts.

Before starting the installation, we suggest your engine compartment be clean. You can clean the engine and compartment with a pressure washer (*such as those*

used at self serve car washes) and a safe-for-aluminum cleaner/degreaser. Cover the distributor with a plastic bag to prevent water from entering.

***** CAUTION *****

We do not recommend proceeding with the kit installation unless your vehicle is within normal operating parameters.

You are undoubtedly enthusiastic about getting started on your project, but take just a little more time to insure that your safety is not jeopardized. A moment's lack of attention can result in an accident, as can failure to observe certain simple safety precautions. The possibility of an accident will always exist, and the following points should not be considered a comprehensive list of all dangers. Rather, they are intended to make you aware of the risk and to encourage a safety conscious approach to all work you do on your vehicle.

We look forward to hearing from you, particularly if you have any comments or suggestions regarding this manual at:

(805) 487-3796

Paxton Automotive Corporation

1300 Beacon Place

Oxnard, CA 93033

E-mail Address info@paxtonauto.com.

***** NOTE *****

Throughout these procedures the word "discard" is used periodically in relationship to items that will no longer be utilized in conjunction with the supercharger installation. It is recommended that these items be saved for future use should it become necessary.

- Never rely solely on a jack when working under a vehicle. Always use an approved set of jackstands to support the vehicle and place them under the recommended lift points.
- When jacking a vehicle, make sure it is on a level surface, preferably concrete or asphalt. The transmission should be in “PARK” or “FIRST”, the parking brake engaged and the wheels blocked.
- Never start the car without first verifying that the transmission is in neutral and the parking brake is set.
- Never remove the radiator cap while the engine is hot.
- Always wear eye protection when using power tools such as drills, saws, grinders, etc., or when working under a vehicle.
- Never smoke, use an open flame, or have spark-producing items around gasoline or flammable solvents. Always have a fire extinguisher rated for chemical and electrical fires handy when working on motor vehicles.
- Run engines only in well ventilated areas. Carbon monoxide, gasoline, and solvent vapors are colorless and sometimes odorless. These can asphyxiate or explode without warning.
- Always disconnect at least the negative (-) or ground terminal of the battery when doing any electrical, fuel system, or underdash work.

Paxton Automotive makes every effort to insure that all parts are included in the box, but mistakes do occur. If you discover that you are missing any part, or that a part is damaged in transit, please call Paxton Automotive for service. DO NOT attempt installation if any part(s) are missing from this kit. Failure to contact Paxton prior to beginning installation will result in a charge for any missing parts.

We look forward to hearing from you, particularly if you have any comments or suggestions regarding this manual.

Section 2

PREPARATION/REMOVAL

2.1 PREPARATION/REMOVAL

- A. Disconnect the negative lead from the battery.
- B. Loosen all nuts and bolts that are used to tension the alternator and power steering pump V-belts.
- C. Remove all of the belts from the accessories.
- D. Remove the stock crank pulley and accessories from the side of the engine that the supercharger will be installed on.

***** NOTE *****

If you have not changed spark plugs in the last 15,000 miles do so prior to the installation of this kit.

- E. If the ignition coil is mounted on top of the intake manifold, it will need to be relocated to the front of the engine for carburetor enclosure clearance.

***** NOTE *****

If you are installing a universal supercharger kit, some of the following instructions may not apply or may require custom fabrication.

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Section 3

OIL FEED INSTALLATION

(Engine Oil-Fed Applications Only. Novi SL applications

Skip This Step and proceed to Section 5)

3.1 OIL FEED INSTALLATION

- A. The supercharger uses engine oil for lubrication and must have an oil feed line connected to a filtered oil access on the engine.
- B. Remove the 1/4"NPT oil pressure sending unit from the fitting installed in the engine block (*just above the factory fuel pump*). Install the supplied 1/4"NPT street TEE in the factory fitting. Install the oil pressure sender in one of the openings and the supplied 1/4"NPT x -4 fitting in the other. (See Fig. 3-a.)

*** NOTE ***

Use clean engine oil on the pipe threads. Teflon tape and sealant is NOT recommended as it might loosen and cause blockage of the small oil feed orifice resulting in supercharger failure.

- C. Attach the 90° end of the supplied -4 braided oil feed line to the installed fitting. (See Fig. 3-a.) Secure the hose with the tie-wraps provided, routing it away from exhaust heat, chafing and/or sharp objects. Temporarily cover the open end from debris until the connection is made to the supercharger.



Fig. 3-a

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Section 4

OIL DRAIN INSTALLATION

(Engine Oil-Fed Applications Only. Novi SL applications
Skip This Step and proceed to Section 5)

4.1 OIL DRAIN INSTALLATION

- A. To provide an oil drain for the supercharger, it is necessary to make a hole in the oil pan. Locate and mark the hole location. (See Figs. 4-a or 4-b, depending on which side of the engine the supercharger is mounted on). It is best to punch the hole rather than drill.

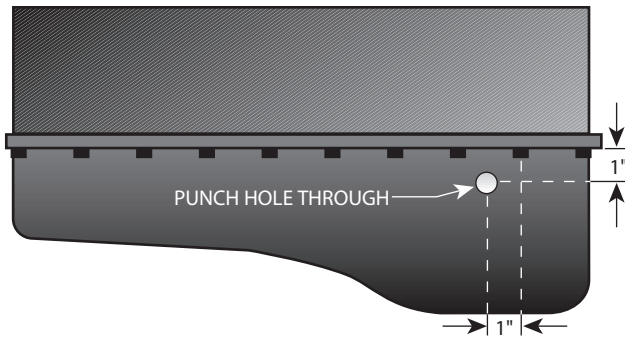


Fig. 4-a
Passenger side oil drain

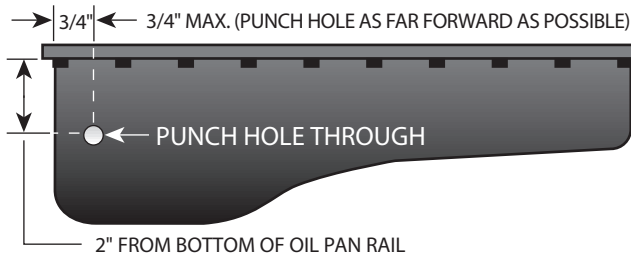


Fig. 4-b
Driver side oil drain

*** NOTE ***

Removal of the oil pan may ease oil drain fitting installation on some applications.

- B. Remove any paint from around the hole area.
- C. Use a small center punch to perforate the pan and expand the hole, switch to a larger diameter punch and expand the hole further to approximately $\varnothing 9/16$ ". Most punches are made from hexagon material and may be

placed in a socket with an extension to make this procedure easier. Use caution so that the hole is not enlarged too much and that the punch does NOT contact the engine internals.

- D. Tap the hole with a 3/8"NPT tap approximately 1/4" deep. Pack the flutes of the tap with heavy grease to hold the chips. Use a small magnet to check for any stray chips.

*** NOTE ***

This method of rolling over the lip of the hole and tapping works very well if carefully done and should cause no problems.

- E. Thoroughly clean the threaded area. Apply a small amount of silicone sealer to the new threads. Apply more sealer to the supplied 3/8"NPT x 1/2" barb, and secure in the previously threaded hole. Make sure a seal is formed all around the fitting.
- F. Drain the engine oil, install a new filter and refill with fresh oil.

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Section 5

FUEL PUMP BOOST REFERENCE

5.1 FUEL PUMP BOOST REFERENCE

Some kits come with a boost referenced fuel pump. For these kits, simply install the fuel pump and complete steps “E” to “G”.

