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FOREWORD

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 call Vortech Engineering for installers in your area.

STOP

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 Vortech Engineering for possible installers in your area.

- 2. This product was designed for use on stock (*un-modified, OEM*) vehicles. The PCM (*computer*), 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 Vortech 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. Vortech is not responsible for any clutch, transmission, drive-line or engine damage.

Exclusions from Vortech 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 Vortech components with other modifications such as, but not limited to, exhaust headers, aftermarket camshafts, nitrous oxide, third party PCM programming or other such changes.

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1994-1995 FORD 5.0L MUSTANG

Installation Instructions

50 State Smog Legal, as per CARB EO #D-213-17

Congratulations on selecting the best performing and best backed automotive supercharger available today... the VORTECH® V-2® Supercharger!

Before beginning this installation, please read through this entire instruction booklet and the Street Supercharger System Owner's Manual which includes the Limited Warranty Program, the Warranty Registration form and return envelope.

Vortech supercharger systems are performance improving devices. In most cases, increases in torque of 30 - 35% and horsepower between 35 - 45% can be expected with the boost levels specified by Vortech Engineering. 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 as well as the supercharger. Vortech Engineering is not responsible for engine damage.

Installation on new vehicles 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 92 octane or higher (R+M/2).
- 2. The engine must have stock compression ratio.
- 3. If the engine has been modified in any way, check with Vortech prior to using this product.
- 4. Always listen for any sign of detonation (pinging) and discontinue hard use (no boost) until the problem is resolved.
- 5. Perform an oil and filter change upon completion of this installation and prior to test driving your vehicle. Thereafter, always use a high grade SF rated engine oil or a high quality synthetic, and change the oil and filter every 3,000 miles or less. Never attempt to extend the oil change interval beyond 3,000 miles, regardless of oil manufacturer's claims as potential damage to the supercharger may result.
- 6. Before beginning installation, replace all spark plugs that are older than 1 year or 10,000 miles with original heat range plugs as specified by the manufacturer and reset timing to factory specifications (follow the procedures indicated within the factory repair manual and/or as indicated on the factory underhood emissions tag). Do not use platinum spark plugs unless they are original equipment. Change spark plugs every at least 15,000 miles and spark plug wires at least every 50,000 miles.

TOOL & SUPPLY REQUIREMENTS

- Factory Repair Manual
- Timing light
- 3/8" Socket and Drive Set: SAE and metric
- 1/2" Socket and Drive Set: SAE and metric
- 3/8" and 1/2" Breaker Bars, 4" Extension
- 3/8"NPT Tap, 3/8-16 Tap and Handle
- Adjustable Wrench
- Open End Wrenches: 3/8", 7/16", 1/2", 9/16"
- "Slimline" 19mm Snap-On #LTAM1719 or Craftsman 3/4" Tappet Wrench #44474
- Center Punch and a 5/8" Tapered Punch
- Large Screwdriver or Pry Bar
- Flat #2 Screwdriver
- Phillips #2 Screwdriver
- Heavy Grease
- Silicone Sealer
- Drill Motor
- 3/32", or 5/16", 7/16" Drill Bits
- #45 Torx Bit

- 1-1/16" Oil Sending Unit Socket
- Ford Springlock 3/8" Fuel Fitting Disconnect Tool or Lisle A/C and Fuel Disconnect Tool Set #37000
- Lisle Door Upholstery Remover #35400 (Lisle tools available at Sears or Trak Auto)
- 5 Quarts SF Rated Quality Engine Oil
- Oil Filter and Wrench



If your vehicle has in excess of 10,000 miles since its last spark plug change, then you will also need:

- Spark plug socket
- NEW spark plugs

VORTECH/® Engineering, LLC

1994-95 High Output Mustang Part No. 4FG218-020SQ

PARTS LIST

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

2E32-110 V-2 SUPERCHARGER ASSEMBLY 1 4F011-201 MOUNTING BRACET ASSEMBLY 1 77002-044 #4H COBE CLAMPS 2 4F011-021 MOUNTING BRACET ASSEMBLY 1 77002-044 #4H COBE CLAMPS 2 4F011-021 MOUNTING BRACET ASSEMBLY 1 77002-044 #4H COBE CLAMPS 2 4F011-021 MOUNTING BRACET ASSEMBLY 1 77002-045 #1H COBE CLAMPS 2 4F011-021 ALTERMATOR STAT 1 77002-046 #527 SELEVE 1 4F011-021 ALTERMATOR STAT 1 770040 387 MESD FLAT WASHER 2 71004-046 #11 ASSEMBLY 1 7737-010 387 10 KUTS 3 3001-016 1 7.3 ST-107 1 1 7.3 ST-107 1 1 7.3 ST-107 1	PART NUMBER	DESCRIPTION	QUANTITY	PART NUMBER	DESCRIPTION	QUANTITY
4F911421 MOUNTING BRACKET ASSEMBLY 1 77002-044 P4 HOSE CLAMPS 2 4F0011623 MOUNTING BRACKET 1 77032-000 2************************************	2E328-110	V-2 SUPERCHARGER ASSEMBLY	1	4FG112-030	DISCHARGE ASSEMBLY	1
Here Grave Development of the second structure TR002-048 Apple Development of the second structure TR002-048	4EC111 021	MOUNTING PRACKET ASSEMBLY	4	7R002-044	#44 HOSE CLAMPS	2
##E0160033 AUGUNTING PATE 1 72272800 2.38 /r 22 BEUK 1 #F0015013 ALTERNATOR STAY 1 7527800 2.36 /r 22 BEUK 1 #F0015013 ALTERNATOR STAY 1 752602 357 EEE 1 #7315107 36 /r 190,TS S 9 8000-001 BYAAS XAUKE 1 #7315107 36 /r 100,TS S 1 7000-055 6' YLVIN LINES 2 #7315107 36 /r 100,WARNERS 2 7000-055 6' YLVIN LINES 2 #7315107 36 /r 100,WARNERS 2 7000-055 6' YLVIN LINES 2 #7315107 36 /r 10,WARNERS 2 7000-055 4' 4F001-031 CRAWR PULLEY 1 #7315107 38 /r 10, T10, TRANTOR STAY SPACER 4' 4F001-031 CRAWR PULLEY 1 #7315107 38 /r 10, T10, TRANTOR STAY SPACER 4' 4F001-031 CRAWR PULLEY 1 #7315107 38 /r 10, T10, TRANTOR STAY SPACER 4' 4F001-031 CRAWR PULLEY 1 #7315200 38 /r 10, T10, TRANTOR STAY SPACER 1<	4FG111-021		1	7R002-048	#48 HOSE CLAMPS	2
###G1503 ALTERNATION STATU 1 7,300,200 ************************************	4FG010-033	MOUNTING PLATE	1	7S275-200	2-3/4" x 2" SLEEVE	1
###G015423 ALTERNATION BRACKET 1 P195082 ##3550 P185082	4FG015-013	ALTERNATOR STAY	1	7\$300-200	3" x 2" SLEEVE	1
TASS-100 Task-86 tr BOTTS 9 FRUDU-101 PENDUC-101 PENDUC-101 <td>4FG015-023</td> <td>ALTERNATOR BRACKET</td> <td>1</td> <td>7P156-082</td> <td>5/32" TEE</td> <td>1</td>	4FG015-023	ALTERNATOR BRACKET	1	7P156-082	5/32" TEE	1
TRGS 440 38 MAR 06 FLAT MISSIERS 10 BUULUUP PHOTOS MULCE TL356/07 38 FLOCK WASHERS 2 TU030-046 5/22 * 35" WCUUM UNE 1 TR375-016 38 + 6 WTS 2 TU030-046 5/32 * 35" WCUUM UNE 1 TR375-016 38 + 6 WTS 2 TU034-016 1* 3.5" MCUUM UNE 1 TR375-016 UDECALWORDS TAX SPACER 4F0116-021 DECALMPP PLUEY 1 4F0117-011 ALTERNATOR STAY SPACER 4F016-021 CRANK PLUEY 1 TA375-150 38 - 6 x + 1-07 DUTS 3 4F0016-031 WTER PLAMP PLUEY 1 TA375-151 38 - 6 x + 1-07 DUTS 1 7.375-153 38 - 102 PEULS 4 TA375-152 38 - 102 PEULS 2 24046-051 ACCESSORY PEULY 1 TA375-153 38 - 102 PEULY 1 7.375-05 38 ULY 1 TA375-03 38 ULY 1 7.030-05 ULY PEULY 1 TA375-03 38 ULY 1 7.030-05 ULY PEULY 1 </td <td>7A375-100</td> <td>3/8-16 x 1" BOI TS</td> <td>9</td> <td>7R002-016</td> <td>#16 HOSE CLAMPS</td> <td>4</td>	7A375-100	3/8-16 x 1" BOI TS	9	7R002-016	#16 HOSE CLAMPS	4
7.135.075 38* LOCK WASHERS 2 7.002-016 0.102 and the constraint of the constraint o	7K375-040	3/8"AN960 FLAT WASHERS	18	8D001-001	BYPASS VALVE	1
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77437-01 716*A1 (MSHER 1 0.00000000000000000000000000000000000	7K312-001	5/16"AN WASHERS	2	4EG012-011	DISCHARGE DUCT	1
4FG017-211 ALTERNATOR STAY SPACER 1 4FOT1-427 CORAN FULLEY ASSIMILY 1 7FG017-011 LOWER ALTERNATOR STAY SPACER 1 4FO11-620 UDENATOR STAY SPACER 1 4FO11-620 UDENATOR STAY SPACER 1 7A375-126 33-16 x 1.27 POLTS 3 47A375-126 33-16 x 1.27 POLTS 4 47A375-20 33-16 x 1.27 POLTS 3 7A375-40 33-16 x 1.27 POLTS 4 47A375-40 33-16 x 4.27 POLTS 3 7A375-40 33-16 x 4.27 POLTS 4 2A448-631 ACCESSORY BELT 1 1 1 7A375-40 33-16 x 4* POLTS 2 2A448-875 SUFERCHARGER BELT 1	7K437-001	7/16"AN WASHER	1	41 0012 011		1
4H 6017421 LOWER ALLERNALOR SIM: SPACER 1 4H 6016431 LOWER ALLERNALOR SIM: SPACER 1 74375-100 38-14 7.225 2010T 1 74375-523 38*342 Washerbs 4 744372-223 78*16 + 12 2010T 1 72375-603 38*16 + 12 2010T 1 72375-603 38*16 + 10 2011 1 72375-600 38*16 + 10 2011 1 7000-005 16* 27*80/TT 1 7700-005 16* 27*0/TT 1 7700-005 16* 27*0/TT 1 7700-005 16* 27*0/TT 1 7700-005 16* 27*0/TT 1 77220-067 14*9/TT 1 77220-067 14*9/TT 1 77220-07 14*9/TT 1 77220-07 14*9/TT 1 77220-07 10*10/TT 1	4FG017-011	ALTERNATOR STAY SPACER	1	4FG116-021		1
Ar35-180 Set N + 1/2 20US 3 4*00 H280 MM ER + Unit Public 1 Ar35-175 36-16 + 1/34* BOLT 3 7.475-175 38*0.00K WASHERS 4 Ar37-225 376-64 + 2/H* BOLT 3 7.1375-0475 38*0.00K WASHERS 4 Ar37-225 376-64 + 2/H* BOLT 1 7.1375-0475 38*0.00K WASHERS 4 Ar37-2400 38-16 x* BOLT 1 7.0375-040 38-16 x* BOLT 1 Ar375-400 38-16 x* BOLT 1 7.000-050 0LFEED MASE RELT 1 Ar375-400 38-16 x* BOLT 1 7.000-060 0LFEED MASE RELT 1 Ar375-417 38-16 x* BOLT 1 7.000-060 0LFEED MASE RELT 1 Ar375-400 38-16 x* BOLT 1 7.020-066 #4.54 MALE ELDOW 1 TA375-17 38-16 x* BOLT 1 7.020-066 #4.54 MALE ELDOW 1 TA375-17 14/WHE HHEAD MAST TEE 1 7.020-066 #4.54 MALE ELDOW 1 Ar401-020 BELT TENSIONER ASCREWELY	4FG017-021	LOWER ALTERNATOR STAY SPACER	1	4FG018-031		1
PA3D-112 Set 10 X J Set 201 1 PA3D-224 Set 24 WASHERD 1 PA3D-225 WH 10 X Z W REQUT 1 22046-031 ACCESSORY BELT 1 PA3D-225 WH 10 X Z W REQUT 1 22048-75 SUPERCHARGER BELT 1 PA3D-200 SH 5 K * 100 TS 2 2048-75 SUPERCHARGER BELT 1 PA3D-200 SH 5 K * 100 TS 2 2048-75 SUPERCHARGER BELT 1 PA3D-200 SH 5 K * 100 TS 2 2048-75 SUPERCHARGER BELT 1 PA3D-200 SH 5 K * 100 TS 2 2048-75 SUPERCHARGER BELT 1 PA3D-200 SH 5 K * 100 TS 2 2048-75 SUPERCHARGER BELT 1 PA3D-200 TAT 5 SUPERCHARGER BELT T10 SUPERCHARGER BELT 1 T10 SUPERCHARGER BELT 1 PA3D-200 SH 5 K * 100 TS 3 FREET BELT 1 T10 SUPERCHARGER BELT 1 PA3D-200 Tam FLAT WASHERS 3 T2250-122 1 W PIPE THREED ALARET TELE 1 PA1D-100	7A375-150	3/8-16 x 1-1/2" BOLTS	3	4FG010-001		1
