



PAXTON
AUTOMOTIVE CORPORATION
S U P E R C H A R G E R S



Owner's Installation Guide for the

***Paxton Automotive
Novi 1000 Supercharger
for the
2000/2001 Dodge Durango***

**Paxton Automotive . 1300 Beacon Place . Oxnard CA 93033
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FOREWORD

This manual provides information on the installation, maintenance and service of the Paxton supercharger kit expressly designed for the 2000-2001 4.7L Dodge Durango. Contact Paxton Automotive Corporation for any additional information regarding this kit and any of these modifications at (805) 604-1336 7:00am-3:30pm PST. An understanding of the information contained herein will help novices, as well as experienced technicians, to correctly install and receive the greatest possible benefit from their Paxton supercharger. When reference is made in this manual to a brand name, number, specific tool or technique, an equivalent product may be used in place of the item mentioned. All information, illustrations and specifications contained herein are based on the latest product information available at the time of this publication. All rights reserved to make changes at any time without notice.



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RECOMMENDED TOOLS FOR INSTALLATION:

- 1.** Metric and Standard sockets sets
- 2.** Metric and Standard combination wrenches
- 3.** Phillips and common screw drivers
- 4.** 12” crescent wrench or 36mm open end wrenches
- 5.** Pliers
- 6.** Wire cutters and wire crimping Tool
- 7.** Hose cutters
- 8.** 1/8” drill bit and hand drill
- 9.** Allen wrenches
- 10.** Small heat source
- 11.** 3/8 Tap NPT

Section 1

INTRODUCTION

Congratulations! You have purchased the finest street Supercharger available for the 2000-2001 4.7L Dodge Durango. The centerpiece of this kit is the highly efficient and reliable Paxton Automotive Corp. NOVI-1000 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 Dodge shop manual and become familiar with the details of your cars systems. Manuals may be obtained from your local Dodge dealer or you can order one from Helm publications at (800) 782-4356.

For best results follow the instructions closely and in sequence. The average installation time for this kit is 8-10 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) 604-1336, 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) 604-1336

*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

INITIAL PREPARATION AND DISASSEMBLY

Begin the initial preparation and disassembly process by disconnecting the battery cables.

2.1 FAN AND FAN SHROUD REMOVAL

- a. Remove the plastic panel under the front of the vehicle by prying out the seven plastic clips. Drain the radiator.
- b. Remove the upper fan shroud/reservoir by first disconnecting the three electrical plugs and two small hoses on the passenger side. (See Fig 2.1.)



Fig. 2-1

- c. Disconnect the coolant overflow hose at the filler cap. (See Fig. 2-2.) Make sure to clamp or plug this hose to avoid coolant loss. Remove the two bolts securing the shroud using a 10mm socket. Lift up and remove shroud.



Fig. 2-2

- d. Remove the fan using a 36mm or a large crescent wrench. Hitting the wrench with a brass hammer will break it loose. The fan unscrews counter-clockwise as viewed from the front of the engine. (See Fig. 2-3.)



Fig. 2-3

2.2 AIR FILTER REMOVAL

- e. Remove the air filter assembly (See Fig. 2-4) by first loosening the clamp at the throttle body, then disconnect the "S" shaped pcv hose. (See Fig. 2-5.) Remove the nut securing rear of air box using a 10mm socket. Lift assembly up and off the rubber mounts.



Fig. 2-4



Fig. 2-5

- f. Remove both metal coolant lines and their mounts that run across the top of the engine.
- g. On the passenger side of the engine, remove the uppermost hose fitting that was connected to the coolant hose using a 3/4" wrench.
- h. Using Teflon sealant, install the supplied 45 deg. brass fitting so it points back and up slightly. Thread the straight hose fitting into this using Teflon sealant. (See Figs. 2-6, 2-7.)



Fig. 2-6



Fig. 2-7

- i. Attach the supplied coolant hoses being careful to get the orientation correct. If necessary, hold the original metal lines in place to see which hose goes with what fitting. Re-use the factory spring type clamps removed from both ends of the original metal lines at the splice point. (See Fig. 2-8.)



Fig. 2-8

- j. Detach wiring harness from the front of the engine. (See Fig. 2-9.)



Fig. 2-9

- k. Remove the fan belt by rotating the tensioner using a 15mm wrench or socket.
- l. Remove the four bolts securing the oil filler neck using a 10mm deep socket. (See Fig. 2-10.)



Fig. 2-10

- m. Remove the three bolts securing the A/C compressor using a 13mm and 15mm socket. Lift compressor up and let it rest on top of the valve cover.
- n. Using a 1-1/8" wrench or socket, remove the large bolt on the front of the cylinder head. (See Fig. 2-11.)

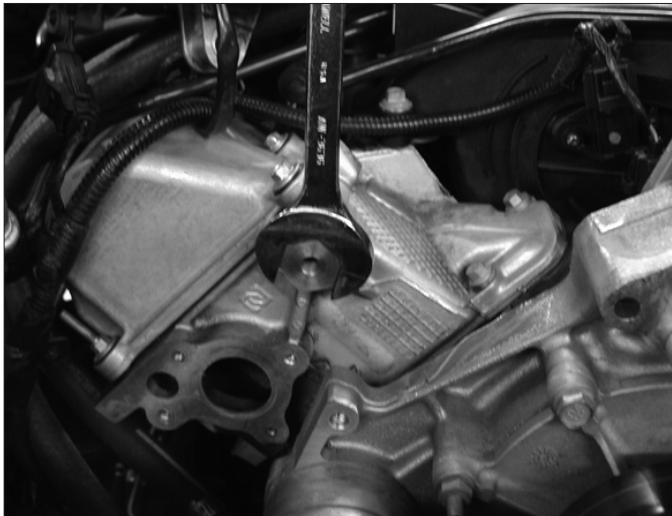


Fig. 2-11

- o. Trim the plastic hose that connects to the oil filler by cutting it off just before the second barb (approx 3/4"). Do not remove the second barb as this keeps the hose from coming off under boost. (See Fig. 2-12.) Install the supplied longer hose.

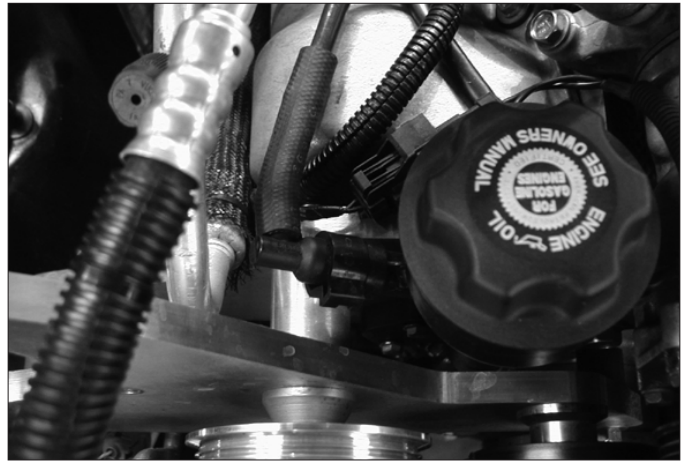


Fig. 2-12

- p. Detach the cruise control cable at the throttle body. (See Fig. 2-13.) Using a 10mm socket, unbolt the cruise control actuator and separate it from its mounting bracket.

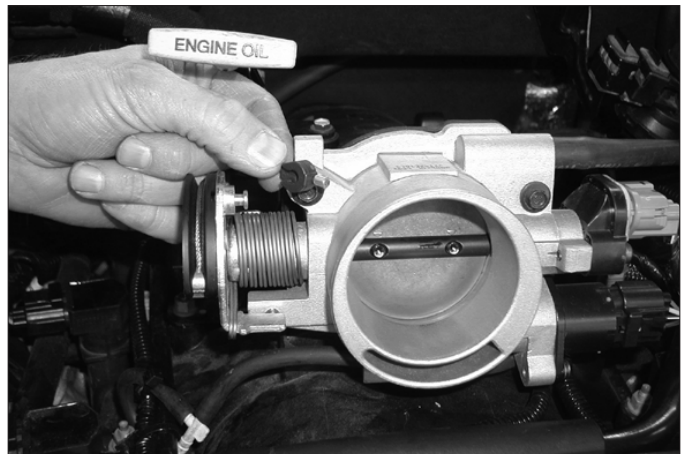


Fig. 2-13

- q. Once you have removed the two 10mm nuts securing the cable to the actuator, pull out the small pin using a pair of pliers. (See Fig. 2-14.)



Fig. 2-14

- r. Re-route the cruise control cable behind the A/C lines at the firewall. Unbolt the computer from the inner fender panel using an 8mm socket and route the cruise control cable behind it. (See Fig. 2-15.)

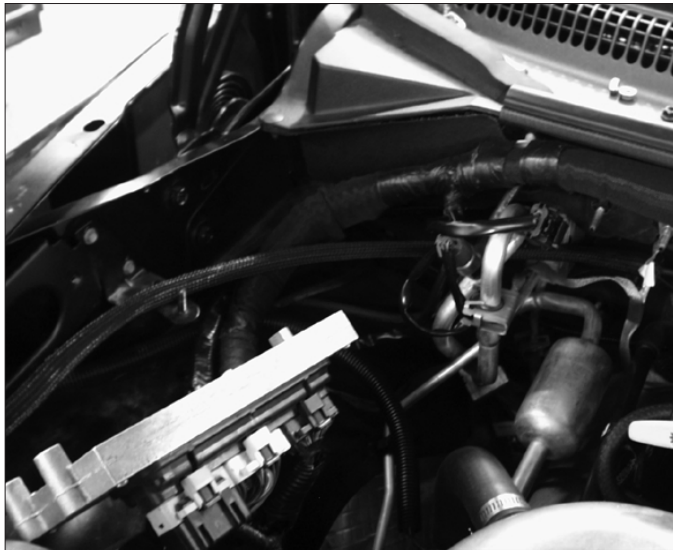


Fig. 2-15

- s. Re-assemble the actuator onto the new bracket. (See Fig. 2-16.)



Fig. 2-16

- t. Bolt the bracket to the fender panel using the two existing holes next to the large opening. The plug portion should point straight down. Re-attach the cable at the throttle body. Re-attach the computer.
- u. Attach the rear support plate to the cylinder head using the supplied large bolt. (See Figure 2-17) Use at least two of the supplied 6mm bolts to align the bracket with the other mounting holes before tightening. Make sure the supplied O-ring is in place on the rear of the plate.

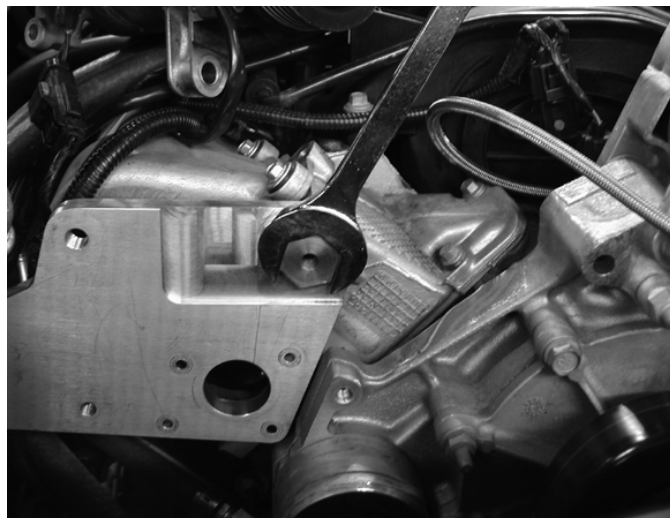


Fig. 2-17

- v. Bolt the oil filler neck to the plate using the supplied hardware. (See Fig. 2-18.) Re-attach the PCV hose.