***** NOTE *****

A stock fuel pump may be satisfactory for mild engines. The following steps will allow the mechanical pump to increase fuel pressure in proportion to boost pressure. (I.E.: stock fuel pressure = 5 psi @ 0 psi boost / supercharged fuel pressure = 12 psi @ 7 psi boost.) If fuel pressure is not maintained at least 4 psi above boost pressure, replace the stock fuel pump with a higher flow unit. (Paxton P/N: 8F001-120.)

- A. Remove the fuel lines from the fuel pump.
 - B. Remove the fuel pump.
 - C. Drill and tap the vent hole located in the side of the fuel pump. 1/16"NPT, use Ø.246" drill before tapping. Install a 1/16"NPT to 3/16" hose barb fitting (P/N: 7P062-187) into the tapped hole.
-

***** NOTE *****

If the fuel pump has two vent holes, plug the remaining hole with a pipe plug.

- D. Re-install the boost-referenced fuel pump.
- E. Attach the supplied vacuum hose to the barb fitting on the fuel pump. (See Fig. 5-a.) The other end of this hose will later be connected to the carburetor enclosure.
- F. Re-attach the fuel supply line.
- G. Attach the supplied 3/8" fuel line from the fuel pump outlet to the fuel filter and then route up to where the carburetor enclosure will be installed. Install and tighten the supplied hose clamps on all connections.



Fig. 5-a

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Section 6

MOUNTING BRACKET/SUPERCHARGER INSTALLATION

6.1 MOUNTING BRACKET/ SUPERCHARGER INSTALLATION

- A. Clean the front of the cylinder head so that the mounting plate will sit flat when installed.
- B. Install the primary mounting plate using a 1-1/4" bolt in the hole closest to the center of the engine.
- C. Install one of the supplied 3/8" diameter long bolts through the supercharger mounting plate, a long spacer, the primary mounting plate and into the top outside hole in the head. (See Figs. 6-a, 6-b for passenger's side mount and Figs. 6-c, 6-d for driver's side mount.)
- D. Install the remaining spacers and appropriate length bolts with washers to connect the supercharger mounting plate to the primary mounting plate and the head.

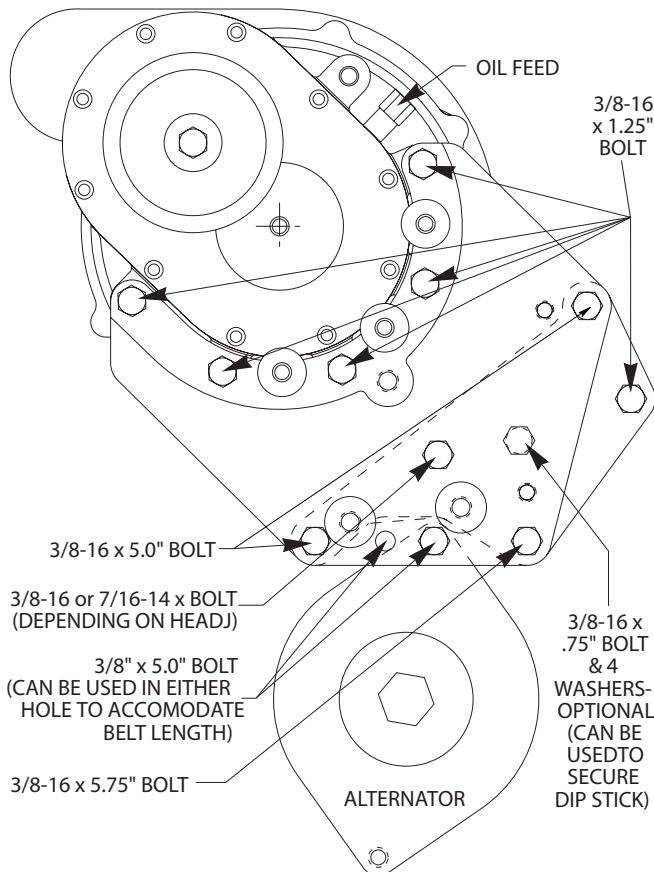


Fig. 6-a / Passenger side supercharger mount.
(*'64-'68 Mustang*)

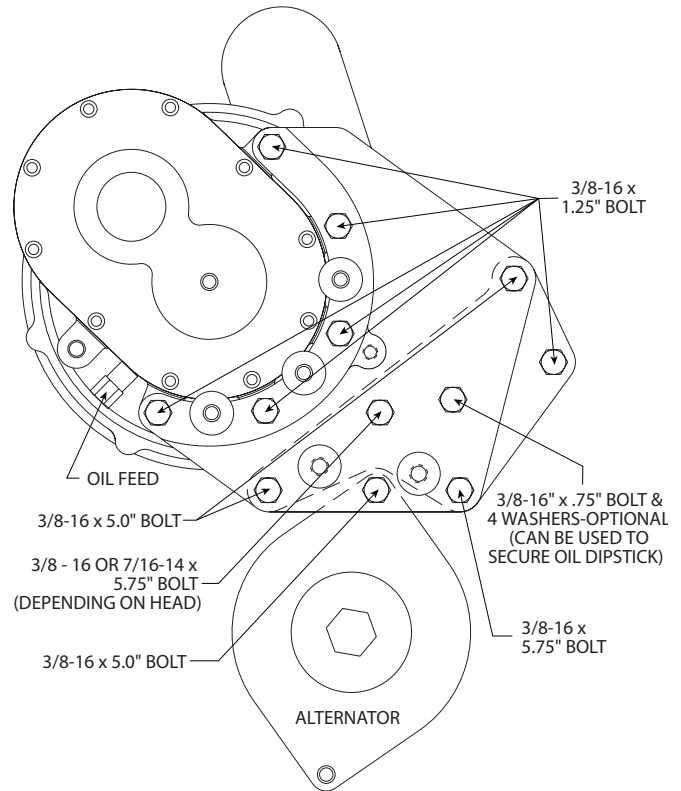


Fig. 6-b / Passenger side supercharger mount
(*'69 Mustang*)

- E. For passenger side installations, install a 3/8" x 5" bolt through the supercharger mounting plate, the alternator pivot boss, the supplied spacer and into the primary mounting plate.

6.2 SUPERCHARGER INSTALLATION

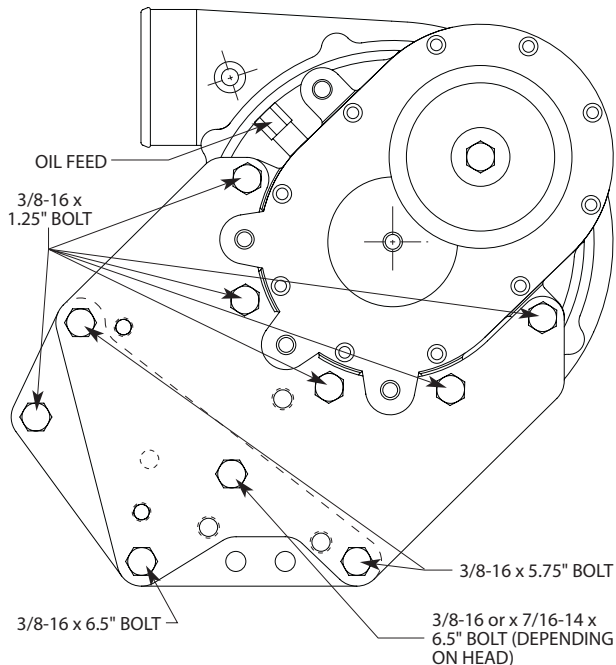


Fig. 6-c / Driver side supercharger mount.
('64-'68 Mustang)

- * A. Attach the oil drain line to the supercharger and secure using one of the #8 hose clamps provided.
- B. Lower the supercharger onto the mounting plate installed on the engine.
- C. Loosely start the 3/8" x 1-1/4" bolts through the mounting plate and into the supercharger gear case. Tighten in steps. (See Figs. 6-a, 6-d.)