TA35-248 Set 0.8 / 2.8 BULT 3 TI 375-075 30° LOCK (MSHEE)S 4 TA375-400 T/S 16 / 6 / 180 LT 1 2404-631 ACCESSORY BELT 1 TA375-400 SM 6 / 6 / 80 LT 1 2404-631 ACCESSORY BELT 1 TA375-400 SM 6 / 6 / 80 LT 1 TV030-026 ULT CX (MSHEE)S 1 TA375-12 SM 6 / 5 / 10 LT 1 TV030-026 ULT X 20' OL FEED HOSE 1 TA375-12 SM 6 / 5 / 10 LT 1 TP250-065 H4' A47 TM ELE BOW 1 TF010-100 H2 / X 10' SHEET MELL SCREW 1 TP250-067 14' A487 TO 14' THYN 1 TA012-022 12' MPT A 1-12' MSHED MELL SCREW 1 TP250-075 14' A487 TO 14' THYN 1 TA012-022 12' MPT T 1-12' MSHED MELL SCREW 1 TP250-075 14' A488 TO 14' MPT 1 1 TA012-022 12' MPT MELL SCREW 1 TP250-075 14' MPT 1 -1' STRET ELEDOW 1 TA012-022 12' MPT MELL SCREW 1 TP250-075 14' MPT 1 -1' STRET ELEDOW	/A3/5-1/5	3/8-16 X 1-3/4" BOLT	1	7 1375 044	3/0-10 X 1.23 DULIS	4
Trays 2.00 The second sec	7A373-224	3/0-10 X 2.23 BULIS 7/16 14 x 2 1/4" POLT	3	71 375-075	3/8" LOCK WASHERS	4
TABLE 100 STIG 16 /r POLTS 2 2A048-575 SUPERCHARCER ELT 1 4F0017-301 SM00 FUMP SPACER 4F0130-026 OLL FEED ASSEMBLY 1 7A375-500 38-16 st.714" FOLT 1 7U030-026 OLL FEED ASSEMBLY 1 7A375-500 38-16 st.714" FOLT 1 7P037-026 UL FEED ASSEMBLY 1 7A375-12 30-16 st.714" FOLT 7P037-026 #4 SN47 1017-026 74017-12 IONITION MODULE RELOCATION 1 7P250-027 #4 SN47 14 SN47 74017-120 IFTENSIONER ASSEMBLY 1 7P250-027 14"NPT 45" STREET ELEOW 1 70012-026 12mm FLAT WASHERS 3 7P250-123 14"NPT 45" STREET ELEOW 1 70012-026 12mm FLAT WASHERS 3 7P250-123 14"NPT 45" STREET ELEOW 1 70012-026 12mm FLAT WASHERS 3 7P250-123 14"NPT 45" STREET ELEOW 1 70012-026 12mm FLAT WASHERS 3 7P030-03 14.5 STEPLES SOLAMP 1 70010-056 FREX MASHERS </td <td>7437-225</td> <td>3/8-16 x /" BOLT</td> <td>1</td> <td>2A046-031</td> <td>ACCESSORY BELT</td> <td>1</td>	7437-225	3/8-16 x /" BOLT	1	2A046-031	ACCESSORY BELT	1
International and the set of the	74312-100	5/16-18 x 1" BOLTS	2	2A048-575	SUPERCHARGER BELT	1
TA375:500 38-63 x 150 CT 1 4-0104/L0C UL PELL ASSEMULT 1 7A375:14 38-16 x 1.44 BOLT 1 70030 104 PE2 OL PEED BOW 1 4F0130-012 IGMITION MODULE RELOCATION 1 7P250.08 #4 SWINEL x 14* HORE ELSOW 1 4F011-022 IGMITION MODULE RELOCATION 1 7P250.08 #4 SWINEL x 14* HORE ELSOW 1 4F011-032 BELT TENSIONER ASSEMBLY 1 7P250.075 14* NPT 45* STREET ELSOW 1 4F011-032 BELT TENSIONER RLATE 1 7P250.075 14* NPT 4* 142* NIPPLE 1 4F011-032 BELT TENSIONER RLATE 1 7P250.075 14* NPT 4* 142* NIPPLE 1 4F011-032 BELT TENSIONER RLATE 1 7P250.075 14* NPT 4* 142* NIPPLE 1 4F011-032 BELT TENSIONER RLATE 1 7P250.075 14* NPT 4* 142* NIPPLE 1 4F011-032 DET TENSIONER RLATE 1 7P014008 14* STEPLESS CLAMP 1 4G011-03 TET TENSIONER 1 7P014008 14* STEPLESS CLAMP	4FG017-031	SMOG PUMP SPACER	1	450420.020		4
TA35-124 38-16, 1-14* BOLT 1 7002-523 1000-14 1000-14 1000-16 10000-16 1000-16 1000-16	7A375-500	3/8-16 x 5" BOLT	1	4FG130-026		1
4fe159-012 IGNITION MODULE RELOCATION 1 172530.06 #4 MUNEL 112*1002E EARB DTTING 4feA111-042 BELT TENSONER ASSEMBLY 1 772530.06 #4 MUNEL 112*10 MUNEL 112*10 4feA111-042 BELT TENSONER ASSEMBLY 1 77253.067 1/4*1047 STREET ELBOW 1 4feA111-042 BELT TENSONER PLATET 1 77253.067 1/4*10*10*11*11*1 TEE 4feA111-032 BELT TENSONER PLATET 1 77252.067 500° CRMP FERULES 1 71012-020 1/2mm x1.75* X0mm BOLTS 3 46532.068 FMU (WITH LINES) 1 2/2017-011 IDLER PLILEY SPACER 5%001-008 1/2* X2* WIRE LOOM 1 70012-020 1/2mm x1.75* X0mm BOLTS 3 4fc335.066 FMU (WITH LINES) 1 76008-032 8-32 LOCK NUTS 8 4fc3135.067 FEMALE FUEL INC ASSEMBLY 1 77912-003 5/16* FEMALE FUEL CONNECTOR 7P156-082 5/27* X3* VACUM TUBET 1 7912-003 5/16* FEMALE FUEL CONNECTOR 7P156-082 4/27* X3* FEMALE 1 7912-001 FUEL STIT MARPET 1 4/210*11	7A375-124	3/8-16 x 1-1/4" BOLT	1	70030-020	1/4 X 29 OIL FEED HOSE 1/8"NDT 4 x 45° MALE EL ROM/	1
Teol-100 #12 x 1:0"SHEET METAL SCREW 1 TP250-057 MC MARAB TO 14/*APT 1 #FA11042 BELT TENSIONER ASSEMBLY 1 TP250-057 MC MARAB TO 14/*APT 1 4FA11042 BELT TENSIONER ASSEMBLY 1 TP250-057 MC MARAB TO 14/*APT 1 4FA011-032 BELT TENSIONER NUM 1 TP250-057 MC MARAB TO 14/*APT 1 4FA011-032 DELLEY FINSIONER 1 TP250-057 MC MARAB TO 14/*APT 1 4FA011-017 WIDE PULLEY TENSIONER 1 TP250-067 S00" CRIMP FERRULES 1 20011-015 Tame X 1.75 'x Born BOLTS 3 4FG238-068 FMU (WTH LMES) 1 7/012-020 Tame X 1.75 'x Born BOLTS 3 4FG238-068 FMU (WTH LMES) 1 87202-265 T-REV ASSEMBLY 1 4FG130-056 MALEF PUEL LINE ASSEMBLY 1 7/004-002 12/************************************	4FG150-012	IGNITION MODULE RELOCATION	1	7P250-066	#4 SWIVEL x 1/4" HOSE BARB FITTING	1
4FA11-02 BELT TENSIONER ASSEMBLY 1 7P250-075 114/PPT 14''STREET ELEOW 1 7/012-02 12mm FLATWASHES 3 7P250-122 114' PPE THREAD AN917 TEE 1 7/012-03 12M PPE THREAD AN917 TEE 1 7P250-123 114' PPE THREAD AN917 TEE 1 7/012-030 12M PPE THREAD AN917 TEE 1 7P250-123 114' PPE THREAD AN917 TEE 1 7/012-030 12mm X.175' K0mm BOLT 1 7P250-133 14' PPE THREAD AN917 TEE 1 7/010-175 12mm X.175' K0FREET 1 7P000-03 14.5 STEPLESS CLAMP 1 7/010-175 12mm X.175' K0FREET 1 7P000-03 14.5 STEPLESS CLAMP 1 7/010-01 12mm X.175' K0FREET 1 6710-056 FMU (WTH LINES) 1 7/000-01 12mm X.175' K0FREET 1 6710-056 FMU ANAGEMENT UNIT 1 7/000-01 8-12 LOCK NUTS 8 746135-056 FMU ANAGEMENT UNIT 1 7/1000-05 6' FWLUL HEASSEMBLY 1 771440-030 502' STEPLESS CLAMPS 502'	7E010-100	#12 x 1.0" SHEET METAL SCREW	1	7P250-067	1/4" BARB TO 1/4"NPT	1
Trans Table Sector Table Sector <thtable sector<="" th=""> Table Sector</thtable>	4FA111-042	BELT TENSIONER ASSEMBLY	1	7P250-075	1/4"NPT 45° STREET ELBOW	1
4FA011-032 BELT TENSIONER PLATE 1 7P252-0123 1/47NPT x 1-127 NIPPLE 1 170112-036 1/2m x 1.75' x 56mm BOLT 1 7P525-067 500' CRIMP FERRULES 1 2A017-011 IDLEP PULLEY TENSIONER 1 7R003-003 14.5 STEPLESS CLAMP 1 2A017-011 IDLEP PULLEY TENSIONER 1 7R003-003 14.5 STEPLESS CLAMP 1 7C012-020 12mm x 1.75' x 20mm BOLTS 3 4F6238-068 FMU (WTH LINES) 1 7F000-032 8-32 LOCK NUTS 8 4F6135-057 FEMALE FUEL LINE ASSEMBLY 1 7F000-032 8-32 LOCK NUTS 8 7U330-046 5/32' X4' VACUM TUBE 1 7F010-03 5/16' FEMALE FUEL CONNECTOR 1 7P156-082 5/32' TEE 1 7F030-00 #FLAT WASHERS 8 7003-046 5/32' X4' VACUM TUBE 1 7F030-00 #FLAT WASHERS 8 7010-040 10:1 RING SPACER ASSEMBLY 1 7F030-00 #FLAT WASHERS 8 7703-040 10:1 RING SPACER ASSEMBLY 1	7,1012-092	12mm FLAT WASHERS	3	7P250-122	1/4" PIPE THREAD AN917 TEE	1