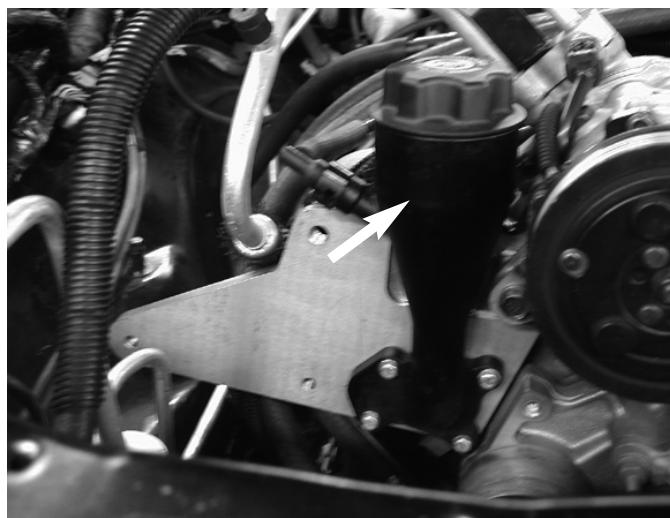


Fig. 2-18

- w. Bolt the A/C Compressor back in place using the original hardware. You may need to bend the A/C line slightly to fit in corner of plate. (See Fig. 2-19.)

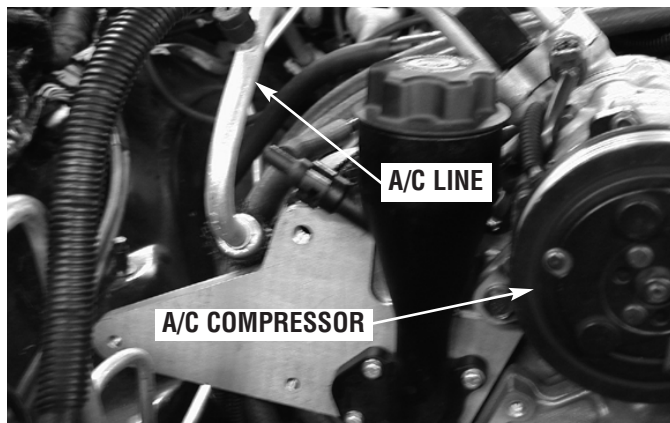


Fig. 2-19

- x. Bolt the front plate to the rear plate using a 9/16", 3/4" and a 17mm socket (See Fig. 2-20.) Check the tightness of the small idler attached to the plate with a 9/16" socket.

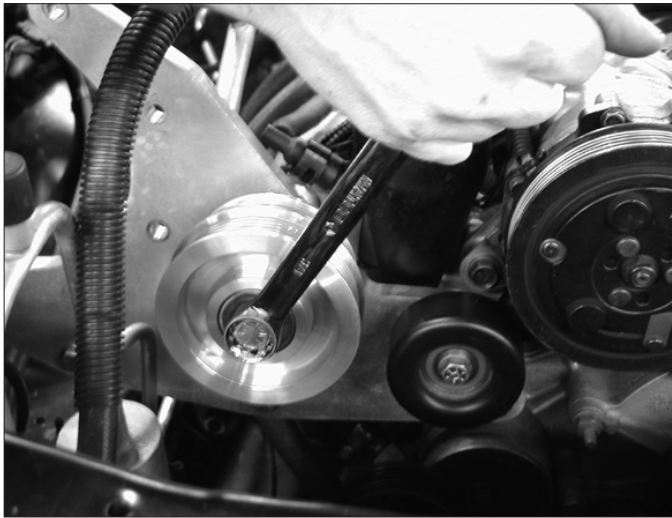


Fig. 2-20

- y. Install the new Accessory drive belt. (See Fig. 2-21.) Re-install the fan. (See Fig. 2-22.)



Fig. 2-21



Fig. 2-22

- z. From under the vehicle mark and drill the oil pan in preparation for the oil drain. (See Fig. 2-23.) On the front of the pan, measure and mark the center. Now find the center-point between the pan rail. Coat a 3/16" drill bit with grease and drill the hole. Coat the supplied punch with anti-seize or heavy grease and drive it in only halfway using an air chisel with a blunt tip. Do not use a hammer. Do not go in all the way or you will damage internal engine components. Now you must cut off the front portion of the hardened steel punch with either a grinder or a cut off wheel. Continue driving the punch in, and expand the hole until it measures Ø9/16". Go slow with this. It will affect your tapped hole if you go too far. Now tap the hole using a greased 3/8 NPT tap. Go slowly and make sure the tap goes in straight. Stop periodically to clean and re-grease the tap. Run the tap in only 2/3 of the way and check to see that the fitting will screw in leaving at least three threads exposed. Clean threads thoroughly, coat fitting with Teflon sealant and install.



Fig. 2-23

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Section 3

SUPERCHARGER INSTALLATION AND ASSEMBLY

3.1 SUPERCHARGER INSTALLATION:

- a. Test fit the supercharger in the mounting bracket. You may need to bend the A/C lines for a perfect fit.
- b. Measure and cut the supplied oil drain hose to 22-1/2" long. Secure hose to drain fitting on supercharger using supplied clamp. (See Fig. 3-1.)
- d. Fasten supercharger with 6 bolts and attach drain hose to fitting on pan. (See Figs. 3-3, 3-4.)

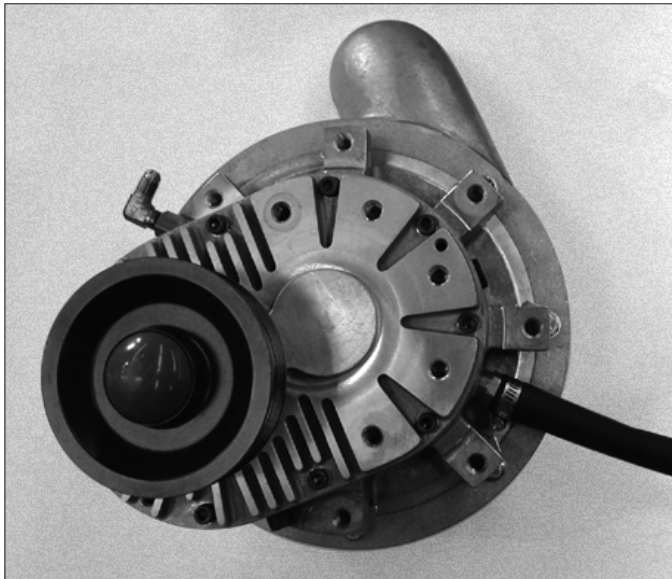


Fig. 3-1

- c. Lower the supercharger into place making sure that the oil drain hose goes over the A/C line. (See Fig. 3-2.)

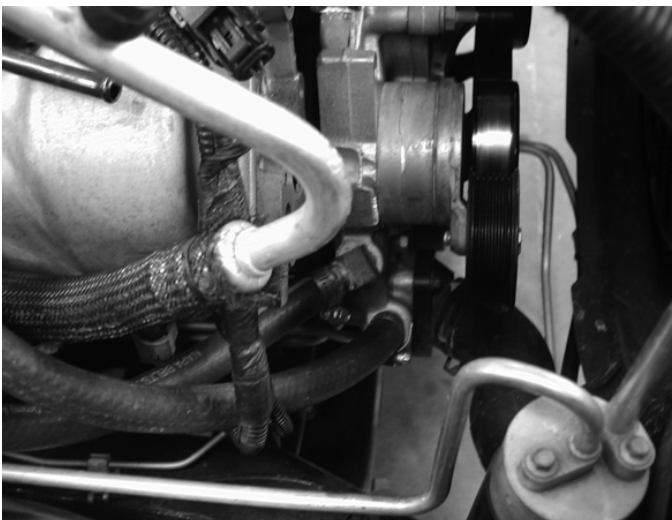


Fig. 3-2



Fig. 3-3

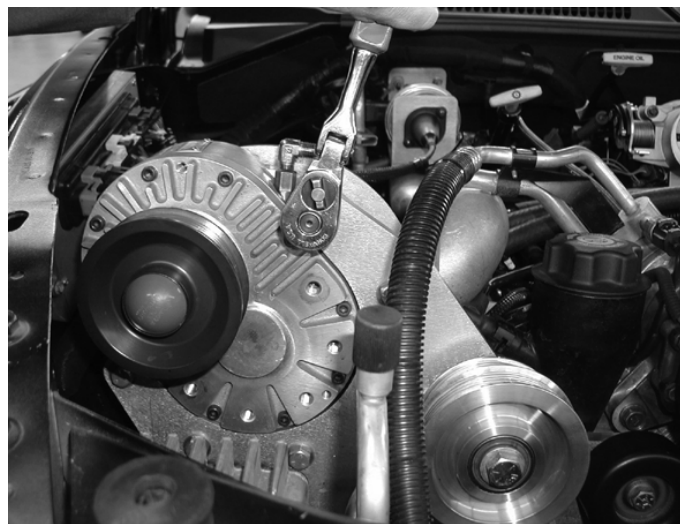


Fig. 3-4

Make sure the drain hose is routed smoothly down hill without dips or kinks. Drain restriction may cause supercharger failure.

- e. Bolt the belt tensioner assembly to the front of the supercharger using a 7/32" allen wrench or socket (See Fig. 3-5.)

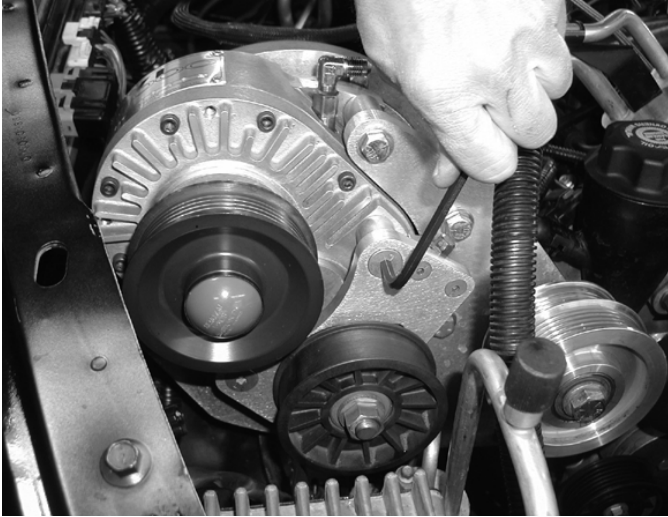


Fig. 3-5

- f. Install the supercharger drive belt and tension by turning the leadscrew clockwise using a 10mm socket. The belt should be very tight as it will stretch after being run and loosen up. (See Fig. 3-6)



Fig. 3-6

- g. Tighten the nut on the tensioner pulley using a 3/4" wrench. You will have to bend the uppermost a/c line up slightly to clear the belt. (See Fig. 3-7.) Also, bend it up slightly at the radiator end until it clears.