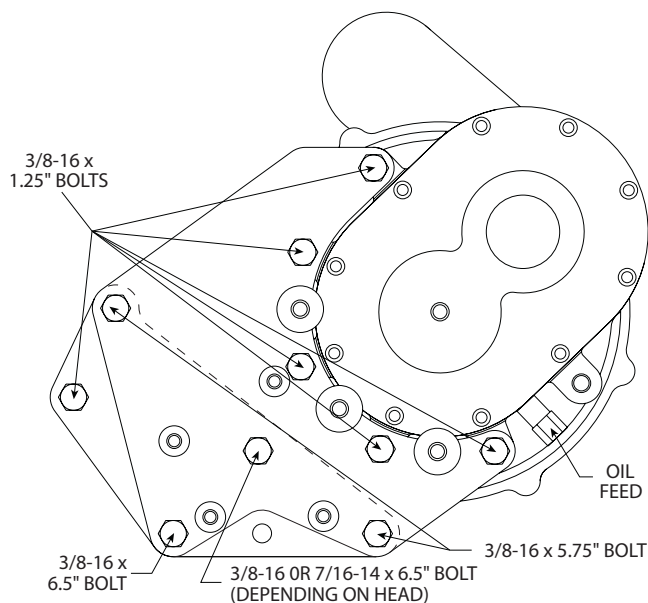


Fig. 6-d / Driver side supercharger mount.
('69 Mustang)

- * D. Attach the oil drain line to the fitting previously installed in the oil pan and secure using the supplied #8 hose clamp.
- * E. Install the 1/8"NPT x -4 x 90° fitting into the oil feed fitting using oil to lubricate the threads. Attach the oil feed hose to this fitting and tighten. (See Fig. 6-e.)

*** NOTE ***

Some applications (depending on intake manifold height) may require the reclocking of the supercharger volute. If reclocking is required for your application, loosen and remove the six 1/4-20 cap screws and retaining plates that hold the compressor housing (volute) to the gearcase. If the compressor housing does not rotate freely relative to the gearcase, **DO NOT FORCE IT. SERIOUS SUPERCHARGER DAMAGE MAY OCCUR.** The machined mating surfaces are designed to prevent pressurized air from escaping and have minimal tolerances. If the housing will not move or is very tight, contact Paxton Automotive immediately at 888 9-paxton and ask our service department for further assistance.



Fig. 6-e / Driver side oil feed shown,
passenger's side similar. ('64-'68 Mustang)

- ** F. Secure the remote oil drain hose away from belts and other hoses with tie-wraps.
- * Applies to engine oil-fed applications only. For Novi SL kits skip these steps.
- ** Applies to NOVI S/C applications only.

Section 7

CRANK PULLEY AND SUPERCHARGER DRIVE PULLEY INSTALLATION

7.1 CRANK PULLEY AND SUPERCHARGER DRIVE PULLEY INSTALLATION

***** NOTE *****

Stock water pump pulleys are approximately 5.7" in diameter (1965 Mustang). Larger pulleys may need to be replaced.

- A. If the original crank pulley was secured using three bolts, install the supplied crank pulley and spacer using the correct bolt pattern. If the original crank pulley was secured with four bolts, mount the supplied crank pulley directly onto the damper face.

***** NOTE *****

Some supplied crank pulleys may have multiple bolt patterns to fit different applications. Be sure to select the bolt pattern that matches the stock crank pulley.

- B. Select from the supplied bolts to get 1/2" to 3/4" thread engagement into the balancer.

- C. Seat the crank pulley in the balancer pilot and tighten the bolts in stages to factory specs.

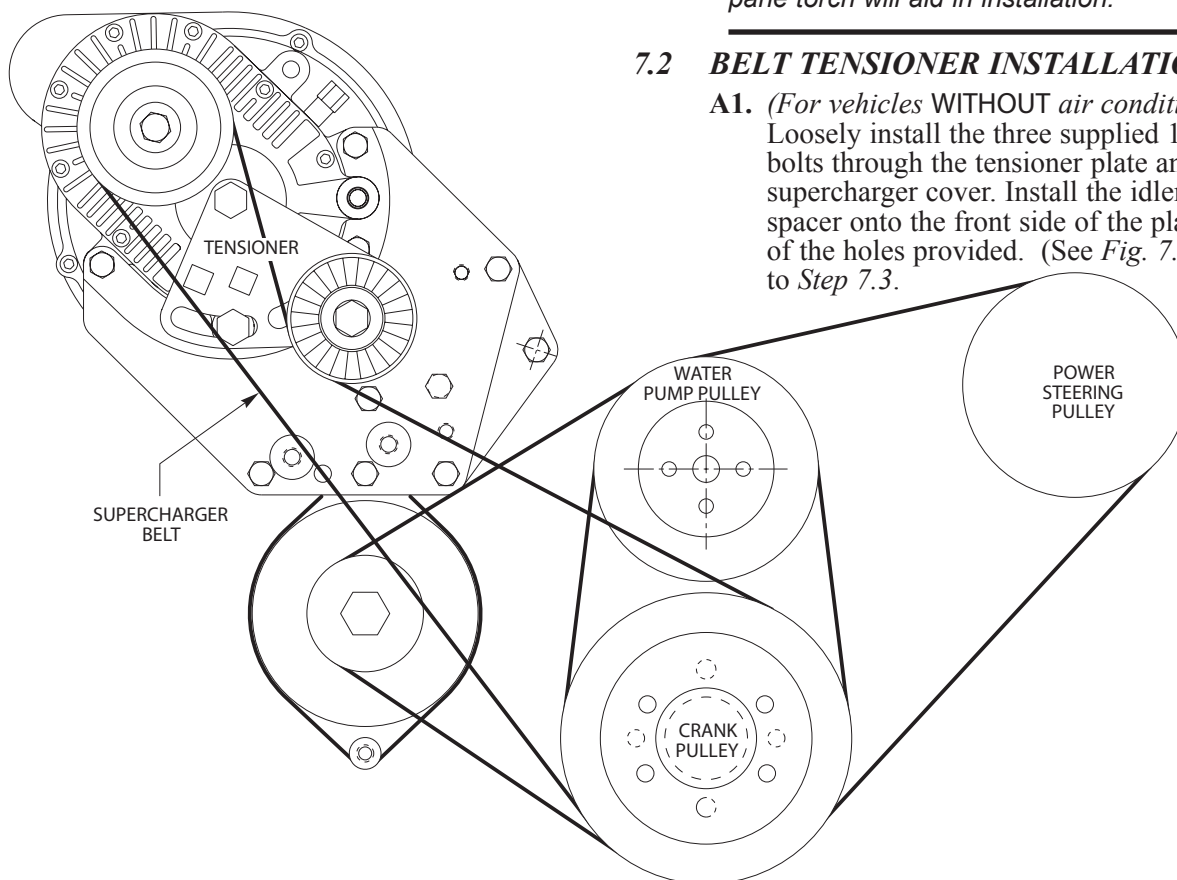
***** NOTE *****

Check the vehicle for radiator fan to crank pulley clearance. If there is interference either space fan forward or replace with a low profile electric fan.

- D. If the supercharger did not come with a pulley already installed, lightly grease the supercharger input shaft and/or the supercharger drive pulley bore. Install the pulley onto the supercharger input shaft and rotate the pulley to align the keyways. Slide the square key into the keyway. Install the pulley retainer assembly into the input shaft and hand tighten.

***** NOTE *****

If the supercharger drive pulley will not slide onto the shaft DO NOT FORCE IT. Light heating of the supercharger drive pulley with a propane torch will aid in installation.



7.2 BELT TENSIONER INSTALLATION

- A1. (For vehicles WITHOUT air conditioning.) Loosely install the three supplied 12mm bolts through the tensioner plate and into the supercharger cover. Install the idler and spacer onto the front side of the plate in one of the holes provided. (See Fig. 7.2-a.) Skip to Step 7.3.