TC012:065 12mm x1.75*x 85mm B0LT 1 TP252:067 .500* CRIMP FERRULES 1 24A016-170 WDE PULLEY TENSIONER 1 TR003:003 14 s5 TEPLESS CLAMP 1 2A017-011 DLER PULLEY SPACER 1 SW011-008 1/2*x 24* WIRE LOOM 1 7C012:020 12mm x1.75* x 20mm B0LTS 3 4FG238-068 FMU (WTH LINES) 1 7C012:020 12mm x1.75* x 20mm B0LTS 3 4FG238-056 MALE FUEL LINE ASSEMBLY 1 7F008-02 8-32 LOCK NUTS 8 4FG135-057 FEMALE FUEL LINE ASSEMBLY 1 7F008-001 ## FLAT WASHERS 8 7U30-046 532* x3* VACUUM TUBE 1 7F912-001 FUEL FITTING ADAPTER 1 7U10-055 6* NVLON TUE-WRAP 1 7W314-001 #B CARD MOUNTS 4 4FG112-022 AR NLET DUCT 1 7W314-001 #B LORD MOUNTS 4 4FG112-022 AR NLET PLEX HOSE 1 7W314-001 #B LORD MOUNTS 4 4FG12-022 AR NLET DUCT 1 7W314	4FA011-032	BELT TENSIONER PLATE	ĭ	7P250-123	1/4"NPT x 1-1/2" NIPPLE	1
4FA016-170 WIDE PULLEY TENSIONER 1 77003-033 14.5 STEPLESS CLAMP 1 2A017-011 IDLER PULLEY SPACER 1 57011-086 FMU (WTH LINES) 1 7G010-175 12mm x 1.75* X0mm BOLTS 3 4FG238-068 FMU (WTH LINES) 1 7G010-175 12mm x 1.75* X0mm BOLTS 3 4FG238-068 FMU (WTH LINES) 1 7F000-032 8-32 LOCK NUTS 8 4FG135-057 FEMALE FUEL LINE ASSEMBLY 1 7J008-001 #8 FLAT WASHERS 8 7U030-046 5/32* TEE 1 7P132-003 5/16* FEMALE FUEL CONNECTOR 1 7V100-055 6* W/LON TIE-WRAP 1 7W030-001 #8 LOR MOUNTS 4 4FG112-021 AIR INLER DUET 1 7W030-001 WIRE TAP 1 4FG112-022 AIR INLET DUET 1 7W03-056 #12 LOR MOUNTS 4 FF012-040 10:1 RIN SPACER ASSEMBLY 1 7W03-056 #12 LOR MOUNTS 4 FF012-022 AIR INLET DUET 1 7W03-056 #12	7C012-065	12mm x 1.75" x 65mm BOLT	1	7P525-067	.500" CRIMP FERRULES	1
2A017-011 IDLER PULLEY SPACER 1 5W011-008 12" x2" WIRE LOOM 1 7C012-020 12mm x 1.75" NUT 1 62110-116 12:1 FUEL MANAGEMENT UNIT 1 1 62110-116 12:1 FUEL MANAGEMENT UNIT 1 62110-116 12:1 FUEL MANAGEMENT UNIT 1 1 7008-001 #82 LOCK NUTS 8 476133-065 MALE FUEL LINE ASSEMBLY 1 7008-001 #86 FLAT WASHERS 8 7003-046 5/32" X 3" VACUUM TUBE 1 7008-001 #86 FLAT WASHERS 8 7003-046 5/32" X 3" VACUUM TUBE 1 7010-001 #10 FEMALE FUEL CONNECTOR 1 7P156-082 5/32" TEE 1 70314-001 #10 LORD MOUNTS 4 4FG112-011 AIR INTAKE ASSEMBLY 1 70314-001 #12 x 12" SHEET METAL SCREW 1 4FG112-022 AIR INLET DUCT 1 71034-001 #12 x 12" SHEET METAL SCREW 1 4FG112-022 AIR INLET DUCT 1 710375-135 ADHESKE MOUNTING PADS 4 7R002-065 #58 HOSE CLAMPS	4FA016-170	WIDE PULLEY TENSIONER	1	7R003-003	14.5 STEPLESS CLAMP	1
70012-020 12mm x 1.75" x 20mm BOLTS 3 4F0238-068 FMU (MTH LINES) 1 70010-175 12mm x 1.75" NUT 1 62710-116 12:1 FUEL MANAGEMENT UNIT 1 8F202-265 T-REV"ASSEMBLY 1 4FG133-056 FMALE FUEL LINE ASSEMBLY 1 77008-032 8-32 LOCK NUTS 8 4FG133-056 FEMALE FUEL LINE ASSEMBLY 1 77008-030 #67 LAT WASHERS 8 70030-046 5/32" X34" VACUUM TUBE 1 779312-003 5/16" FEMALE FUEL CONNECTOR 1 7706-082 5/32" TEE 1 77034-001 FUEL FITING ADAPTER 1 7010-055 6" NYLON TIE-WRAP 1 7104-001 #8 LORD MOUNTS 4 4FG12-021 AIR INLET DUCT 1 71034-001 #8 LORD MOUNTS 4 FR002-056 #56 HOSE CLAMPS 3 71010-055 6" NYLON TIE-WRAPS 6 7R002-056 #56 HOSE CLAMPS 3 71010-055 6" NYLON TIE-WRAPS 6 7R002-056 #56 HOSE CLAMPS 3 71010-055 6" NYLON TIE-WRAPS 6 7R002-056 #56 HOSE CLAMPS 3	2A017-011	IDLER PULLEY SPACER	1	5W011-008	1/2" x 24" WIRE LOOM	1
Tot10-175 12mm x 1.75" NUT 1 <td>7C012-020</td> <td>12mm x 1.75" x 20mm BOLTS</td> <td>3</td> <td>4FG238-068</td> <td>FMU (WITH LINES)</td> <td>1</td>	7C012-020	12mm x 1.75" x 20mm BOLTS	3	4FG238-068	FMU (WITH LINES)	1
8F202-265 T-REX® ASSEMBLY 1 4F6135-066 MALE FUEL LINE ASSEMBLY 1 7F008-032 8.32 LOCK NUTS 8 4F6135-067 FEMALE FUEL LINE ASSEMBLY 1 77008-001 #8 FLAT WASHERS 8 70030-046 5/32* X 34* VACUUM TUBE 1 77912-003 5/16* FEMALE FUEL CONNECTOR 1 77166-082 5/32* X 34* VACUUM TUBE 1 77912-001 FUEL FITTING ADAPTER 1 7100-055 6* IN YLO IN TE-WRAP 1 70014-002 17.0 STEPLESS CLAMPS 2 62170-040 101 RING SPACER ASSEMBLY 1 70140-01 WIE TAP 1 4F6112-011 AIR INTAKE ASSEMBLY 1 70100-050 #12 x 12* SHEET METAL SCREW 1 4F6112-022 ARI INLET DUCT 1 7100-055 6* INVLON TIE-WRAPS 6 7R002-052 #58 HOSE CLAMPS 3 71010-055 6* INVLON TIE-WRAPS 6 7R002-052 #52 HOSE CLAMPS 3 71010-055 6* INVLON TIE-WRAPS 6 7R002-052 #52 HOSE CLAMPS 3	7G010-175	12mm x 1.75" NUT	1	6Z110-116	12:1 FUEL MANAGEMENT UNIT	1
TF008-032 8-32 CCK NUTS 6 4FG135-067 FEMALE FUEL LINE ASSEMBLY 1 7J008-001 #B FLAT WASHERS 8 7U030-066 5/32" 34" VACUUM TUBE 1 77912-001 FUEL FUEL CONNECTOR 1 7P156-082 5/32" 34" VACUUM TUBE 1 77912-001 FUEL FITTING ADAPTER 1 7P156-082 6" NYLON TIE-WRAP 1 770314-001 FUEL FITTING ADAPTER 1 7P156-082 6" NYLON TIE-WRAP 1 770314-001 #8 LOR DMOUNTS 4 4FG112-011 AIR INTAKE ASSEMBLY 1 77014-001 WRE TAP 1 4FG112-022 AIR INLET DUCT 1 770170-050 #12 x 1/2" SHEET METAL SCREW 1 7035-000 3-1/2" x 10" FLEX HOSE 1 71010-055 6" NVLON TIE-WRAPS 6 7R002-052 #56 HOSE CLAMPS 3 71010-055 6" NULIN REAPS 6 7R002-052 #56 HOSE CLAMPS 4 71010-055 6" NULIN REAPS 6 7R002-052 #52 HOSE CLAMPS 3 7	8F202-265	T-REX [®] ASSEMBLY	1	4FG135-056	MALE FUEL LINE ASSEMBLY	1
TU008-001 #B FLAT WASHERS 8 TV030-046 5/32" x 34" VACUUM TUBE 1 7P312-003 5/16" FEMALE FUEL CONNECTOR 1 7P156-082 5/32" TEE 1 7P312-001 FUEL FITTING ADAPTER 1 7U100-055 6" NVLON TUE-WRAP 1 7R004-002 17.0 STEPLESS CLAMPS 2 62170-040 10:1 RING SPACER ASSEMBLY 1 7V314-001 #B LORD MOUNTS 4 4FG112-012 AIR INLET DUCT 1 7V037-055 ADHESIVE MOUNTING PADS 4 FG103-000 3-1/2" x 10" SHEX HOSE 1 7U100-055 6" NYLON TIE-WRAPS 6 7R002-056 #56 HOSE CLAMPS 3 7U100-055 6" NYLON TIE-WRAPS 6 7R002-056 #56 HOSE CLAMPS 3 7U100-055 6" NYLON TIE-WRAPS 6 7R002-056 #56 HOSE CLAMPS 3 7U100-055 6" NYLON TIE-WRAPS 6 7R02-056 #56 HOSE CLAMPS 3 7U100-055 6" NYLON TIE-WRAPS 7 74250-101 1/4-20 X1" CASE 4 87002-265 <td>7F008-032</td> <td>8-32 LOCK NUTS</td> <td>8</td> <td>4FG135-057</td> <td>FEMALE FUEL LINE ASSEMBLY</td> <td>1</td>	7F008-032	8-32 LOCK NUTS	8	4FG135-057	FEMALE FUEL LINE ASSEMBLY	1
7P312-003 5/16" FEMALE FUEL CONNECTOR 1 7P156-082 5/32" TEE 1 7P312-001 FUEL FITTING ADAPTER 1 7U100-055 6" NYLON TIE-WRAP 1 7V314-001 #8 LORD MOUNTS 4 4FG112-011 AIR INTAKE ASSEMBLY 1 7V314-001 #8 LORD MOUNTS 4 4FG112-022 AIR INTAKE ASSEMBLY 1 7V314-001 #8 LORD MOUNTS 4 4FG112-022 AIR INTAKE ASSEMBLY 1 7V314-001 WIR TAP 1 4FG112-022 AIR INTAKE ASSEMBLY 1 7V100-055 6" NYLON TIE-WRAPS 6 7R002-056 #50 HOSE CLAMPS 3 7V1100-055 6" NYLON TIE-WRAPS 6 7R002-052 #52 HOSE CLAMP 1 4FA020-030 T-REX PUMP TEMPLATE 1 8H040-030 AIR FILTER 1 8F002-265 T-REX NURING ASSEMBLY 1 7A250-001 114-20 XI" CAP SCREWS 4 8F002-265 T-REX NURING ASSEMBLY 1 7A250-001 114-20 XI" CAP SCREWS 8 5W001-001 16-14GA EYELETS 2 77375-050 3/8" HOSEMENDER 1	7J008-001	#8 FLAT WASHERS	8	7U030-046	5/32" x 34" VACUUM TUBE	1