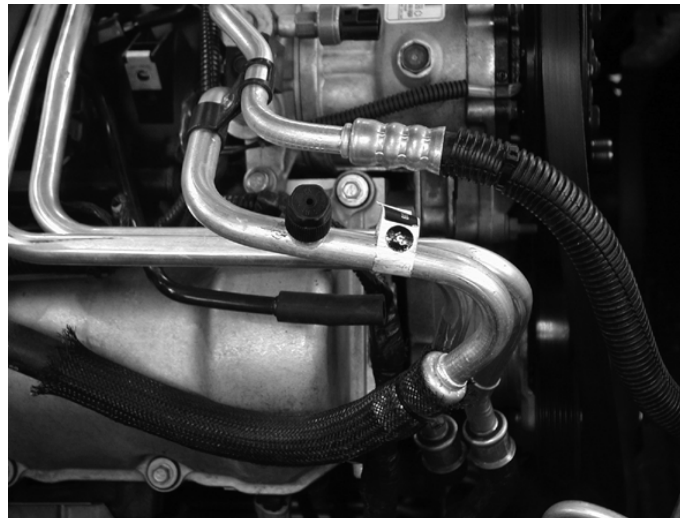


Fig. 3-7

- h. Under the vehicle, near the oil filter, you will find the oil pressure sender. Unplug and remove using an oil pressure sender socket available at most auto parts stores. Install the brass TEE fitting using Teflon sealant on the threads. (See Fig. 3-8.) The sender is now re-installed pointing toward the front of the vehicle.



Fig. 3-8

- i. Using Teflon sealant, install the straight fitting into the remaining port and attach one end of the oil line using a 9/16" wrench. Route the oil line up and across the top of the engine toward the supercharger.
- j. Install the 90 deg. fitting in the supercharger oil jet using Teflon sealant. Support the jet with a 1/2" wrench as you tighten the fitting. Next, route the oil line. (See Fig. 3-9.)

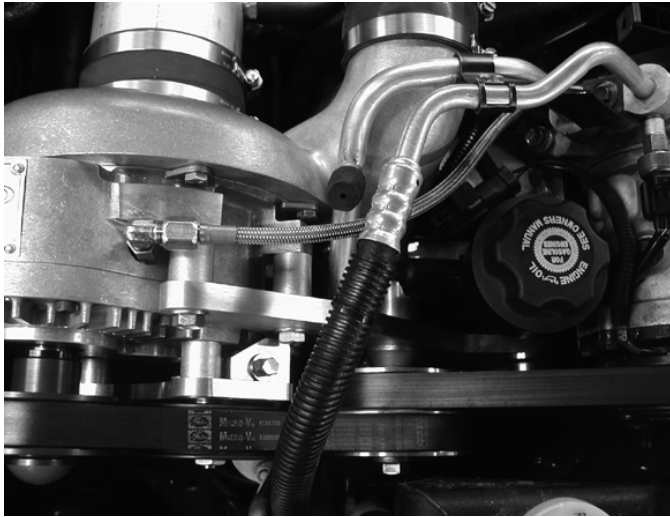


Fig. 3-9

- k. Attach the oil line, again supporting the oil jet at the top. (See Fig. 3-10.)

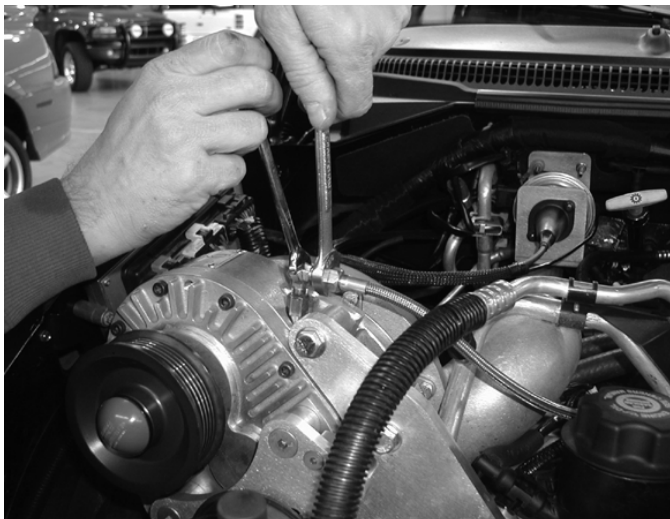


Fig. 3-10

- l. Re-install the plastic undertray reusing the seven plastic fasteners.
- m. Locate the fuel pressure test port directly under the dipstick on the passenger side fuel rail. (See Fig. 3-11.) Remove the plastic cap and place a rag over the port. Hold the rag with one hand and depress the valve with a small screwdriver to relieve fuel system pressure. Use caution when performing this step to avoid getting fuel in your eyes. Remove the valve core using a small screwdriver or valve core removal tool.



Fig. 3-11

- n. Attach the discharge tube so the injectors are situated under the throttle linkage. (See Fig. 3-12.)



Fig. 3-12

- o. Attach the straight end of the fuel line to the fuel rail and the 90 deg. end to the injector block. Tighten using a 9/16" wrench. (See Fig. 3-13.)



Fig. 3-13

- q. Route the red and black wires along with the small four wire harness back and along the firewall, but do not secure. The relay will be mounted to the stud just above and to the side of the brake booster. (See *Figure 3-14.*)



Fig. 3-14

- r.) Attach the ground from the relay and the Paxton engine management unit to the same stud. Connect the red wire from the fueler to terminal 87 on the relay. Route the wires from the relay back toward the fuse box. Using the supplied blue shrink type butt connector, splice the green wire into the green wire with the black stripe. (See *Fig. 3-15.*) This will be the trigger for the relay.

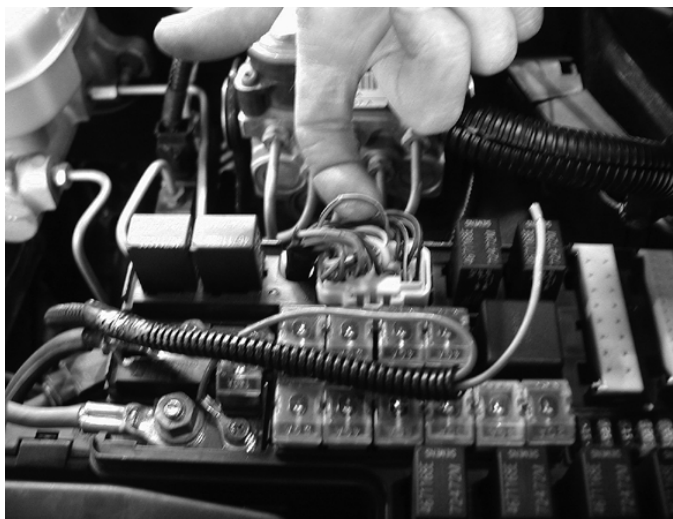


Fig. 3-15

- s. Using a heat gun or lighter, apply heat until the connector shrinks. Attach the red to the main power terminal in the fuse box (large black wire). (See *Fig. 3-16.*) Cover the wires with the black splitloom.
- t. Route the small four wire harness across the firewall to the factory computer.

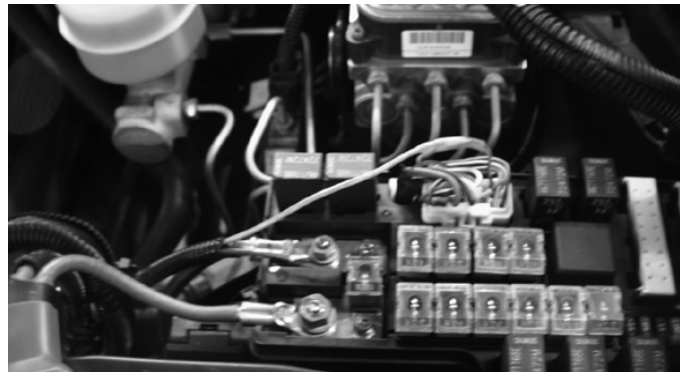


Fig. 3-16

*******DURANGO ONLY*******

Engine Management installation, please refer to assembly drawing #1017718. This shows the pin locations and correct connector on the factory ECM. Mount Paxton's Engine Control Unit to the cover of the power distribution box in the engine compartment. Route the 8-wire harness across the firewall of the engine compartment to the factory ECM. Locate the black connector on the ECM and strip back enough of the factory tape and split loom to allow locating the pins and colored wires in the factory harness. Make your cuts in the harness approximately 2" to 3" from the plug to the ECM. This allows working room to make the connection from the Paxton supplied Engine Management Unit to the factory ECM. (Although Paxton supplies 8 butt connectors in the kit to make the connections between the Engine Control Unit and the ECM we recommend you solder the connection in place of the supplied connectors, assuring a good connection.) If you use the connectors, be sure to carefully crimp them to make a good connection.

- u. Route the injector harness straight across and over the engine. Connect to the two injectors in the discharge tube.
- v. Re-install the fan shroud and re-connect all electrical connections. Install the supplied 90° rubber elbow on the washer pump discharge port nearest the dual idler pulley. Re-connect the remaining pump as stock. (See *Fig. 3-17.*)



Fig. 3-17

- y. Install the air intake assembly. Connect the "S" shaped hose to the small hose barb. Connect the compressor bypass to the larger hose barb and secure.
- z. Refill the radiator with coolant.
Congratulations - you are done.

Section 4

FINAL CHECK OUT AND START UP

This section covers pre-start checks and inspections, as well as initial start-up.

4.1 ***INSPECT THE FOLLOWING:***

- a. Wires, harnesses and electrical connections. Are all items properly dressed, connected and secured? If any electrical connections have been dis-connected, re-connect them before you start your vehicle.
- b. Hoses, lines and fittings. Are all items properly dressed, connected and secured?
- c. Fasteners, brackets, and clamps. Are all items properly installed and tightened?
- d. Fluid levels. Is the radiator coolant and the engine oil at their proper levels? Are there any fluid leaks?
- e. Belt(s). Is the serpentine drive belt (or accessory drive and supercharger drive belts, depending on the requirement of your vehicle) properly installed, aligned and tensioned?

4.2 ***Perform the following:***

- a. Cycle the ignition key from “off “ to “on” position three (3) times at fifteen (15) second intervals. Afterwards, check the entire fuel system for any leaks.
- b. Start the car. Verify that the oil pressure is within the normal operating range. Listen closely. The engine should idle and sound the same as it did before you began the installation. Shutdown the engine, disconnect the oil feed line from the blower. Remove the oil jet from the blower. Blow through the oil jet to ensure there is no blockage or foreign matter plugging it. Re-install oil jet and oil feed line and proceed.
- c. Allow the engine to come to normal operating temperatures. Bleed the cooling system and top off as necessary.

4.2 ***Check for the following:***

- a. Fuel leaks
- b. Fluid leaks
- c. Belt slippage
- d. Throttle response

*******CAUTION*******

See the supercharger service manual included in your kit for information on supercharger servicing and maintenance, belt tightening, troubleshooting, special tuning, and warranty information.

Now that the work is done, it's time to enjoy your labor of love. Take the car out on the road and let it flex it's muscles, but remember, the response and performance will now be different from that to which you have been accustomed. Have fun!