Fig. 7.2-a / Passenger Side Supercharger Belt Routing (Driver Side Similar)

- A2.** (For vehicles WITH air conditioning.) Install the belt tensioner plate onto the supercharger mounting plate using the supplied 1.351" spacers and 7/16" bolts. Mount the idler and spacer on the front side of the tensioner plate in one of the two holes provided.
- B.** Remove the factory water pump pulley and install the supplied water pump pulley.
- C.** For vehicles without a factory A/C belt tensioner on the compressor mounting bracket, remove the support that attaches the compressor body to the water pump housing (*all others may use the factory belt tensioner*). Install the supplied mounting blocks on the compressor. Connect the supplied tensioner plate to the mounting blocks and to the water pump housing using the supplied bolts

and spacers. Tighten all fasteners. Install the supplied smooth idler assembly into the slot in the plate. Leave the assembly loose so that it can be tensioned after the belt is installed.

7.3 BELT INSTALLATION

- A.** Install the power steering, alternator, air conditioning and supercharger drive belts and tension each. (*Do not over-tension the supercharger drive belt. Press down firmly on the idler while tightening the three tensioner plate bolts*).
- B.** Tighten the supercharger pulley retainer assembly to 30-35 ft/lbs if pulley was not installed at Paxton.

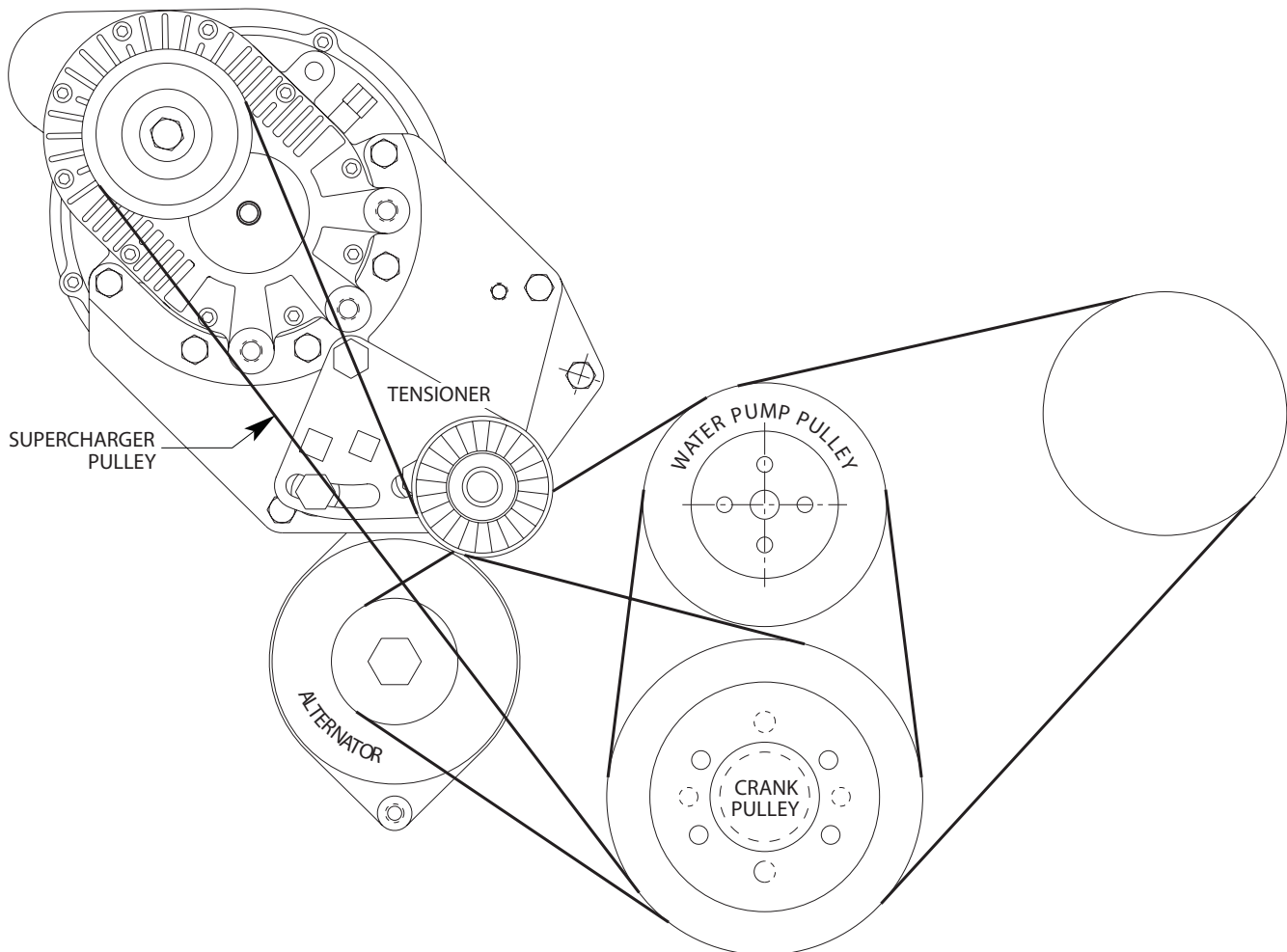


Fig. 7.2-a / Belt Routing With A/C

Section 8

CARBURETOR HAT/ENCLOSURE INSTALLATION

8.1 CARBURETOR ENCLOSURE INSTALLATION

If your system includes a carburetor hat, skip this step and proceed to Step 8.2.

***** NOTE *****

Due to the many possible configurations of intake manifolds (with regard to carburetor flange height) a carburetor spacer may be required to obtain the necessary height for proper supercharger and discharge duct alignment. If hood interference is a problem, a lower profile intake manifold may be required.

- A. Install the carburetor enclosure included in this kit by first relieving the fuel pressure in the system.
- B. Remove the carburetor from the intake manifold and thoroughly clean the intake manifold carburetor flange. Remove any throttle linkage brackets from the intake manifold.
- C. Thread the four supplied carburetor flange studs into the intake manifold and install one of the supplied gaskets.

***** NOTE *****

If possible, connect the PCV valve hose to a vacuum source on the intake manifold. If no source is available, connect to the 1/4"NPT hole in back of the enclosure.

- D. Install the lower part of the carburetor enclosure over the studs until it sits flat on the intake manifold.
- E. Install the other carburetor gasket over the studs until it sits flat on the carburetor enclosure carburetor mounting surface.
- F. With the carburetor in a suitable work area, bend the damper tab on the main throttle arm (if equipped) until it is flat. (See Figs. 8-a, 8-b, 8-c.)
- G. Install the throttle nut through the large hole on the outside of the throttle arm. Using a 10-24 cap screw inserted through a rod end and the #10 fender washer, thread into the throttle nut and tighten. (See Figs. 8-d, 8-e.)