P7812-001 FUEL FITTING ADAPTER 1 7U100-055 6" NYLON TIE-WRAP 1 7R004-002 17.0 STPLESS CLAMPS 2 6Z170-040 10:1 RING SPACER ASSEMBLY 1 7U314-001 #8 LORD MOUNTS 4 4FG112-011 AIR INTAKE ASSEMBLY 1 5W001-001 WIRE TAP 1 4FG112-022 AIR INTAKE ASSEMBLY 1 7U375-135 ADHESIVE MOUNTINO PADS 4 FR012-022 AIR INTAKE ASSEMBLY 1 7U100-055 6" NYLON TIE-WRAPS 6 7R002-052 #52 HOSE CLAMPS 3 7U100-055 6" NYLON TIE-WRAPS 6 7R002-052 #52 HOSE CLAMPS 4 8F002-265 T-REX WIRNG ASSEMBLY 1 7J250-001 1/4-20 x1* CAP SCREWS 8 5W001-010 16-14GA FEMALE SLIDE 1 7Z250-001 1/4-20 NYLOCK NUTS 4 6 7U030-056 3/8" x1* SLEVE 1 7U030-056 3/8" x1* SLEVE 1 7W001-011 16-14GA FEMALE SLIDE 1 7Z250-00 3/2" x1* SLEEVE 1	7P312-003	5/16" FEMALE FUEL CONNECTOR	1	7P156-082	5/32" TEE	1
TR004-002 17.0 STEPLESS CLAMPS 2 62.170-040 10:1 RING SPACER ASSEMBLY 1 710314-001 #0 RD MOUNTS 4 4FG112-022 AIR INTAKE ASSEMBLY 1 5W001-001 WIRE TAP 1 4FG112-022 AIR INTER SSEMBLY 1 71010-050 #12 x 12" SHEET METAL SCREW 1 71035-000 3-12" x 10" FLEX HOSE 1 71010-055 6" NYLON TIE-WRAPS 6 7R002-062 #52 HOSE CLAMP 1 4FA020-030 T-REX WIRING ASSEMBLY 1 7A250-101 1/4-20 X T CAP S CREWS 4 8F002-265 T-REX WIRING ASSEMBLY 1 7A250-101 1/4-20 X T CAP S CREWS 4 5W001-010 16-14GA FEMALE SLIDE 1 7F250-021 1/4-20 NT CCR P S CREWS 4 5W001-010 16-14GA FEMALE SLIDE 1 7F250-021 1/4-20 NT CCR P S CREWS 4 7U100-044 4" NYLON TIE-WRAPS 6 71030-01 3.25" x 1" SLEEVE 1 7U100-041 15.7 STEPLESS CLAMPS 3 7P250-045 1/4"NPT x 3/8" FITTING 1	7P312-001	FUEL FITTING ADAPTER	1	7U100-055	6" NYLON TIE-WRAP	1
70314-001 #8 LORD MOUNTS 4 4FG112-011 AIR INTAKE ASSEMBLY 1 7E010-050 #12 x 1/2" SHEET METAL SCREW 1 4FG112-022 AIR INLET DUCT 1 7U010-050 #12 x 1/2" SHEET METAL SCREW 1 7U035-000 3-1/2" x 10" FLEX HOSE 1 7U100-055 6" NYLON TIE-WRAPS 6 7R02-056 #50 HOSE CLAMP 1 4FA020-030 T-REX PUMP TEMPLATE 1 8H040-030 AIR FILTER 1 8F101-200 T-REX VINING ASSEMBLY 1 7A250-101 1/4-20 x 1" CAP SCREWS 4 8F002-265 T-REX INLINE 90° FUEL PUMP 1 7250-021 1/4-20 x 1" CAP SCREWS 4 5W001-010 16-14GA FEMALE SLIDE 1 7250-021 1/4-20 x 1" CAP SCREWS 4 5W001-011 16-14GA FEMALE SLIDE 1 75325-100 3.25" x 1" SLEEVE 1 5W001-02 F USE TAP 1 75325-100 3.25" x 1" SLEEVE 1 7U100-044 4" NYLON TIE-WRAPS 6 71030-056 3/8" x 1" PVC HOSE 1 7U032-016 3/8" x 2" FUEL HOSE 1 4FG112-012 90" INTAKE	7R004-002	17.0 STEPLESS CLAMPS	2	6Z170-040	10:1 RING SPACER ASSEMBLY	1
SW001-001 WIRE IAP 1 4FG112-022 AIR INLET DUCT 1 7E010-050 #12 x 10" FLAX SCREW 1 7U035-000 3-1/2" x 10" FLEX HOSE 1 7U375-135 ADHESINE MOUNTING PADS 4 7R02-056 #56 HOSE CLAMPS 3 7U100-055 6" NYLON TIE-WRAPS 6 7R002-052 #52 HOSE CLAMPS 3 4FA020-030 T-REX WIRING ASSEMBLY 1 7A250-101 1/4-20 x 1" CAP SCREWS 4 8F002-265 T-REX INLINE 90" FUEL PUMP 1 7A250-101 1/4-20 x 1" CAP SCREWS 4 5W001-010 16-14GA FEMALE SLIDE 1 7F250-021 1/4-20 X NUTOCK NUTS 4 5W001-011 16-14GA EYELETS 2 7P375-050 3/8" HOSE MENDER 1 7U030-044 4" NYLON TIE-WRAPS 6 7U030-056 3/8" HOSE MENDER 1 7U031-018 5/16" x 16.5" FUEL HOSE 1 4FA12-012 90" INTAKE ELBOW 1 7U031-018 5/16" x 16.5" FUEL HOSE 1 57350-200 3-1/2" x" 2 SLEEVE 1	70314-001	#8 LORD MOUNTS	4	4FG112-011	AIR INTAKE ASSEMBLY	1
7U107-050 #1/2" X 1/2" SHEEL MICHALSUREW 1 7U335-000 3-1/2" x 10" FLEX HOSE 1 7U375-135 ADHESIVE MOUNTING PADS 4 7R002-056 #56 HOSE CLAMPS 3 7U100-055 6" NYLON TIE-WRAPS 6 7R002-052 #52 HOSE CLAMP 1 4FA020-030 T-REX PUMP TEMPLATE 1 8H04-030 AIR FLITER 1 8F101-200 T-REX NILINE 30" FUEL PUMP 1 7J250-01 1/4-20 NYLOCK NUTS 4 8F002-265 T-REX INLINE 30" FUEL PUMP 1 7J250-01 1/4-20 NYLOCK NUTS 4 5W001-001 16-14GA FEMALE SLIDE 1 7J250-021 1/4-20 NYLOCK NUTS 4 5W001-002 FUSE TAP 1 7S320-100 3.25" x1" SLEEVE 1 5W001-011 16-14GA FEMALE SLIDE 1 7S320-100 3.05" x1" SLEEVE 1 7U100-044 4" NYLON TIE-WRAPS 6 7U030-056 3/8" x1" PVC HOSE 1 7U032-016 3/8" x 22" FUEL HOSE 1 4FA012-012 90" INTAKE ELBOW 1 7U032-016 3/8" x 16.5" FUEL HOSE 1 5Y300-202 3/12" x 2" SLEEVE </td <td>50001-001</td> <td></td> <td>1</td> <td>4FG112-022</td> <td>AIR INLET DUCT</td> <td>1</td>	50001-001		1	4FG112-022	AIR INLET DUCT	1
TOD 75-130 ADRESIVE WOON ING FADS 4 TR002-056 #56 HOSE CLAMPS 3 7U100-055 6' NYLON TIE-WRAPS 6 TR002-052 #52 HOSE CLAMP 1 4FA020-030 T-REX PUMP TEMPLATE 1 8H04-030 AIR FILTER 1 8F101-200 T-REX WIRING ASSEMBLY 1 7A250-101 1/4-20 x1* CAP SCREWS 4 8F002-265 T-REX INLINE 90° FUEL PUMP 1 7A250-101 1/4*3E WASHERS 8 5W001-010 16-14GA FEMALE SLIDE 1 7F250-021 1/4-20 NYLOCK NUTS 4 5W001-011 16-14GA FELETS 2 7P375-050 3/8" NOSE MENDER 1 7U100-044 4" NYLON TIE-WRAPS 6 7U030-056 3/8" x 1* PVC HOSE 1 7U032-016 3/8" x 22" FUE HOSE 1 4FA012-012 90° INTAKE ELBOW 1 7U032-016 3/8" x 22" FUE HOSE 1 4FA012-012 90° INTAKE ELBOW 1 7U031-018 5/16" x 16.5" FUEL HOSE 1 7350-200 3.1/2" x 2" SLEEVE 1 7U100-066	7E010-050	#12 X 1/2" SHEET METAL SUREW	1	7U035-000	3-1/2" x 10" FLEX HOSE	1
TO 100-030 TREX PUMP TEMPLATE 1 REX PUMP TEMPLATE 1 8F101-200 T-REX WIRING ASSEMBLY 1 TA250-101 1/4-20 X 1" CAP SCREWS 4 8F101-200 T-REX WIRING ASSEMBLY 1 TA250-101 1/4-20 X 1" CAP SCREWS 4 8F002-265 T-REX INLINE 90° FUEL PUMP 1 T/250-001 1/4*36 WASHERS 8 5W001-010 16-14GA FEMALE SLIDE 1 TF250-021 1/4-20 N'YLOK NUTS 4 5W001-011 16-14GA FEMALE SLIDE 1 T5325-100 3.25" x1" SLEEVE 1 5W001-011 16-14GA FEMALE SLIDE 2 TP375-050 3/8" x 1" PVC HOSE 1 7U00-044 4" NYLON TIE-HWRAPS 6 TU030-056 3/8" x 1" PVC HOSE 1 7U032-016 3/8" x 22" FUEL HOSE 1 4FA012-012 90° INTAKE ELBOW 1 7U031-018 5/16" x 16.5" FUEL HOSE 1 TS30-200 3.1/2" x 2" SLEEVE 1 7U13-048 5/8" MOLDED ELBOW HOSE 1 SW122-025 12" 226A GREY WIRE 1 7U13-04	70375-135		4	7R002-056	#56 HOSE CLAMPS	3