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Appendix

APPENDIX INDEX

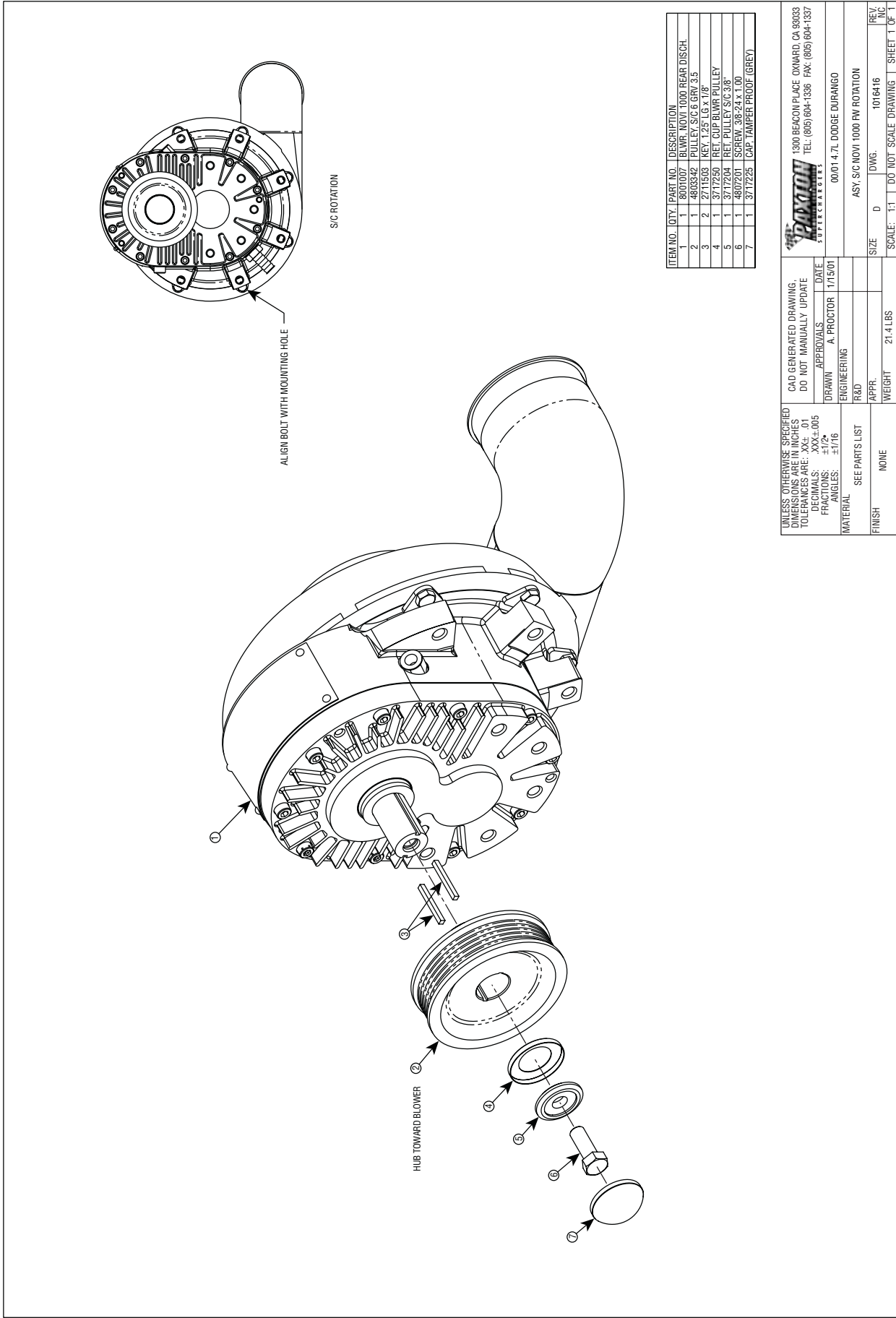
APPENDIX NO.	Pg.	PART NO.	DESCRIPTION
1	A-3	1201216	KIT CONTENTS
2	A-4	1016416	ASY, S/C NOVI 1000 FORWARD ROTATION
3	A-5	1016623	ASY, S/C MTG BRKT
4	A-6	1015934	ASY, AIR INTAKE
5	A-7	1017416	ASY, BELT TENSIONER
6	A-8	1019342	ASY, S/C OIL FEED HOSE
7	A-9	1019343	ASY, S/C OIL DRAIN HOSE
8	A-10	1020116	ASY, AIR DISCHARGE WITH FUEL INJECTION
9	A-11	1020217	ASY, HEATER HOSE RELOCATION
10	A-12	1015511	ASY, COMPRESSION BYPASS
11	A-13	1020216	ASY, CRUISE CONTROL RELOCATION
12	A-14	1017718	ENGINE MANAGEMENT WIRING DIAGRAM
13	A-15	1020218	ASY, WASHER HOSE MODIFICATION

Kit Contents

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	1016416	ASY, S/C INV/1 1000 FORWARD ROTATION
2	1	1016623	ASY, S/C M/TG BRKT
3	1	1015834	ASY, AIR INTAKE
4	1	1017416	ASY, BELT TENSIONER
5	1	1019342	ASY, S/C OIL SUPPLY HOSE
6	1	1019343	ASY, S/C OIL RETURN HOSE
7	1	1020116	ASY, AIR DISCHARGE WITH FUEL INJECTION
8	1	1020217	ASY, HEATER HOSE RELOCATON
9	1	1212616	ASY, COMPRESSOR BYPASS
10	1	1020216	ASY, CRUISE CONTROL RELOCATON
11	1	1017718	ENGINE MANAGEMENT
12	1	1020218	ASY, WASHER HOSE MODIFICATION
13	1	4809632	BOOKLET, INSTRUCTION
14	1	4813001	DECAL, FUEL CAP 32 OCTANE FUEL ONLY
15	1	4813002	DECAL, GAUGE PANEL "SUPERCHARGED ENGINE"
16	20	4821700	WRAP, NYLON TIE 5.50' LG

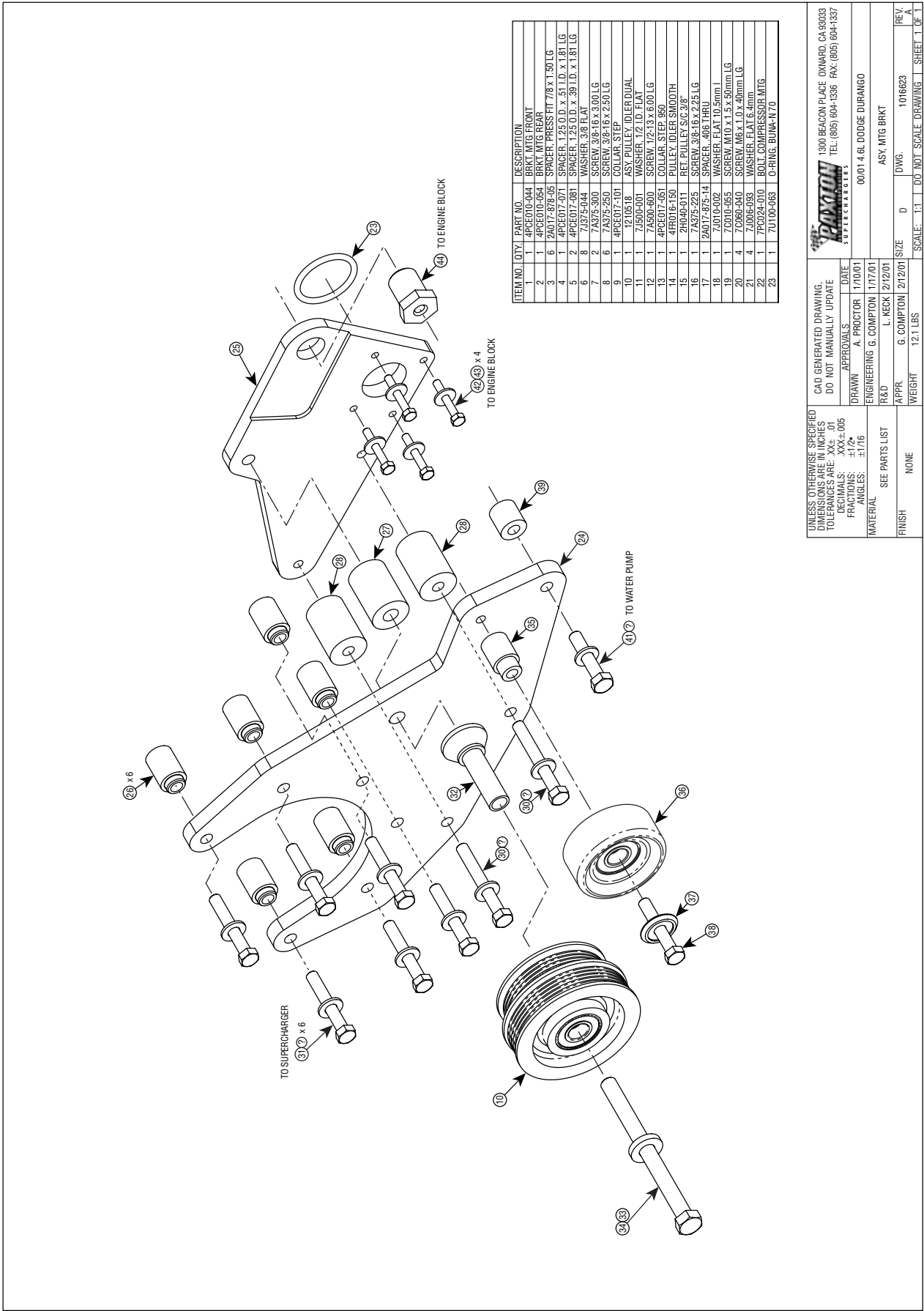
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: XX: .01 TECHNICALS: XX: .005 FINISHES: XX: ANGLES: ±1/16		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		1300 BEACON PLACE OXNARD, CA 93033 TEL: (805) 604-1336 FAX: (805) 604-1337	
DRAWN: G. COMPTON		DATE: 1/16/01		2000/2001 4.7L DODGE DURANGO	
APPROVALS:		ENGINEERING		KIT, 2000/2001 4.7L DODGE DURANGO	
T&D		APPR.		SIZE B DWG. 1201216	
MATERIAL SEE PARTS LIST		WEIGHT 21.4 LBS		SCALE: 1:1 DO NOT SCALE DRAWING SHEET 1 OF 1	
FINISH NONE				REV. 1	