Fig. 8-d

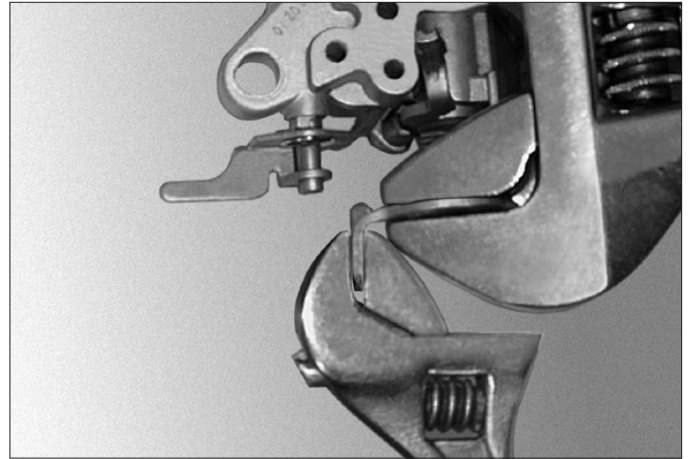


Fig. 8-a

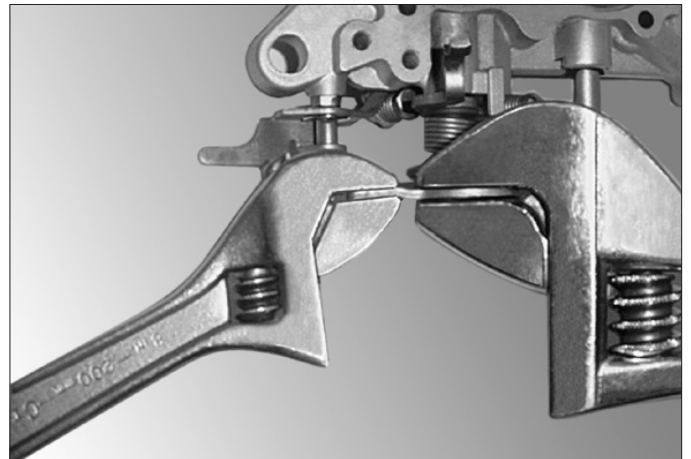


Fig. 8-b

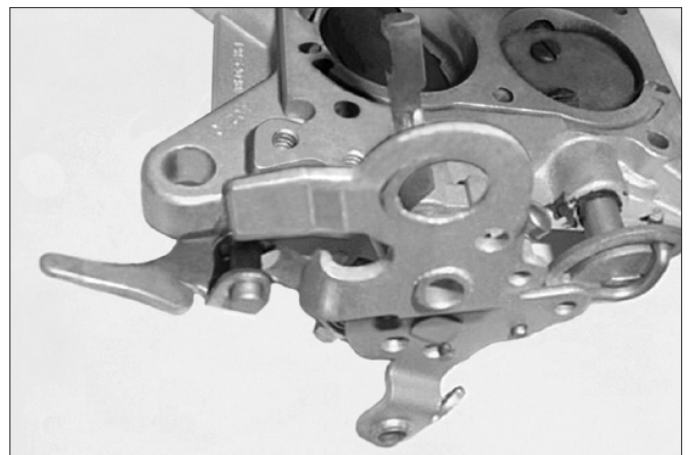


Fig. 8-c

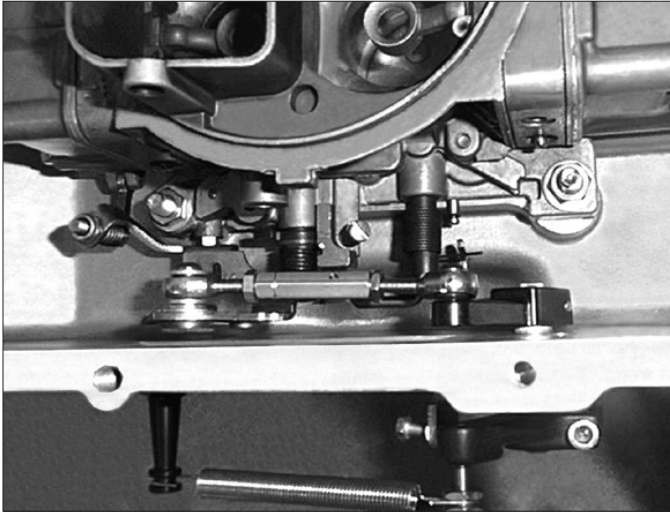


Fig. 8-e

- I. Install the idle bracket on the outside of the enclosure using two 1/2" screws. (See Fig. 8-h.) Install the supplied 10-32 jam nut on the 1" 10-32 screw and insert into the idle bracket. Alternatively, the idle can be adjusted at the carburetor before the enclosure cover is installed.
- J. With the one armed throttle arm on the inside of the enclosure, insert the splined shaft through the throttle bushing on the side of the carburetor enclosure.
- K. Install the large brass spacer over the splined shaft until it rests flat against the outside of the enclosure. (See Fig. 8-h.) Line up the remaining throttle arm with the inner throttle arm and slide onto the splined shaft.

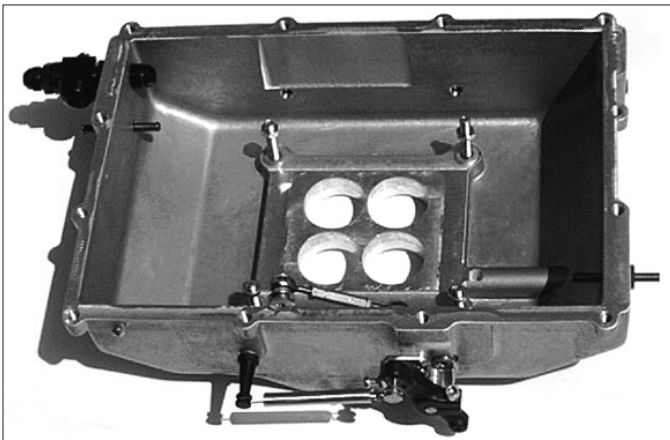


Fig. 8-f

- H. Install two of the brass plugs in each side of the carburetor enclosure. (See Fig. 8-g.)

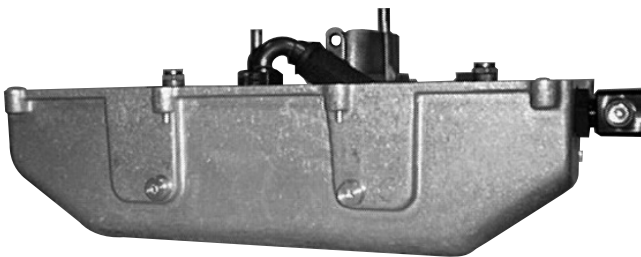


Fig. 8-g

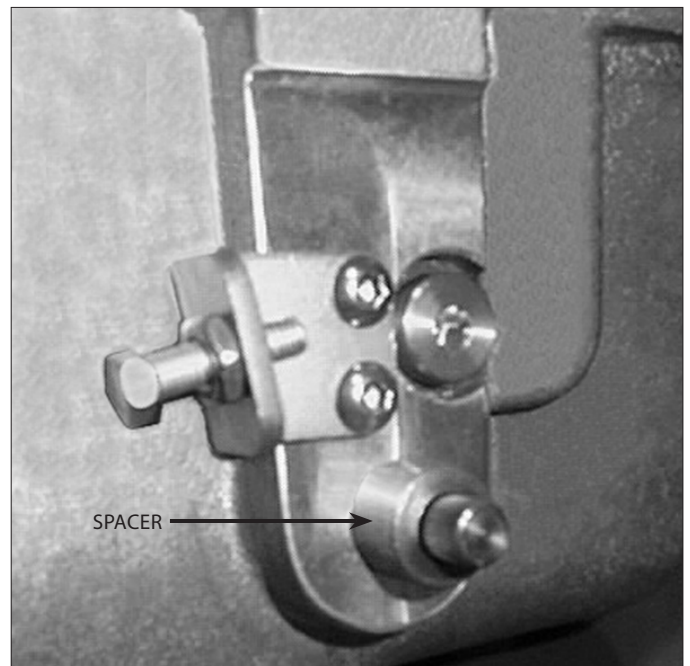


Fig. 8-h

- L. Tighten the clamp screws on both of the throttle arms. Rotate the throttle linkage to verify free movement. If drag is felt, adjust the distance between the two throttle arms.
- M. Install the remaining rod end on the outer hole on the inside of the inside throttle arm and tighten screw.
- N. Install the carburetor over the carburetor studs until it sits flat on the gasket. Install the four 5/16" nuts and washers on the studs and tighten. Make sure unused vacuum ports on the carburetor are plugged.