All Place The Wilking ASSEMBLY 1 BH04/0-030 All Place 1 8F101-200 T-REX WIRING ASSEMBLY 1 74250-101 1/4-20 x1* CAP SCREWS 4 8F002-265 T-REX INLINE 90° FUEL PUMP 1 71250-001 1/4*CAP SCREWS 8 5W001-010 16-14GA FEMALE SLIDE 1 77250-021 1/4-20 x1* CAP SCREWS 4 5W001-011 16-14GA FEMALE SLIDE 1 77250-021 1/4*20 x1* CAP SCREWS 4 5W001-012 FUSE TAP 1 75352-100 3/2* x1* SLEEVE 1 7U100-044 4" NYLON TIE-WRAPS 6 77035-050 3/8" x1* PVC HOSE 1 7U032-016 3/8" x 22" FUEL HOSE 1 4FA012-012 90° INTAKE ELBOW 1 7U032-016 3/8" x 22" FUEL HOSE 1 4FA012-012 90° INTAKE ELBOW 1 7U031-018 5/16" x 16.5" FUEL HOSE 1 4FA012-012 90° INTAKE ELBOW 1 7U031-018 5/16" x 10.5" FUEL HOSE 1 4FA012-012 90° INTAKE ELBOW 1 7U031-018 5/16" MOLDED ELBOW HOSE 1 5W122-026 12" 22GA BLACK WIR	4FA020-030	TREX PLIMP TEMPLATE	1	7R002-052	#52 HOSE CLAMP	1
BF002-265 T-REX INLINE 90° FUEL PUMP 1 7/4250-101 1/4-20 X CAP SCREWS 4 5W001-010 16-14GA FEMALE SLIDE 1 7/250-021 1/4-20 NYLOCK NUTS 4 5W001-002 FUSE TAP 1 7/5325-100 3.25" x 1" SLEEVE 1 5W001-011 16-14GA EYELETS 2 7/9375-050 3/8" HOSEMENDER 1 7U100-044 4" NYLON TIE-WRAPS 6 7/030-056 3/8" x 1" PVC HOSE 1 7R004-001 15.7 STEPLESS CLAMPS 3 7P250-045 1/4"NPT x 3/8" FITTING 1 7U032-016 3/8" x 2" FUEL HOSE 1 4FA012-012 90° INTAKE ELBOW 1 7U032-018 5/16" x 16.5" FUEL HOSE 1 7S350-200 3/12" x 2" SLEEVE 1 4FG114-023 RADIATOR HOSE ASSEMBLY 1 5W122-026 12" 22GA BLACK WIRE 1 7U103-046 5/8" MOLDED ELBOW HOSE 1 5W122-026 12" 22GA BLACK WIRE 1 7U103-046 11" TIE-WRAPS 4 4FG110-050 MAF BRACKET ASSEMBLY 1	8F101-200	T-REX WIRING ASSEMBLY	1	8H040-030		1
5W001-010 16-14GA FEMALE SLIDE 1 77250-021 1/4-20 NYLOCK NUTS 4 5W001-002 FUSE TAP 1 77250-021 1/4-20 NYLOCK NUTS 4 5W001-011 16-14GA EYELETS 2 7P375-050 3/8" HOSEMENDER 1 7U100-044 4" NYLON TIE-WRAPS 6 7U030-056 3/8" x 1" PVC HOSE 1 7R004-001 15.7 STEPLESS CLAMPS 3 7P250-045 1/4"NPT x 3/8" FITTING 1 7U032-016 3/8" x 22" FUEL HOSE 1 4FA012-012 90" INTAKE ELBOW 1 7U031-018 5/16" x 16.5" FUEL HOSE 1 7S350-200 3-1/2" x 2" SLEEVE 1 4FG114-023 RADIATOR HOSE ASSEMBLY 1 5W122-025 12" 22GA GREY WIRE 1 7U130-066 11" TIE-WRAPS 4 4FG110-050 MAF BRACKET ASSEMBLY 1 7R001-008 #8 HOSE CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 7R003-015 15/16" ADEL CLAMP 1 5A101-003 STAND ALONE ASSEMBLY 1 7P375-01	8F002-265	T-REX INLINE 90° FUEL PUMP	1	7 A250-101	1/4-ZUXI CAP SCREWS	4
5W001-002 FUSE TAP 1 TR250-021 III-250 TILE STR100105 1 5W001-011 16-14GA EYELETS 2 7P375-050 3/8" HOSEMENDER 1 7U100-044 4" NYLON TIE-WRAPS 6 7U030-056 3/8" x1" PVC HOSE 1 7R004-001 15.7 STEPLESS CLAMPS 3 7P250-045 1/4"NPT x3/8" FITTING 1 7U032-016 3/8" x 22" FUEL HOSE 1 4FA012-012 90" INTAKE ELBOW 1 7U031-018 5/16" x 16.5" FUEL HOSE 1 7S350-200 3-1/2" x 2" SLEEVE 1 4FG114-023 RADIATOR HOSE ASSEMBLY 1 5W122-025 12" 22GA BLACK WIRE 1 7U103-066 11" TIE-WRAPS 4 4FG110-050 MAF BRACKET ASSEMBLY 1 7R001-008 #8 HOSE CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 7R003-015 15/16" ADEL CLAMP 1 5A101-003 STAND ALONE ASSEMBLY 1 7F030-036 OIL DRAIN ASSEMBLY 1 7P156-082 5/32" TEE 1 7F037-017	5W001-010	16-14GA FEMALE SLIDE	1	75250-001 7E250-021		0
5W001-011 16-14GA EYELETS 2 7P375-050 3/8" HCREMENDER 1 7U100-044 4" NYLON TIE-WRAPS 6 7U030-056 3/8" x 1" PVC HOSE 1 7R004-001 15.7 STEPLESS CLAMPS 3 7P250-045 1/4"NPT x 3/8" TITING 1 7U032-016 3/8" x 22" FUEL HOSE 1 4F0112-012 90" INTAKE ELBOW 1 7U031-018 5/16" x 16.5" FUEL HOSE 1 7S350-200 3-1/2" x 2" SLEEVE 1 4FG114-023 RADIATOR HOSE ASSEMBLY 1 5W122-025 12" 22GA GREY WIRE 1 7U133-048 5/8" MOLDED ELBOW HOSE 1 5W122-026 12" 22GA BLACK WIRE 1 7U100-066 11" TIE-WRAPS 4 4FG110-050 MAF BRACKET ASSEMBLY 1 7R001-008 #8 HOSE CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 7R003-015 15/16" ADEL CLAMP 1 5A101-003 STAND ALONE ASSEMBLY 1 7P375-017 3/8"NPT x 1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNITION RETARD 1	5W001-002	FUSE TAP	1	78325-100	3 25" x 1" SLEEVE	1
7U100-044 4" NYLON TIE-WRAPS 6 7U030-056 3/8" x 1" PVC HOSE 1 7R004-001 15.7 STEPLESS CLAMPS 3 7P250-045 1/4"NPT x 3/8" FITTING 1 7U032-016 3/8" x 2" FUEL HOSE 1 4FA012-012 90° INTAKE ELBOW 1 7U032-016 5/16" x 16.5" FUEL HOSE 1 4FA012-012 90° INTAKE ELBOW 1 4FG114-023 RADIATOR HOSE ASSEMBLY 1 5W122-025 12" 22GA GREY WIRE 1 7U133-048 5/8" MOLDED ELBOW HOSE 1 5W122-026 12" 22GA BLACK WIRE 1 7U100-066 11" TIE-WRAPS 4 4FG110-050 MAF BRACKET ASSEMBLY 1 7R001-008 #8 HOSE CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 7R003-015 15/16" ADEL CLAMP 1 5A101-003 STAND ALONE ASSEMBLY 1 7U303-036 0IL DRAIN ASSEMBLY 1 7P156-082 5/32" TEE 1 7U030-036 1/2" x 19" OIL DRAIN HOSE 1 5A001-001 STAND ALONE IGNITION RETARD 1 7R001-008 #8 STAINH CSE BARB 1 5A001-001 STAND A	5W001-011	16-14GA EYELETS	2	7P375-050	3/8" HOSEMENDER	1
7R004-001 15.7 STEPLESS CLAMPS 3 7P250-045 1/4"NPT x 3/8" FITTING 1 7U032-016 3/8" x 22" FUEL HOSE 1 4FA012-012 90" INTAKE ELBOW 1 7U031-018 5/16" x 16.5" FUEL HOSE 1 7S350-200 3-1/2" x 2" SLEEVE 1 4FG114-023 RADIATOR HOSE ASSEMBLY 1 5W122-025 12" 22GA BLACK WIRE 1 7U133-048 5/8" MOLDED ELBOW HOSE 1 5W122-026 12" 22GA BLACK WIRE 1 7U100-066 11" TIE-WRAPS 4 4FG110-050 MAF BRACKET ASSEMBLY 1 7R001-008 #8 HOSE CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 7R003-015 15/16" ADEL CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 7R003-036 OIL DRAIN ASSEMBLY 1 7P156-082 5/32" TEE 1 7U030-036 1/2" x 19" OIL DRAIN HOSE 1 5A002-002 WIRING HARNESS 1 7P375-017 3/8"NPT x 1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNITION RETARD 1 7R001-008 #8 STAINLESS HOSE CLAMPS 2 7U030-046	7U100-044	4" NYLON TIE-WRAPS	6	7U030-056	3/8" x 1" PVC HOSE	1
7/0032-016 3/8" x 22" FUEL HOSE 1 4FA012-012 90° INTAKE ELBOW 1 7/0031-018 5/16" x 16.5" FUEL HOSE 1 78350-200 3-1/2" x 2" SLEEVE 1 4FG114-023 RADIATOR HOSE ASSEMBLY 1 5W122-025 12" 22GA GREY WIRE 1 7/0133-048 5/8" MOLDED ELBOW HOSE 1 5W122-026 12" 22GA GREY WIRE 1 7/0100-066 11" TIE-WRAPS 4 4FG110-050 MAF BRACKET ASSEMBLY 1 7/R001-008 #8 HOSE CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 7/R003-015 15/16" ADEL CLAMP 1 7P156-082 5/32" TEE 1 7/0030-036 OIL DRAIN ASSEMBLY 1 7P16-082 5/32" TEE 1 7/0030-036 1/2" x 19" OIL DRAIN HOSE 1 5A002-002 WIRING HARNESS 1 7/0030-036 1/2" x 19" OIL DRAIN HOSE 1 5A002-002 WIRING HARNESS 1 7/0375-017 3/8"NPT x1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNITION RETARD 1 7/0375-017 3/8"NFT X1/2" STRAIGHT HOSE BARB 2 7/0375-001<	7R004-001	15.7 STEPLESS CLAMPS	3	7P250-045	1/4"NPT x 3/8" FITTING	1