Appendix 1



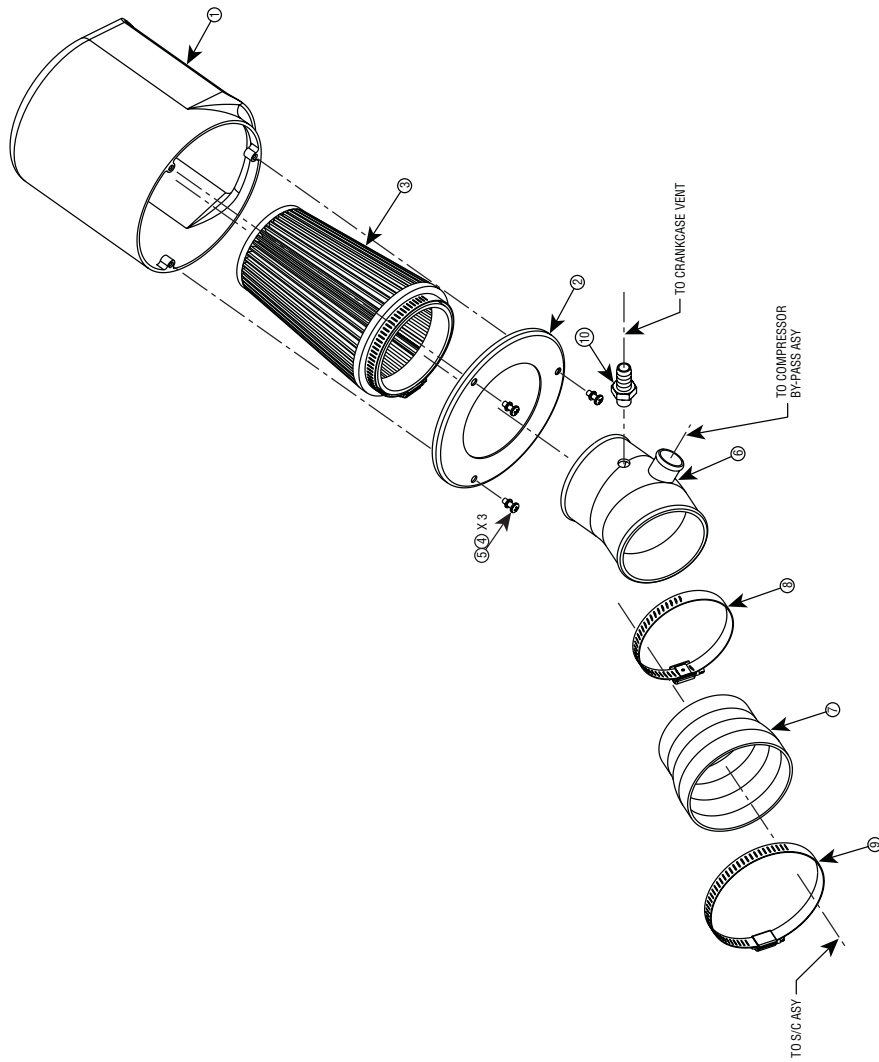
P/N: 4809632
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 25SEP02 v1.0 Dodge Durango(4809632v1.0)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: XX±.01 DECIMALS: .XXX±.005 FRACTIONS: ±1/2 ANGLES: ±1/16		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		DATE: 1/15/01	
DRAWN: A. PROCTOR		APPROVALS:		REV. INC	
ENGINEERING: R&D		SCALE: 1:1		DO NOT SCALE DRAWING	
MATERIAL: SEE PARTS LIST		FINISH: NONE		WEIGHT: 21.4 LBS	
SIZE: D		DWG. NO: 1016416		REV. INC	
00/01 4.7L DODGE DURANGO		ASY, SC NOV1 1000 RW ROTATION		SCALE: 1:1	
Paxton SUPERCARBETTS		1300 BEACON PLACE, OWENSDALE, CA 95033		TEL: (805) 604-1336 FAX: (805) 604-1337	
SHEET 1 OF 1					



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	4PC010-044	BRKT, MTG FRONT
2	1	4PC010-054	BRKT, MTG REAR
3	6	2A017-878-05	SPACER, PRESS FIT 7/8 x 1.50 LG
4	1	4PC017-071	SPACER, 1.25 O.D. x .51 I.D. x 1.81 LG
5	2	4PC017-081	SPACER, 1.25 O.D. x .39 I.D. x 1.81 LG
6	8	7375-044	WASHER, 3/8 FLAT
7	2	7375-300	SCREW, 3/8-16 x 3.00 LG
8	6	7A375-250	SCREW, 3/8-16 x 2.50 LG
9	1	4PC017-101	COLLAR, STEP
10	1	7067-016	WASHER, 1/2 FLAT
11	1	7A500-600	SCREW, 1/2-13 x 6.00 LG
12	1	4PC017-081	COLLAR, STEP 850
13	1	4PC017-081	COLLAR, STEP 850
14	1	2H040-011	RET PULLEY, S/C 3/8"
15	1	7A375-225	SCREW, 3/8-16 x 2.25 LG
16	1	2A017-875-14	SPACER, .406 THRU
17	1	2A010-002	WASHER, FLAT 10.5mm I
18	1	7C010-055	SCREW, M10 x 1.5 x 50mm LG
19	4	7C060-040	SCREW, M6 x 1.0 x 40mm LG
20	4	7J006-093	WASHER, FLAT 6.4mm
21	1	7PC024-010	BOLT, COMPRESSOR, MTG
22	1	7U100-083	O-RING, BJMA-N70
23	1	7U100-083	O-RING, BJMA-N70

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: .XX±.01 DECIMALS: .XX±.005 FRACTIONS: ±1/4 ANGLES: ±1/16		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	
DRAWN: A. PROCTOR		DATE: 1/10/01	
APPROVALS: ENGINEERING G. COMPTON		1/17/01	
MATERIAL: SEE PARTS LIST		R&D: L. KECK 2/12/01	
FINISH: NONE		APPR: G. COMPTON 2/12/01	
WEIGHT: 12.1 LBS		SCALE: 1:1 DO NOT SCALE DRAWING	
SHEET 1 OF 1		REV: 1016623	
DRAWING: ASY, MTG BRKT		PART NO: 600146L DODGE DURANGO	
1300 BEACON PLACE OXNARD, CA 93033 TEL: (805) 604-1336 FAX: (805) 604-1337 SUBCOMPONENTS			



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	8001997-1	HSG. FILTER MODIFIED
2	1	8002105	RING, FILTER RETAINER
3	1	4809802	FILTER, AIR HIGH FLOW
4	3	2171001	WASHER, #10 INT LOCK
5	3	4828800	SCREW, PAN HD, 10-24UNC-2A X .38LG.
6	1	2151008	O-RING, 1.75 X 1.75 X .100
7	1	2151008	O-RING, 1.75 X 1.75 X .100
8	1	1053410	CLAMP HOSE #64
9	1	1053430	CLAMP HOSE #64
10	1	2755500	FTG. NIPPLE 1/2 HOSE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES
TOLERANCES ARE: XX.XX ±.01
DECIMALS: .XXX ±.005
FRACTIONS: ±1/2"
ANGLES: ±1/16

CAD GENERATED DRAWING
DO NOT MANUALLY UPDATE

DATE: 1/10/01
DRAWN: A. PROCTOR
APPROVED: R&D

ENGINEERING: SEE PARTS LIST
FINISH: NONE

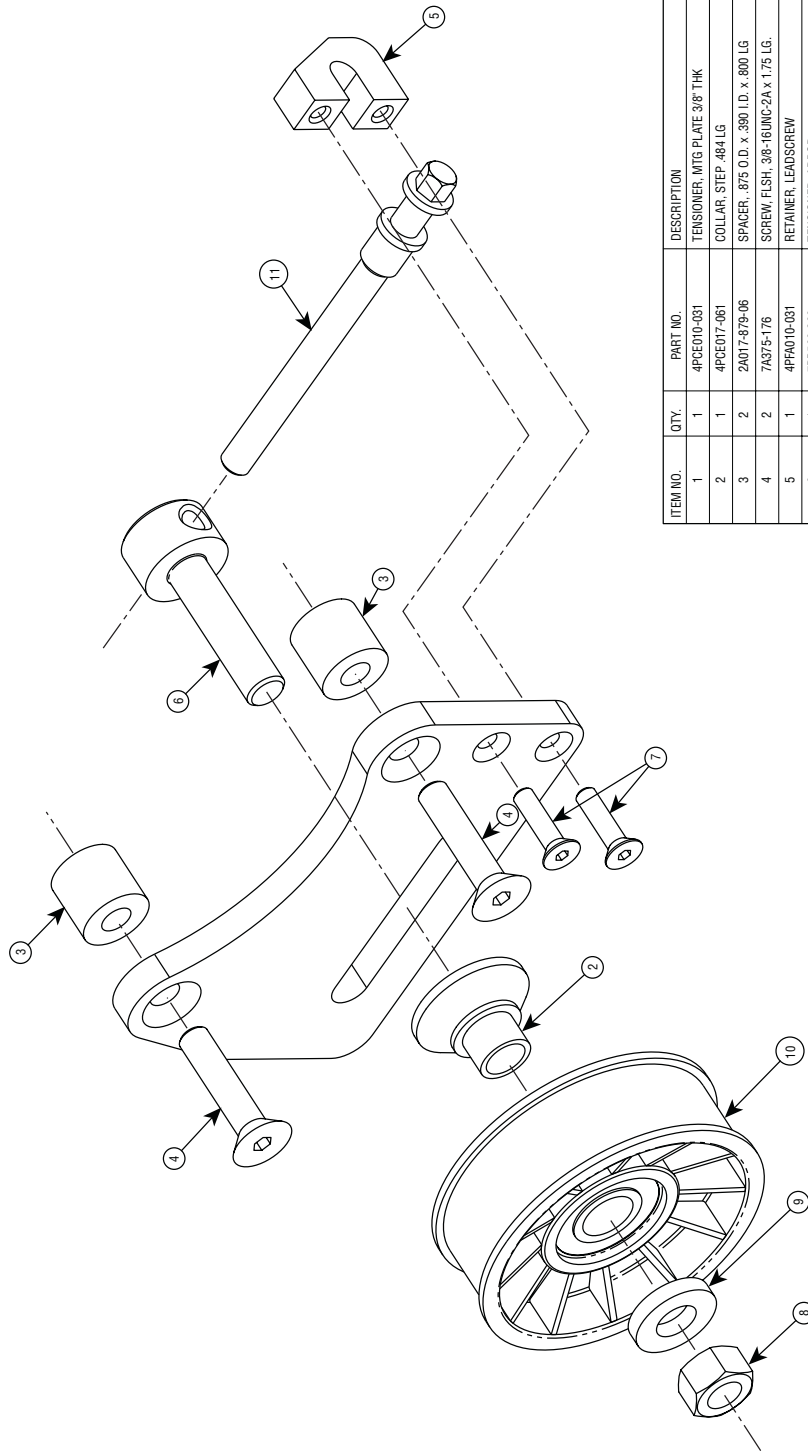
WEIGHT: 3.8 LBS
APPR: 1015384

SCALE: 1:2 DO NOT SCALE DRAWING

REV: INC
SHEET 1 OF 1

00/01 4.7L DODGE
ASY, AIR INTAKE

300 BEACON PLACE, OXNARD, CA 93033
TEL: (805) 604-1336 FAX: (805) 604-1337
PAXTON
SUPERCHARGERS



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	4PCE010-031	TENSIONER, MITG PLATE 3/8" THK
2	1	4PCE017-061	COLLAR, STEP, .484 LG
3	2	2A017-879-06	SPACER, .875 O.D. x .390 I.D. x .800 LG
4	2	7A375-176	SCREW, FLSH, 3/8-16UNC-2A x 1.75 LG.
5	1	4PFA010-031	RETAINER, LEADSCREW
6	1	7PB500-200	TENSIONER, ARBOR
7	2	7A250-100	SCREW, FLSH, 1/4-20UNC-2A x 1.00 LG.
8	1	7F500-025	NUT, 1/2"-20UNF-2B
9	1	7J500-001	WASHER, 1/2" HEAVY
10	1	4FA016-150	IDLER, PLASTIC, 6 GRV, SMOOTH
11	1	7PA375-500	LEADSCREW
12	1	2A046-305	BELT, 6 GRV