- O. With a jam nut installed on each rod end, install the 5/16" coupler shaft between the two rod ends. Adjust the coupler until the angle of the carburetor enclosure throttle arm matches that of the carburetor throttle arm.
- P. Install the fuel lines on the carburetor (See Fig. 7-i.) as follows:



Fig. 8-i

1. Install the -8 bulkhead nut and O-ring on the bulkhead fitting.
 2. Thread the bulkhead fitting into the front hole in the carburetor enclosure.
 3. Install the fuel lines into the carburetor bowls loosely.
 4. Connect the free end of each fuel line to the -8/-6/-6 TEE.
 5. Install the -8 straight hosebarb fitting on the inside of the bulkhead fitting. Install the -8 120° fitting on top of the TEE.
 6. Measure and cut the supplied pushlock hose so that it will fit well between the two installed barb fittings.
 7. Remove the barbed fittings, coat the barbs with grease, and fully insert the barbed fittings in the hose.
 8. Install the fuel hose assembly and tighten all of the fuel line connections.
- Q. Hose connections to the carburetor enclosure will vary widely depending on the application. All holes that are not used should be plugged with the supplied -3, -8 and 1/4"NPT plugs.

*** NOTE ***

All -3 and -8 fittings should have an O-ring installed before using.

- R. Connect the hose previously attached to the small barb fitting on the fuel pump to a -3 bulkhead fitting in the enclosure. Leave the

bulkhead fitting open on the inside of the enclosure.

- S. For Mustangs, use the model specific external throttle linkage. All other applications must have a suitable throttle actuation assembly fabricated.
 1. *1964-1968 Mustang:* Install the supplied 2" tapered spacer onto the factory throttle arm using the supplied 3/8-16 screw with two washers under the head. With a rod end in each end, install the supplied 6" throttle shaft. (See Fig. 8-j.)

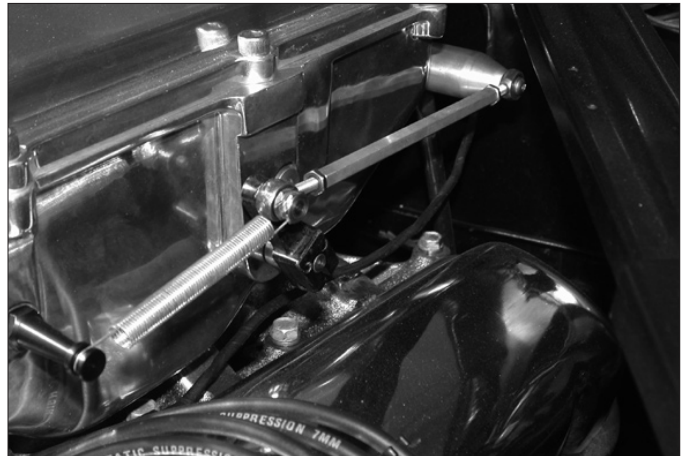


Fig. 8-j

2. *1969 Mustang:* Install the supplied throttle bracket onto the rear of the enclosure using two 10-24 x .5" screws. Install the L-bracket onto the throttle bracket using two 10-24 x .5" screws and nuts. Install the throttle cable in the factory manner through the "L" bracket and attach to the throttle arm using the supplied ball mount. (See Fig. 8-k.)

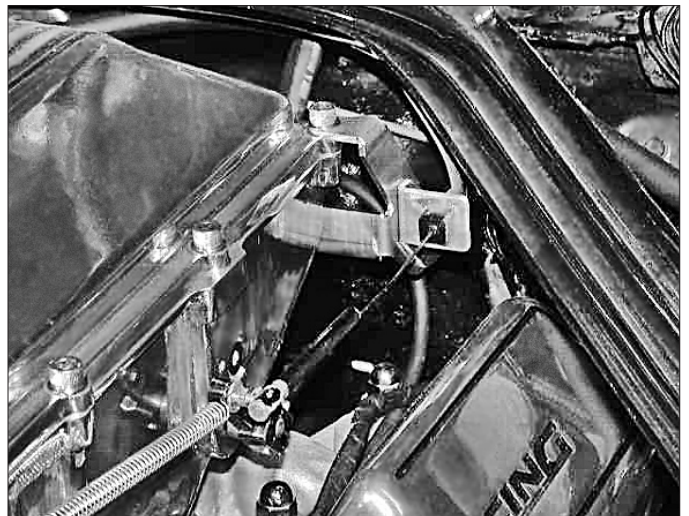


Fig. 8-k

- T. Install the throttle return spring.
- U. Check for full throttle by pressing the accelerator to the floor and verifying that the carburetor butterflies open fully.
- V. If possible, pressurize the fuel system and check for leaks.
- W. Using the supplied 5/16" cap screws, install the top cover on the enclosure and tighten the screws.
- X. Use the supplied hardware to plug any open holes in the carburetor enclosure and cover.

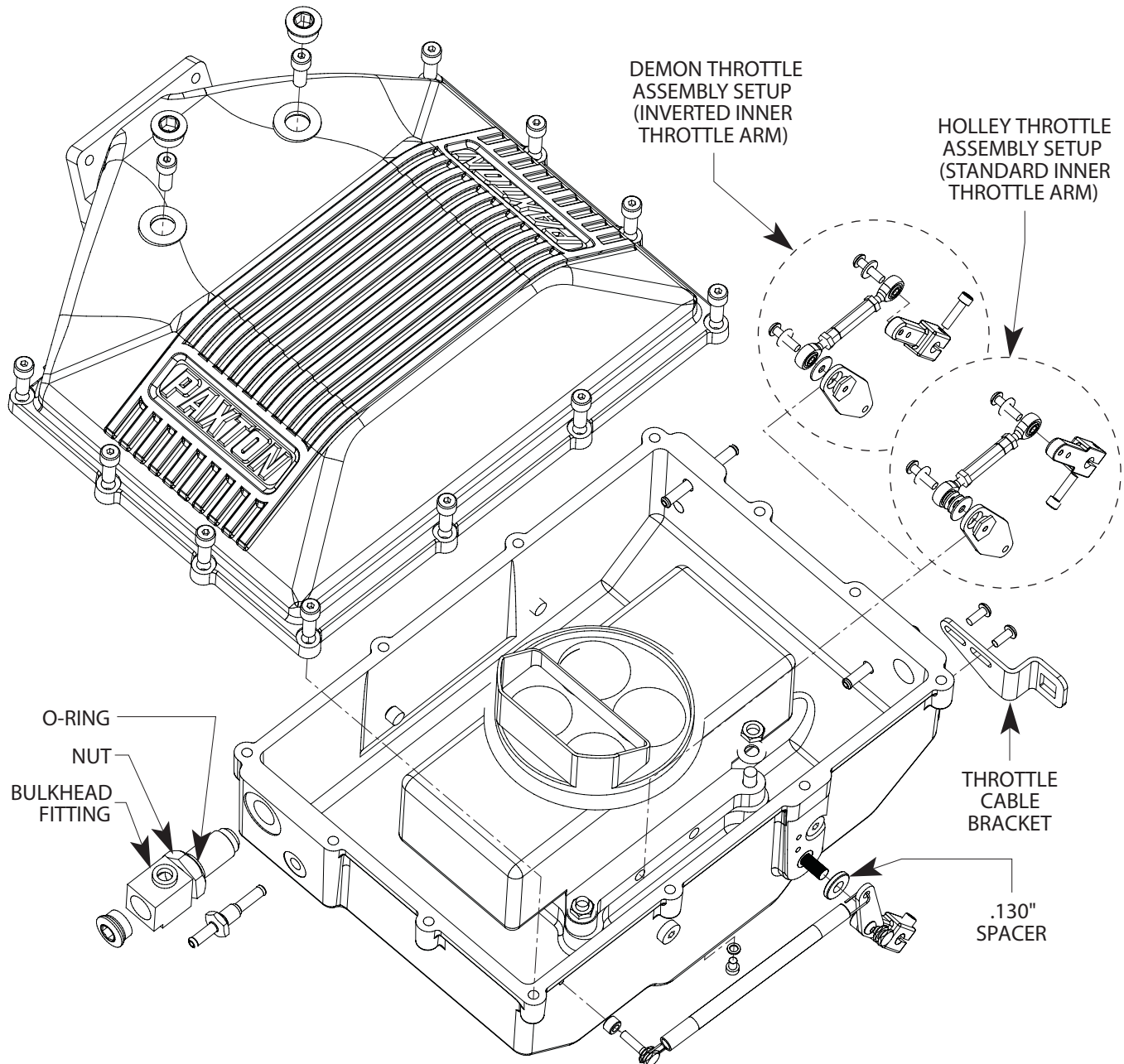


Fig. 8-1 / Carburetor enclosure
(64-68 Mustang shown)

8.2 CARBURETOR HAT INSTALLATION.

If the carburetor enclosure was previously installed in Step 8.1, skip this step and proceed to Section 9.