7003 F016 5/16 X 16.5 F0EL HOSE 1 7S350-200 3-1/2" x 2" SLEEVE 1 4FG114-023 RADIATOR HOSE ASSEMBLY 1 5W122-025 12" 22GA GREY WIRE 1 7U133-048 5/8" MOLDED ELBOW HOSE 1 5W122-026 12" 22GA BLACK WIRE 1 7U100-066 11" TIE-WRAPS 4 4FG110-050 MAF BRACKET ASSEMBLY 1 7R001-008 #8 HOSE CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 7R003-015 15/16" ADEL CLAMP 1 5A101-003 STAND ALONE ASSEMBLY 1 4FG130-036 OLD DRAIN ASSEMBLY 1 7P156-082 5/32" TEE 1 7U030-036 1/2" x 19" OIL DRAIN HOSE 1 5A002-002 WIRING HARNESS 1 7P375-017 3/8"NPT x 1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNITION RETARD 1 7R001-008 #8 STAINLESS HOSE CLAMPS 2 7U375-001 2' x 5" VELCRO-HOOK 1 7W030-046 5/32" x 36" VACUUM LINE 1 7U375-001 2' x 5" VELCRO-HOOK 1 7U375-001 2' x 5" VELCRO-HOOK 1 7U375-002 <td>70032-016</td> <td>3/8" x 22" FUEL HOSE</td> <td>1</td> <td>4FA012-012</td> <td>90° INTAKE ELBOW</td> <td>1</td>	70032-016	3/8" x 22" FUEL HOSE	1	4FA012-012	90° INTAKE ELBOW	1
4FG114-023 RADIATOR HOSE ASSEMBLY 1 5/W122-025 12" 22GA GREY WIRE 1 7U133-048 5/8" MOLDED ELBOW HOSE 1 5W122-026 12" 22GA BLACK WIRE 1 7U100-066 11" TIE-WRAPS 4 4FG110-050 MAF BRACKET ASSEMBLY 1 7R001-008 #8 HOSE CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 7R003-015 15/16" ADEL CLAMP 1 5A101-003 STAND ALONE ASSEMBLY 1 4FG130-036 OIL DRAIN ASSEMBLY 1 7P156-082 5/32" TEE 1 7U030-036 1/2" x 19" OIL DRAIN HOSE 1 5A002-002 WIRING HARNESS 1 7P375-017 3/8"NPT x 1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNITION RETARD 1 7R001-008 #8 STAINLESS HOSE CLAMPS 2 7U030-046 5/32" x 36" VACUUM LINE 1 7R001-008 #8 STAINLESS HOSE CLAMPS 2 7U375-001 2" x 5" VELCRO-HOOK 1 7U375-001 2" x 5" VELCRO-LATCH 1 5W001-009 16-14GA MAI & SI IDF <	70031-018	5/16" X 16.5" FUEL HOSE	1	7S350-200	3-1/2" x 2" SLEEVE	1
7U133-048 5/8" MOLDED ELBOW HOSE 1 5W122-026 12" 22GA BLACK WIRE 1 7U100-066 11" TIE-WRAPS 4 4FG110-050 MAF BRACKET ASSEMBLY 1 7R001-008 #8 HOSE CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 7R003-015 15/16" ADEL CLAMP 1 5A101-003 STAND ALONE ASSEMBLY 1 4FG130-036 OIL DRAIN ASSEMBLY 1 7P156-082 5/32" TEE 1 7U030-036 1/2" x 19" OIL DRAIN HOSE 1 5A002-002 WIRING HARNESS 1 7P375-017 3/8"NPT x 1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNITION RETARD 1 7R001-008 #8 STAINLESS HOSE CLAMPS 2 7U030-046 5/32" x 36" VELCRO-HOOK 1 7W01-009 16-14GA MAI F SI IDF 1 5W001-009 16-14GA MAI F SI IDF 1	4FG114-023	RADIATOR HOSE ASSEMBLY	1	5W122-025	12" 22GA GREY WIRE	1
7U100-066 11" TIE-WRAPS 4 4+G110-050 MAF BRACKE I ASSEMBLY 1 7R001-008 #8 HOSE CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 7R003-015 15/16" ADEL CLAMPS 2 5W001-087 3/16" x 8" SHRINK TUBE 1 4FG130-036 OIL DRAIN ASSEMBLY 1 5A101-003 STAND ALONE ASSEMBLY 1 4FG130-036 0IL DRAIN ASSEMBLY 1 7P156-082 5/32" TEE 1 7U030-036 1/2" x 19" OIL DRAIN HOSE 1 5A001-001 STAND ALONE IGNITION RETARD 1 7P375-017 3/8"NPT x 1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNITION RETARD 1 7R001-008 #8 STAINLESS HOSE CLAMPS 2 7U030-046 5/32" x 36" VACUUM LINE 1 7U375-017 2" x 5" VELCRO-HOOK 1 7U375-001 2" x 5" VELCRO-HOOK 1 7U375-002 2" x 5" VELCRO-HOOK 1 5W001-009 16-14GA MAI F SI IDF 1	7U133-048	5/8" MOLDED ELBOW HOSE	1	5W122-026	12" 22GA BLACK WIRE	1
/ RU01-008 #8 HOSE CLAMPS 2 5W001-08/ 3/16" X 8" SHRINK TOBE 1 7R003-015 15/16" ADEL CLAMP 1 5A101-003 STAND ALONE ASSEMBLY 1 4FG130-036 OIL DRAIN ASSEMBLY 1 7P156-082 5/32" TEE 1 7U030-036 1/2" x 19" OIL DRAIN HOSE 1 5A002-002 WIRING HARNESS 1 7P375-017 3/8"NPT x 1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNITION RETARD 1 7R001-008 #8 STAINLESS HOSE CLAMPS 2 7U030-046 5/32" x 36" VACUUM LINE 1 7U375-017 2' x 5" VELCRO-HOOK 1 7U375-001 2' x 5" VELCRO-HOOK 1 7W01-009 16-14GA MAI F SI IDF 1 5W001-009 16-14GA MAI F SI IDF 1	7U100-066	11" TIE-WRAPS	4	4FG110-050		1
/ R003-015 15/16* ADEL CLAMP 1 5A101-003 STAND ALONE ASSEMBLY 1 4F G130-036 OIL DRAIN ASSEMBLY 1 7P156-082 5/32" TEE 1 7 U030-036 1/2" x 19" OIL DRAIN HOSE 1 5A002-002 WIRING HARNESS 1 7 P375-017 3/8"NPT x 1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNITION RETARD 1 7 R001-008 #8 STAINLESS HOSE CLAMPS 2 7U030-046 5/32" x 36" VACUUM LINE 1 7 U375-001 2' x 5" VELCRO-HOOK 1 7U375-002 2' x 5" VELCRO-HOOK 1 7 W01-009 16-14GA MAI F SI IDF 1 5W001-009 16-14GA MAI F SI IDF 1	7R001-008	#8 HOSE CLAMPS	2	20001-087	3/10 X 0 SHKINK TUBE	1
4FG130-036 OIL DRAIN ASSEMBLY 1 7P156-082 5/32" TEE 1 7U030-036 1/2" x 10" OIL DRAIN HOSE 1 5A002-002 WIRING HARNESS 1 7P375-017 3/8"NPT x 1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNTION RETARD 1 7R001-008 #8 STAINLESS HOSE CLAMPS 2 7U030-046 5/32" x 36" VACUUM LINE 1 7U375-001 2' x 5" VELCRO-HOOK 1 7U375-001 2' x 5" VELCRO-HOOK 1 7U375-002 2' x 5" VELCRO-LATCH 1 5W001-009 16-14GA MAI F SI IDF 1	/R003-015	15/16" ADEL CLAMP	1	5A101-003	STAND ALONE ASSEMBLY	1
7U030-036 1/2" x 19" OIL DRAIN HOSE 1 5A002-002 WIRING HARNESS 1 7P375-017 3/8"NPT x 1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNITION RETARD 1 7R001-008 #8 STAINLESS HOSE CLAMPS 2 7U030-046 5/32" x 36" VACUUM LINE 1 7U375-001 2' x 5" VELCRO-HOOK 1 7U375-001 2' x 5" VELCRO-HOOK 1 7U375-002 2' x 5" VELCRO-LATCH 1 5W001-009 16-14GA MAI F SLIDF 1	4FG130-036	OIL DRAIN ASSEMBLY	1	7P156-082	5/32" TEE	1
7P375-017 3/8"NPT x 1/2" STRAIGHT HOSE BARB 1 5A001-001 STAND ALONE IGNITION RETARD 1 7R001-008 #8 STAINLESS HOSE CLAMPS 2 7U030-046 5/32" x 36" VACUUM LINE 1 7R001-008 #8 STAINLESS HOSE CLAMPS 2 7U037-001 2' x 5" VELCRO-HOOK 1 7U375-001 2' x 5" VELCRO-HOOK 1 7U375-002 2' x 5" VELCRO-LATCH 1 5W001-009 16-14GA MAI F SLIDF 1 5W001-009 16-14GA MAI F SLIDF 1	7U030-036	1/2" x 19" OIL DRAIN HOSE	1	5A002-002	WIRING HARNESS	1
7R001-008 #8 STAINLESS HOSE CLAMPS 2 70030-046 5/32" x 36" VACUUM LINE 1 70375-001 2' x 5" VELCRO-HOOK 1 70375-002 2' x 5" VELCRO-LATCH 1 5W001-009 16-14GA MALE SLIDE 1	7P375-017	3/8"NPT x 1/2" STRAIGHT HOSE BARB	1	5A001-001	STAND ALONE IGNITION RETARD	1
70375-001 2 x 5 VELCRO-HOUK 1 70375-002 2'x 5" VELCRO-LATCH 1 5W001-009 16-14GA MAI F SLIDF 1	7R001-008	#8 STAINLESS HOSE CLAMPS	2	70030-046	5/32" X 36" VACUUM LINE	1
5W001-009 16-14GA MAI F SI IDF 1				70375-001		1
				5W001-009	16-14GA MALE SLIDE	1