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DO NOT MANUALLY UPDATE

CAD GENERATED DRAWING.
DO NOT MANUALLY UPDATE

DECIMALS: .XXX-.005
FRACTIONS: 1/16
ANGLES: ±1/16

APPROVALS: DATE
DRAWN: A. PROCTOR 11/29/00
ENGINEERING: G. COMPTON 1/18/01
R&D: L. KECK 2/7/20

SEE PARTS LIST

FINISH: NONE

WEIGHT: 2.0 LBS

SCALE: 1:1

SIZE: C

DWG: 1017416

REV: 1017416

SHEET 1 OF 1

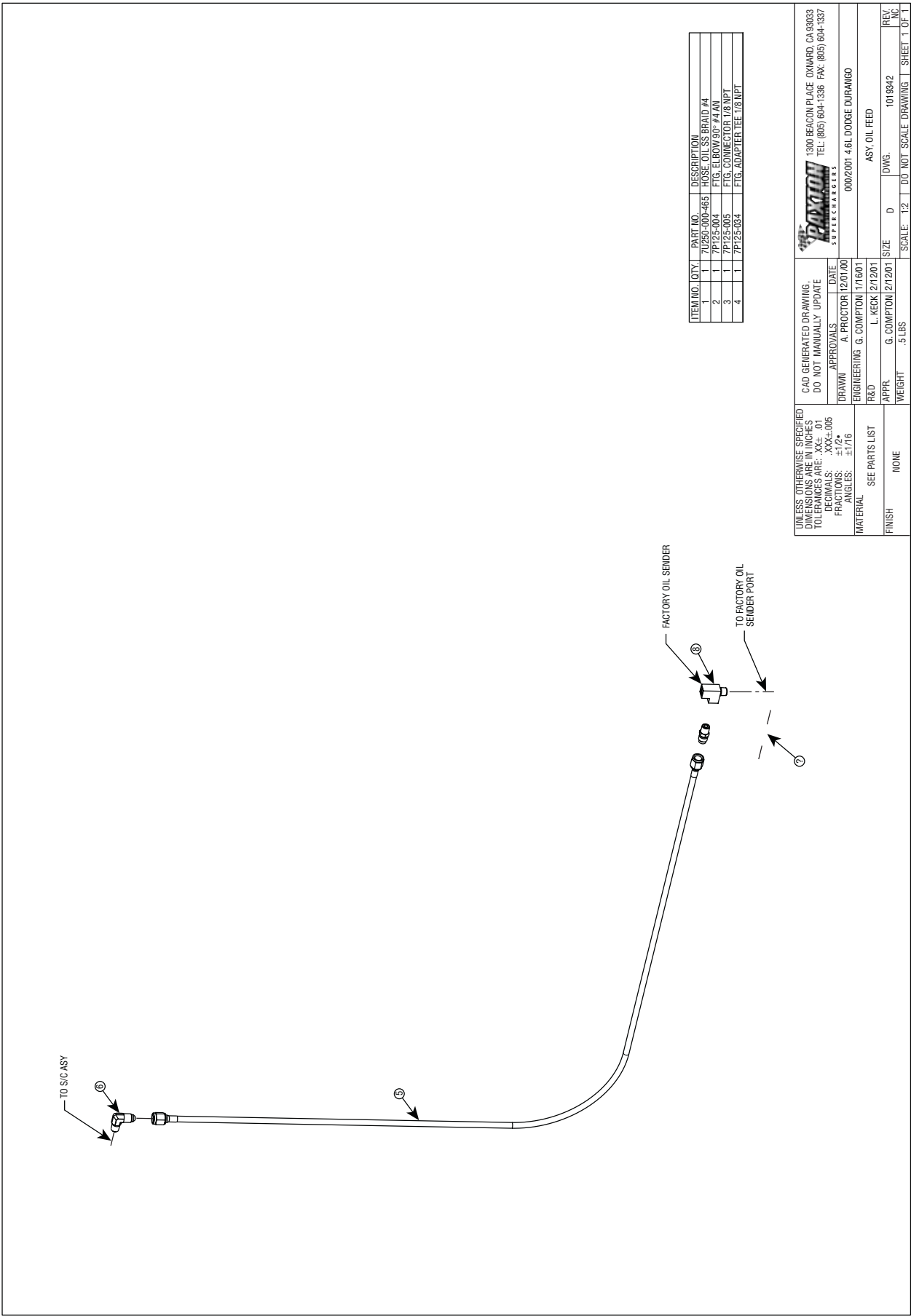
200022001 4.7L DODGE DURANGO
ASSEMBLY BELT TENSIONER

1300 BEACON PLACE, OXNARD, CA 93033
TEL: (805) 604-1336 FAX: (805) 604-1337

PAXTON
AUTOMOTIVE
SUBSIDIARIES

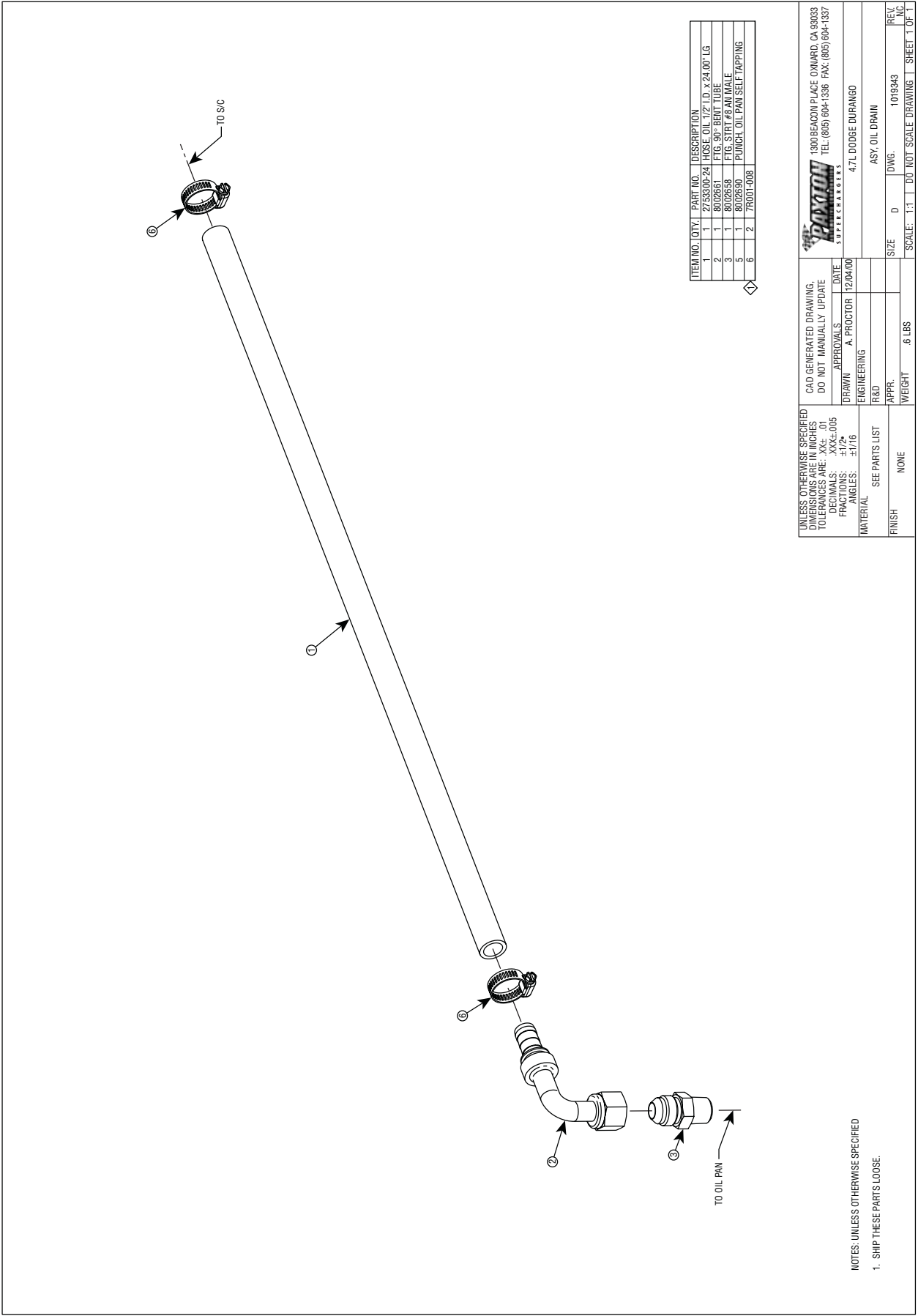
NOTES: UNLESS OTHERWISE SPECIFIED
1. THESE PARTS SHIP LOOSE.

Appendix 5



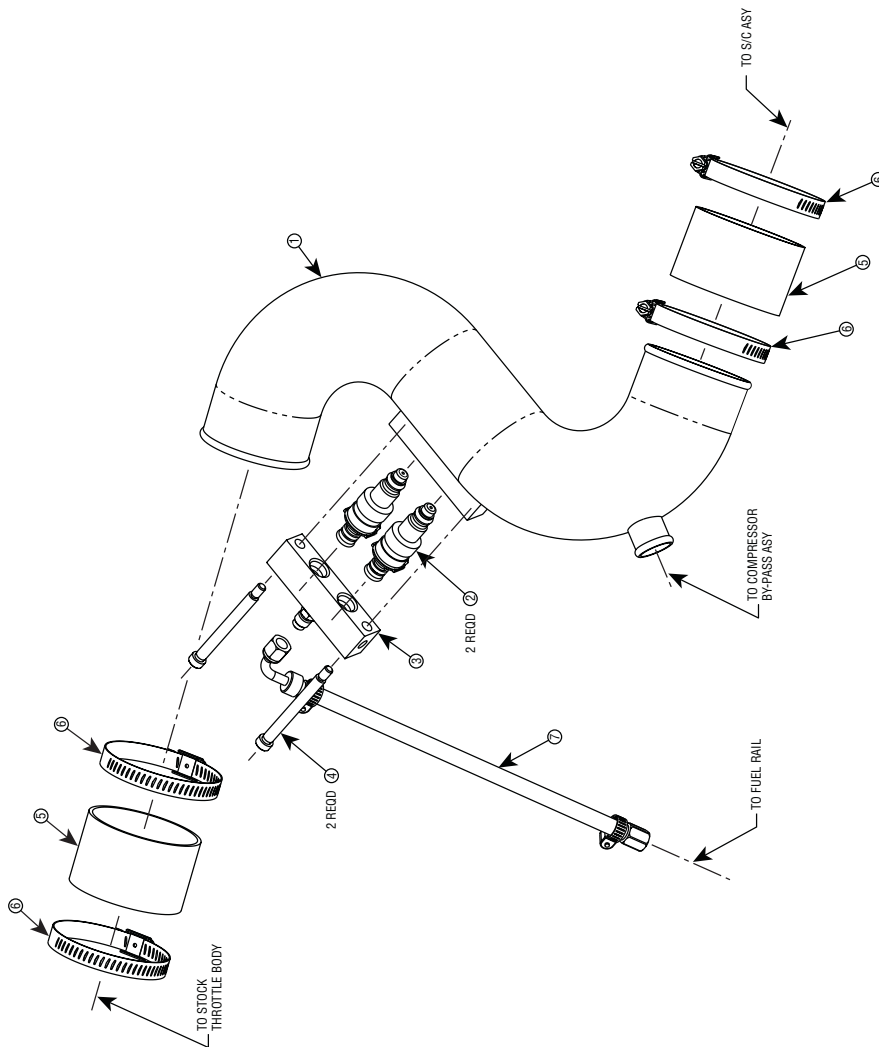
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	7U250-000-465	HOSE OIL SS BRAID #4
2	1	7P125-004	FTG. ELBOW 90° #4 AN
3	1	7P125-005	FTG. CONNECTOR 1/8 NPT
4	1	7P125-034	FTG. ADAPTER TEE 1/8 NPT