- A. Locate the 8PM106-011 carb hat assembly.
- B. Place the carb hat housing bottom side up on a non-marring surface.
- C. Place the diffuser onto the receiver groove machined into the carb hat housing. (See Fig. 8.2-a)
- D. Place the carb hat base onto the housing, making sure the diffuser seats into the base's machined groove. Orient approximately as shown. (See Fig. 8.2-b)
- E. Install the ten (10) retaining clips around the circumference with the included 1/4-20 screws. Do not tighten at this time, so the base can rotate within the hat.
- F. Temporarily place the assembly onto the carburetor so the float adjustment screws are centered within the reliefs on the base and the inlet points to the driver side.
- G. Locate the 4PFX012-060 discharge assembly. Temporarily place the 45° aluminum elbow between the supercharger discharge and the carb hat inlet. Adjust the clocking of the carb hat relative to the base as needed for proper alignment. Snug one or two of the retaining clips to secure the base to the hat.
- H. Remove the hat assembly from the engine and secure the remaining retaining clips.
- I. Place the included gasket onto the carburetor's air cleaner mounting surface. Place the hat assembly into position and secure to the carburetor with the included 5/16-18 screw and gasket sealing washer.
- J. Install the 45° aluminum elbow between the supercharger discharge and the carb hat inlet. Couple to the discharge to the carb hat inlet using the Ø3.0" silicone sleeve and two (2) #48 worm gear clamps. Couple the other end with the Ø2.75" X Ø3.0" stepped coupler, one (1) #44 worm gear clamp, and one (1) #48 worm gear clamp. (See Fig. 8.2-c)
- K. Compressor Bypass Valve Placement:
Paxton suggests attaching the compressor bypass valve (bypass valve and mounting flange are not included) onto the supercharger discharge tube. After all of the major kit components have been installed, mock-up the bypass valve and flange so that proper clearance to vehicle hood and surrounding components is confirmed. Actual valve location will vary depending on the specific application. After the bypass flange and valve are permanently mounted, connect the bypass valve vacuum port to a proper vacuum source on the engine.



Fig. 8.2-a



Fig. 8.2-b



Fig. 8.2-c

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Section 9

AIR DUCTING INSTALLATION

9.1 AIR DUCTING INSTALLATION

- A. Install the supplied air filter onto the supercharger inlet. Orient for maximum clearance and tighten clamp.
- B. Install the four-bolt flange adapter and gasket onto the enclosure cover using the 5/16-18 socket head cap screws.
- C. Install the correct sleeves and clamps on each end of the discharge duct. Slide one end of the discharge duct onto the supercharger and the other end onto the enclosure adapter.

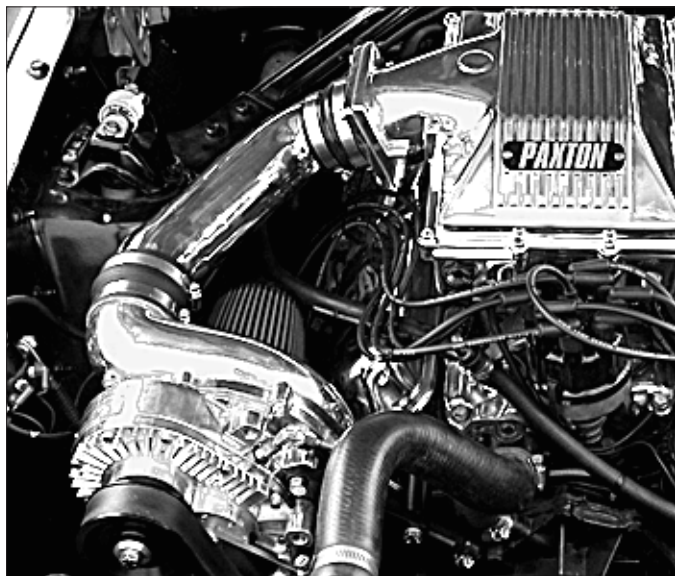


Fig 9-a / Passenger side discharge tube.
('64-'68 Mustang)

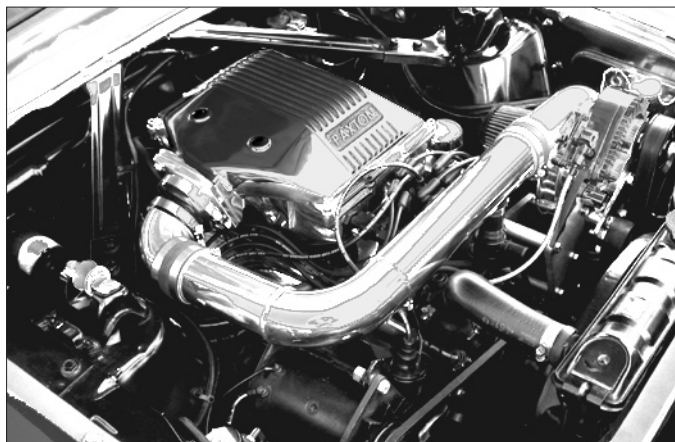


Fig 9-b / Driver side discharge duct.
('64-'68 Mustang)

*** NOTE ***

On applications where the discharge of the supercharger does not line up, try loosening the mounting bracket bolts that go into the head, re-position supercharger and tighten all bolts.

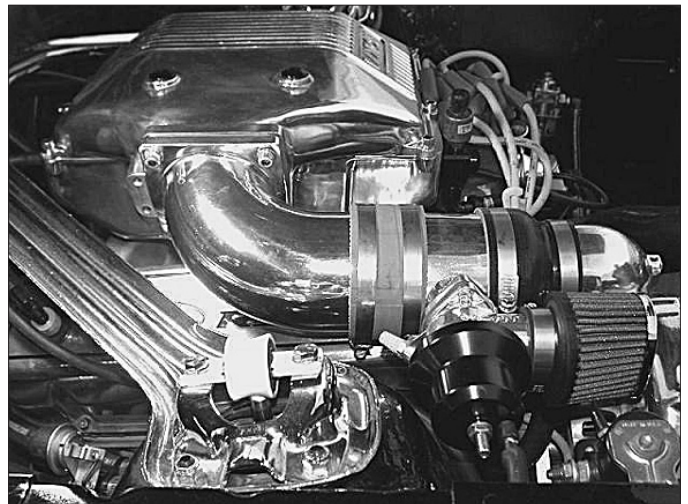


Fig 9-c / Passenger side discharge duct.
(1969 351 Mustang)

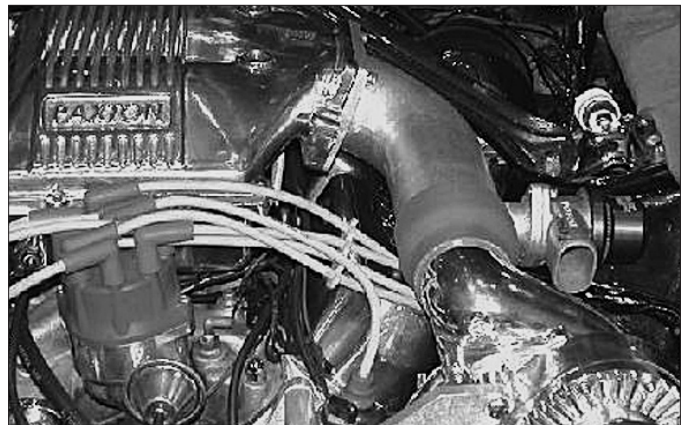


Fig 9-d / Driver side discharge duct
(1969 351 Mustang)

- D. Install the supplied bypass valve onto the discharge duct. Install the supplied filter onto the bypass valve discharge. Orient the bypass valve for maximum clearance (*check with hood closed*).