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: .XX: .01 DECIMALS: .XXX: .005 FRACTIONS: ±1/2 ANGLES: ±1/16		CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE	
MATERIAL: SEE PARTS LIST		DATE: 12/01/00	
FINISH: NONE		DRAWN: A. PROCTOR	
WEIGHT: .5 LBS		APPROVALS: G. COMPTON 1/16/01	
SCALE: 1:2		L. KECK 2/7/201	
REV. NO. 1019342		DWG. D	
SHEET 1 OF 1		DO NOT SCALE DRAWING	
 1300 BEACON PLACE, OXNARD, CA 93033 TEL: (805) 604-1336 FAX: (805) 604-1337			
0002001 4.6L DODGE DURANGO			
ASY. OIL FEED			



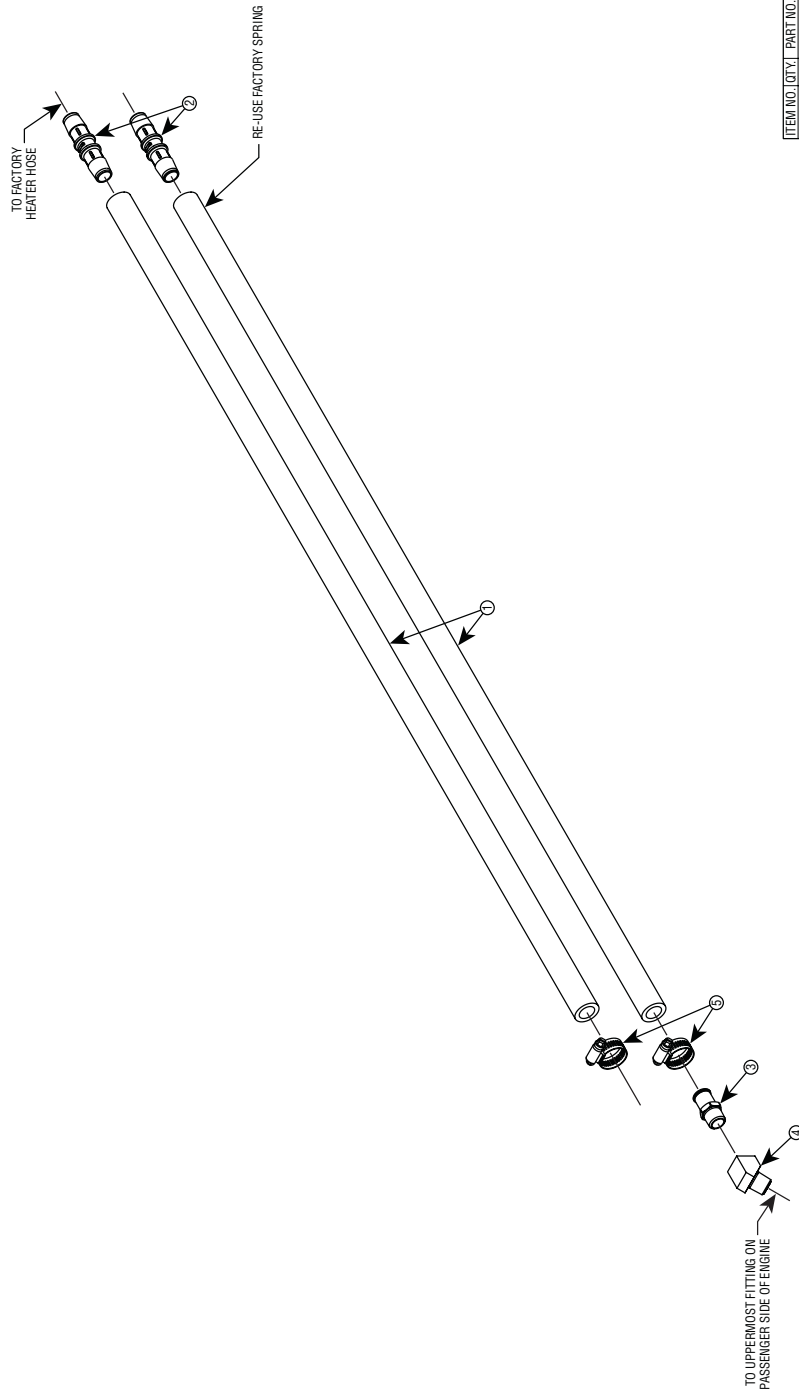
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: .XX: .01 FRACTIONS: ±1/32 ANGLES: ±1/16		CAD GENERATED DRAWING; DO NOT MANUALLY UPDATE		1300 BEACON PLACE DOWARD, CA 93033 TEL: (805) 604-1336 FAX: (805) 604-1337	
DRAWN: A. PROCTOR		DATE: 12/04/00		PAXTON SUPERMARKETS	
MATERIAL: SEE PARTS LIST		ENGINEERING		47L DODGE DURANGO	
FINISH: NONE		R&D		ASY OIL DRAIN	
APPR.:		WEIGHT: .6 LBS		SCALE: 1:1 DO NOT SCALE DRAWING	
SIZE: D		DWG.:		REV.:	
		1019343		MVC	
				SHEET 1 OF 1	

NOTES: UNLESS OTHERWISE SPECIFIED
1. SHIP THESE PARTS LOOSE



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	4PCE012-031	TUBE, AIR DISCHARGE
2	2	8F060-042	INJECTOR, FUEL 42LB
3	1	1016044	ASY, FUEL LOG
4	2	7PA250-275	SCREW, SHLD SOC HD, 1/4-20UNC-2A
5	2	7PS300-200	HOSE, TURBO, 3.00 O.D. X 2.00 LG.
6	4	7R002-088	CLAMP, HOSE #48
7	1	1018813	ASY, FUEL LINE

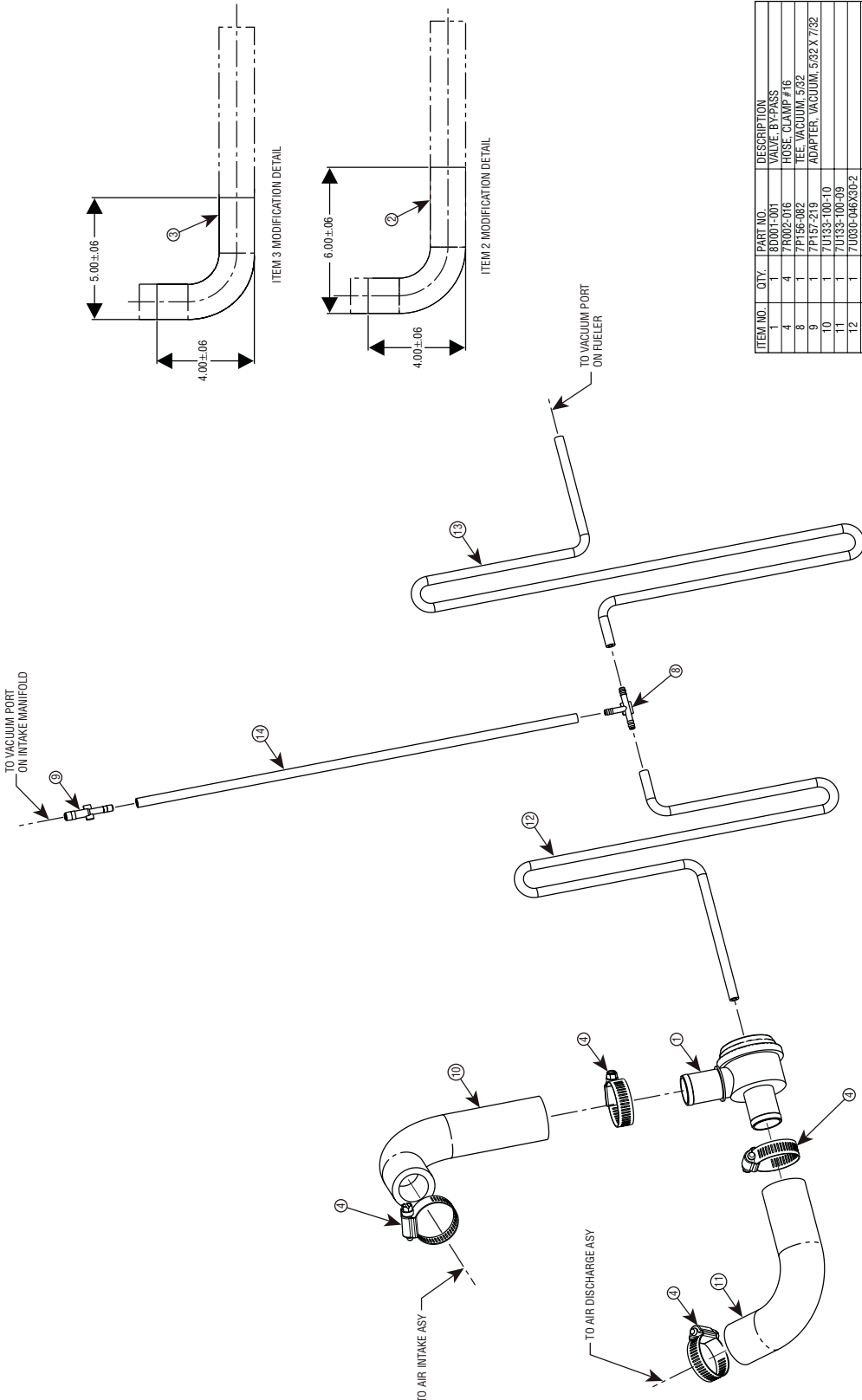
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: .XX±.01 DECIMALS: .XXX±.005 FRACTIONS: ±1/2 ANGLES: ±1/16		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		1300 BEACON PLACE DUNBAR, CA 95033 TEL: (805) 604-1336 FAX: (805) 604-1337	
DRAWN: A. PROCTOR 1/10/01		DATE: 1/10/01		PAXTON SUPERCHARGERS	
APPROVALS:		ENGINEERING: G. COMPTON 2/12/01		00/01 471 DODGE DURANGO	
R&D: L. KECK		APP: G. COMPTON 2/12/01		ASY, AIR DISCHARGE w/FUEL ENRICHMENT	
MATERIAL: SEE PARTS LIST		FINISH: NONE		DWG. NO: 1020116	
WEIGHT: 2.6 LBS		SCALE: 1:1.5		REV. A	
				DO NOT SCALE DRAWING 1 SHEET 1 OF 1	



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	2	3882110-01	CLAMP, 1/8" x 1/2" LG
2	2	8001641	COUPLING, INLINE HOSE
3	1	8002833	FIG. WITH 6.8" x 3.8"
4	1	3886401	FIG. 46" STREET ELBOW
5	2	1048860	CLAMP, HOSE #10

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: XX.XX-.01 DECIMALS: .XX-.05 FRACTIONS: ±1/2" ANGLES: ±1/16		CAD GENERATED DRAWING DO NOT MANUALLY UPDATE	
DRAWN: A. PROCTOR		DATE: 12/01/00	
R&D		ENGINEERING	
APPR:		SIZE: D	
WEIGHT: 1.8 LBS		DWG: 1020217	
FINISH: NONE		SCALE: 1:1 DO NOT SCALE DRAWING	
SEE PARTS LIST		ASY. HEATER HOSE RELOCATION	
MATERIAL:		2000/2001 4.7L DODGE DURANGO	
PAXTON		1300 BEACON PLACE OXNARD, CA 93033	
SUPERFLEX		TEL: (805) 694-1336 FAX: (805) 694-1337	
REV: MC		SHEET 1 OF 1	

Appendix 9



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	8D001-001	VALVE, BY-PASS
4	4	7-FR002-016	HOSE, CLAMP #16
8	1	7-PF156-082	TEE, VACUUM, 5/32
9	1	7-PF157-219	ADAPTER, VACUUM, 5/32 X 7/32
10	1	7U133-100-10	
11	1	7U133-100-09	
12	1	7U090-046X30-2	
13	1	7U090-046X36	
14	1	7U090-046X15	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE: .XX: .01
FRACTIONS: ±.005
ANGLES: ±1/16

CAD GENERATED DRAWING,
DO NOT MANUALLY UPDATE

APPROVALS: DATE: 4/18/01

DRAWN: G. COMPTON
ENGINEERING

R&D
APPR.

FINISH: NONE

WEIGHT: 4.3 LBS

SCALE: 5:8

SIZE: D

DWG. NO.: 1015511

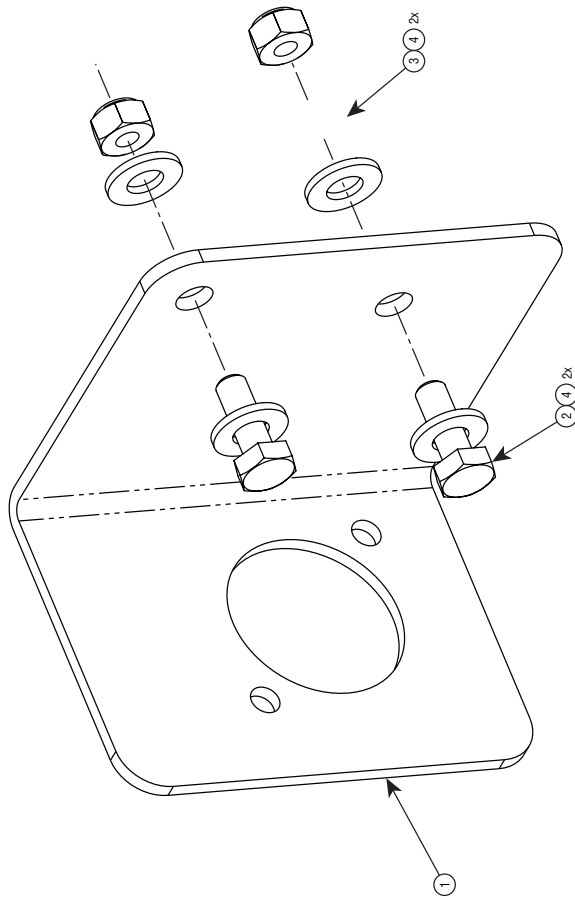
DO NOT SCALE DRAWING

SHEET 1 OF 1

REF. NO.

00014.7L DODGE DURANGO/RT
ASY, COMPRESSOR BY-PASS

1300 BEACON PLACE OXNARD, CA 93033
TEL: (805) 604-1336 FAX: (805) 604-1337
PAXTON SUPERCARBURETORS

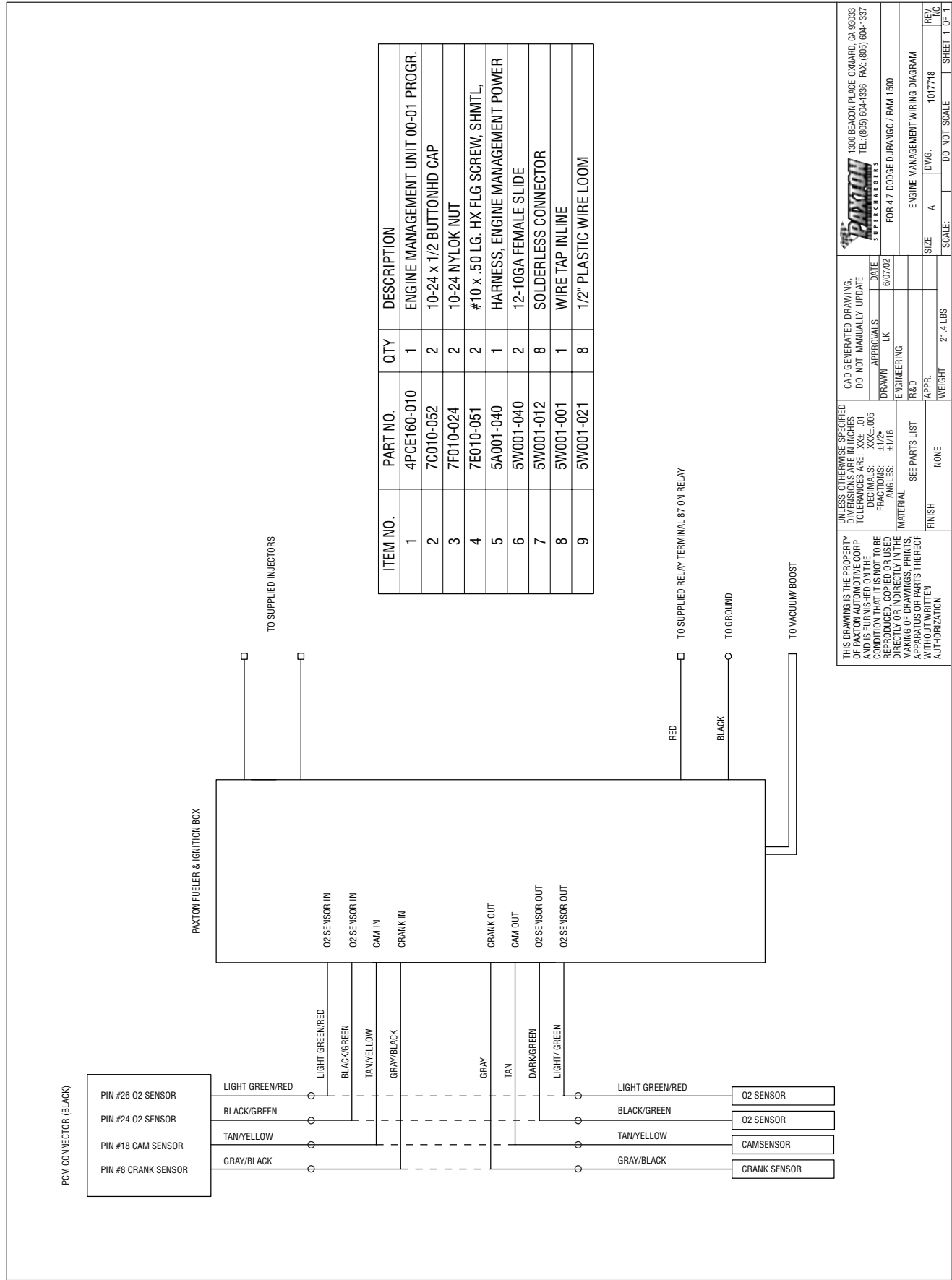


ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	4PC010-080	BRKT, MTE, CRUISE CONTROL
2	2	7A250-074	SCREW, HXHD, 1/4-20UNC-2A X .75 LG., STEEL GR5
3	2	7F250-021	NUT, HXHD, 1/4-20UNC-2B STEEL GR5 WITH NYLON
4	4	7J250-022	WASHER, 1/4 FLAT SAE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: XX: .01 DECIMALS: .XXX: .005 FRACTIONS: ±1/2 ANGLES: ±1/16		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	
MATERIAL SEE PARTS LIST		DATE	2000/2001 4.7L DODGE DURANGO
FINISH NONE		APPROVALS	ASSEMBLY CONTROL RELOCATION
		ENGINEERING G. COMPTON	10/4/01
		DRWN A. PROCTOR	8/14/01
		R&D L. NECK	2/12/01
		APPR. G. COMPTON	2/12/01
		WEIGHT .3 LBS	SCALE: 1.5:1 DO NOT SCALE DRAWING SHEET 1 OF 1

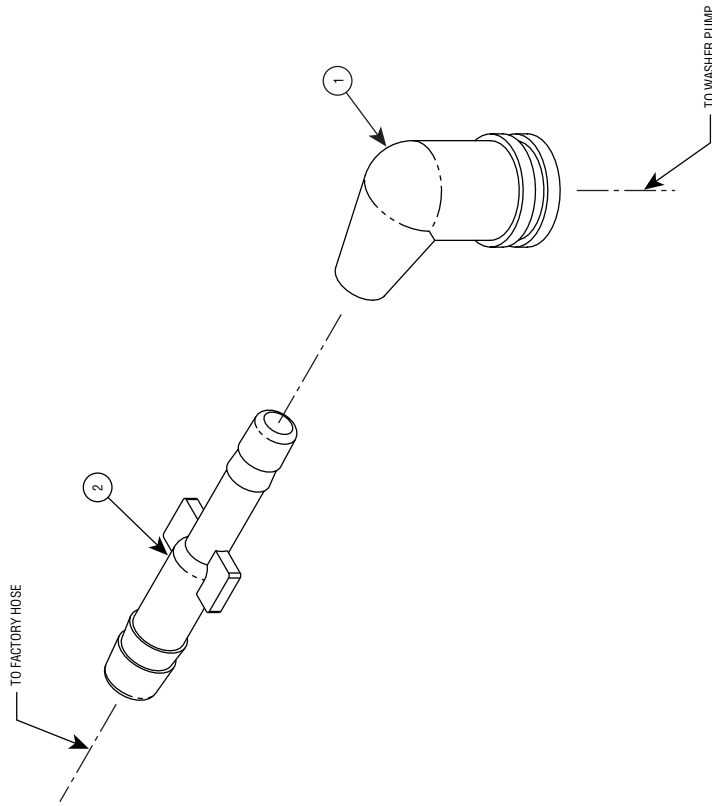


1300 BEACON PLACE DIXMARD, CA 93033
 TEL: (805) 604-1336 FAX: (805) 604-1337



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	MATERIAL: SEE PARTS LIST FINISH: NONE	DRAWN: LK DATE: 6/07/02 APPROVALS:	FOR 4.7 DODGE DURANGO / RAM 1500 ENGINE MANAGEMENT WIRING DIAGRAM
R&D: ENGINEERING APPR:	WEIGHT: 21.4 LBS	SCALE:	DO NOT SCALE

Appendix 12



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	7U125-010	FTG. WASHER PUMP
2	1	7P157-219	FTG. ADAPTER. 532-732

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: .XX±.01 DECIMALS: .XXX±.005 FRACTIONS: ±1/2" ANGLES: ±1/16		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		1300 BEACON PLACE OXNARD, CA 93033 TEL: (805) 604-1336 FAX: (805) 604-1337	
DRAWN	APPROVALS	DATE	PAXTON SUPTECHNOLOGIES		
R&D	G. COMPTON	1/16/01	00/01 4.7L DODGE DURANGO		
ENGINEERING	G. COMPTON	1/16/01	00/01 4.7L DODGE DURANGO		
APP'R	L. KECK	2/12/01	ASY. WASHER HOSE MODIFICATION		
FINISH	NONE	SEE PARTS LIST	SIZE	B	REV. A
WEIGHT	.01 LBS		SCALE	2:1	DO NOT SCALE DRAWING
					SHEET 1 OF 1

Appendix 13



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