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Section 10

FINAL RE-ASSEMBLY AND CHECK

10.1 FINAL REASSEMBLY AND CHECK

***** WARNING *****

Do not attempt to operate the vehicle until all components are installed and all operations are completed including final check.

- A. Reconnect the battery.
- B. If your vehicle has gone over 15,000 miles since its last spark plug change, you will need to change the spark plugs now before test driving the vehicle.
- C. Check all fittings, nuts, bolts and clamps for tightness. Pay particular attention to oil and fuel lines around moving parts, sharp edges and exhaust system parts. Make sure all wires and lines are properly secured with clamps or tie-wraps.
- D. Check all fluid levels, making sure that your tank(s) is filled with 91 octane or higher fuel before commencing test drive.
- E. Start engine and allow to idle a few minutes, then shut off.
- F. Recheck to be sure that no hoses, wires, etc. are near exhaust headers or moving parts and for signs of any fluid leakage. Re-jet the carburetor as required. Install a boost referenced high-performance mechanical fuel pump or high performance electric fuel pump with boost referenced fuel regulator. Check ignition timing to make sure it is properly set before commencing test drive.
- G. **PLEASE TAKE SPECIAL NOTE:**
Operating the vehicle without all sub assemblies completely and properly installed and working may cause FAILURE OF MAJOR ENGINE COMPONENTS.
- H. Keep in mind that this manual does not address air/fuel or ignition timing considerations. (See Page iv.)
- I. Test drive the vehicle.
- J. Read the Street Supercharger System Owner's Manual and RETURN THE Warranty REGISTRATION FORM within thirty (30) days of purchasing your supercharger system to qualify.

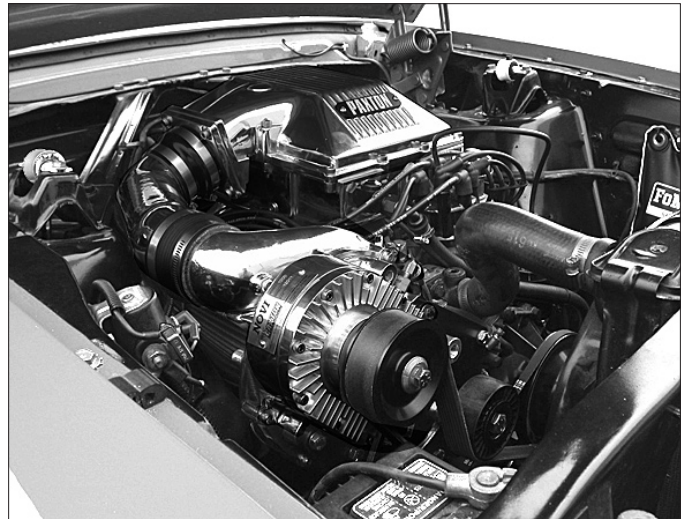


Fig. 10-a / Passenger side installation.
('64-'68 Mustang)



Fig. 10-b / Driver side installation.
('64-'68 Mustang)

FOR INTERNALLY LUBRICATED NOVI SL UNITS ONLY

This supercharger has been factory pre-filled with special Paxton synthetic lubricant. Oil does not need to be added to a brand new unit; however, a fluid level check should be performed.

Prior to operating the supercharger on the vehicle and after installation onto the vehicle:

Remove the factory installed flat-head brass shipping plug from the top of the supercharger case

(not the dipstick). Replace the sealed shipping plug with the supplied “vented” plug. Do not operate the supercharger without it. Check the supercharger fluid level.

Fluid level checking procedure:

1. Ensure that the .06" copper sealing washer is located on the dipstick base.
2. Thread the clean dipstick into the unit until it seats.
3. Once the dipstick has seated, remove the dipstick from the unit. Fluid should register in the crosshatched area on the dipstick
4. **DO NOT OVERFILL!!!** Drain excess fluid from the unit if it is above the maximum level on the dipstick.

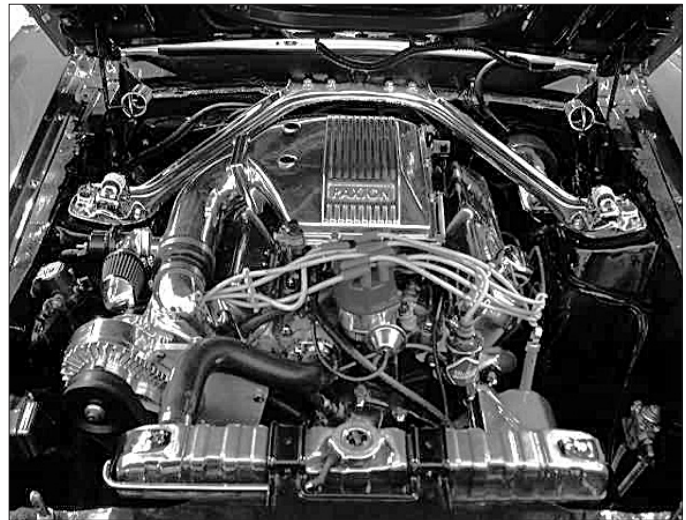
Check the fluid level using the dipstick at least every 2,500 miles.

Initial supercharger fluid change must be performed at 2,500 miles. The supercharger fluid must be changed at least every 7,500 miles.

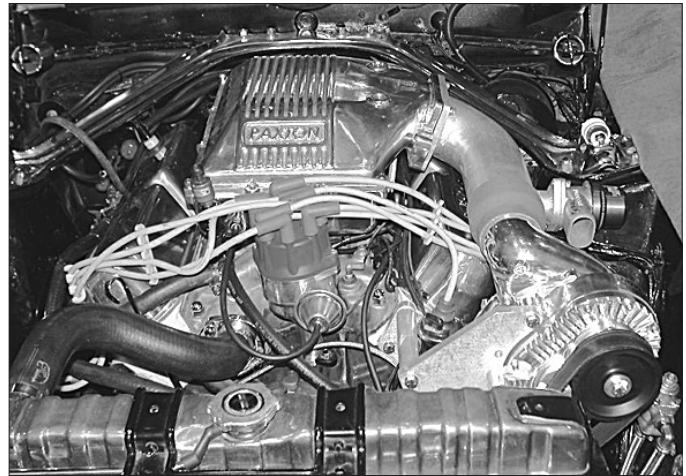
Drain the fluid, re-fill the unit with 4oz of Paxton SL lubricating fluid and then confirm proper oil level using the dipstick. **DO NOT OVERFILL!!!**

***** WARNING *****

Use of any fluid other than the special Paxton supplied lubricating fluid will void the warranty and may cause component failure.



*Fig. 10-c / Passenger side installation.
(‘69 351 Mustang)*



*Fig. 10-d / Driver side installation.
(‘69 351 Mustang)*

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