1994-95 High Output Mustang, V-3 Part No. 4FG218-020L

ENGINEERING, LLC

PARTS LIST

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

PART NUMBER	DESCRIPTION	QUANTITY	PART NUMBER	DESCRIPTION	QUANTITY
2F328-050	V-3 SUPERCHARGER ASSEMBLY	1	4FG112-030	DISCHARGE ASSEMBLY	1
4FG111-021	MOUNTING BRACKET ASSEMBLY	1	7R002-044	#44 HOSE CLAMPS	2
4FG011-021	MOUNTING BRACKET	1	7R002-048	#48 HOSE CLAMPS	2
4FG010-033	MOUNTING PLATE	1	75275-200	2-3/4" X 2" SLEEVE	1
4FG015-013	ALTERNATOR STAY	1	75300-200	3" X 2" SLEEVE	1
4FG015-023	ALTERNATOR BRACKET	1	7P150-002	3/32 TEE #16 HOSE CLAMPS	1
7A375-100	3/8-16 x 1" BOLTS	9	80001-001	RVDASS VALVE	4
7K375-040	3/8"AN960 FLAT WASHERS	18	711100-055	6" NYLON TIE-WRAPS	6
7L375-075	3/8" LOCK WASHERS	2	7U030-046	5/32" x 36" VACUUM LINE	1
7F375-016	3/8-16 NUTS	2	7U034-016	1" x 3.5" HEATER HOSES	2
7K312-001	5/16"AN WASHERS	2	4FG012-011	DISCHARGE DUCT	1
7K437-001	7/16"AN WASHER	1	450146 024	CRANK DUI LEY ASSEMBLY	4
4FG017-011		1	4FG110-021		1
4FG017-021	LOWER ALTERNATOR STAY SPACER	1	4FG016-031 4FG016-081	WATER DI MD DI II I EV	1
7A375-150	3/8-10 X 1-1/2" BOLIS	3	74375-126	3/8-16 x 1 25" BOLTS	4
7A375 224	3/0-10 X 1-3/4 BULI 3/8 16 x 2 25" POITS	3	7.1375-044	3/8"SAE WASHERS	4
74/37-224	7/16-14 x 2-1//" BOLT	J 1	71 375-075	3/8" LOCK WASHERS	4
7A375-400	3/8-16 x 4" BOLT	1	2A046-031	ACCESSORY BELT	1
7A312-100	5/16-18 x 1" BOLTS	2	2A048-575	SUPERCHARGER BELT	1
4FG017-031	SMOG PUMP SPACER	1	450000 069		4
7A375-500	3/8-16 x 5" BOLT	1	67110 116	12:1 ELEL MANAGEMENT LINIT	1
7A375-124	3/8-16 x 1-1/4" BOLT	1	4EG135-056	MALE FUEL LINE ASSEMBLY	1
4FG150-012	IGNITION MODULE RELOCATION	1	4FG135-057	FEMALE FUEL LINE ASSEMBLY	1
7E010-100	#12 x 1.0" SHEET METAL SCREW	1	71/030-046	5/32" x 34" VACUUM TUBE	1
4FA111-042	BELT TENSIONER ASSEMBLY	1	7P156-082	5/32" TEE	1
7.1012-092	12mm FLAT WASHERS	3	7U100-055	6" NYLON TIE-WRAP	1
4FA011-032	BELT TENSIONER PLATE	1	6Z170-040	10:1 RING SPACER ASSEMBLY	1
7C012-065	12mm x 1.75" x 65mm BOLT	1	4EC112.011	AID INTAKE ASSEMDLY	1
4FA016-170	WIDE PULLEY TENSIONER	1	4FG112-012		1
2A017-011	IDLER PULLEY SPACER	1	71035-000	3-1/2" x 10" ELEX HOSE	1
7C012-020	12mm x 1.75" x 20mm BOLTS	3	7R002-056	#56 HOSE CLAMPS	3
7G010-175	12mm x 1.75" NUT	1	7R002-052	#52 HOSE CLAMP	1
8F202-265	T-REX [®] ASSEMBLY	1	8H040-030	AIR FILTER	1
7F008-032	8-32 LOCK NUTS	8	7A250-101	1/4-20 x 1" CAP SCREWS	4
7J008-001	#8 FLAT WASHERS	8	7J250-001	1/4"SAE WASHERS	8
7P312-003	5/16" FEMALE FUEL CONNECTOR	1	7F250-021	1/4-20 NYLOCK NUTS	4
7P312-001	FUEL FITTING ADAPTER	1	7\$325-100	3.25" x 1" SLEEVE	1
7R004-002	17.0 STEPLESS CLAMPS	2	7P375-050	3/8" HOSEMENDER	1
7U314-001	#8 LORD MOUNTS	4	70030-056		1
5W001-001		1	7P250-045 4EA012.012	1/4 INPLX 3/8" FITTING	1
7E010-050	#12 X 1/2" SHEET METAL SCREW	1	4FA012-012 79350-200	3 1/2" v 2" SI EEV/E	1
70375-135	ADHESIVE MOUNTING PADS	4	5W/122-025	12" 22GA GREY WIRE	1
/EA020-030		0	5W122-026	12" 22GA BLACK WIRE	1
8F101_200	T-REX WIRING ASSEMBLY	1	4FG110-050	MAF BRACKET ASSEMBLY	1
8F002-265	T-REX INLINE 90° FUEL PUMP	1	5W001-087	3/16" x 8" SHRINK TUBE	1
5W001-010	16-14GA FEMALE SLIDE	1	54404 002	STAND ALONE ASSEMDLY	4
5W001-002	FUSE TAP	1	7D156 092	5/20" TEE	1
5W001-011	16-14GA EYELETS	2	54002-002	WIRING HARNESS	1
7U100-044	4" NYLON TIE-WRAPS	6	54002-002	STAND ALONE IGNITION RETARD	1
7R004-001	15.7 STEPLESS CLAMPS	3	7U030-046	5/32" x 36" VACUUM LINF	1
7U032-016	3/8" x 22" FUEL HOSE	1	7U375-001	2' x 5" VELCRO-HOOK	1
7U031-018	5/16" x 16.5" FUEL HOSE	1	7U375-002	2' x 5" VELCRO-LATCH	1
4FG114-023	RADIATOR HOSE ASSEMBLY	1	5W001-009	16-14GA MALE SLIDE	1
7U133-048	5/8" MOLDED ELBOW HOSE	1	4FG112-011	AIR INTAKE ASSEMBLY	1
7U100-066	11" TIE-WRAPS	4			
7R001-008	#8 HOSE CLAMPS	2	009035	V-3 LUBE	1
7R003-015	15/16" ADEL CLAMP	1			

SPECIAL NOTICE CONCERNING THE

MSD IGNITION SYSTEM

The MSD Boost Timing Master, manufactured by Autotronic Controls Corporation, included in this kit is serviced exclusively by the manufacturer. Autotronic Controls Corporation warrants this product to be free from defects in material and workmanship under normal use and if properly installed for a period of one (1) year from the date of purchase. In case of malfunction, this unit will be repaired free of charge according to the terms of the warranty. If found to be defective as mentioned above. it will be repaired or replaced if returned prepaid along with proof of date of purchase. This shall constitute the sole remedy of the purchaser and the sole liability of Autotronic Controls Corporation and/or Vortech Engineering, LLC. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall Autotronic Controls Corporation and/or Vortech Engineering, LLC, be liable for labor charges, special or consequential damages.

When returning this unit for service, proof of purchase must be supplied for warranty verification. After the warranty period has expired, repair service is charged between a minimum and maximum charge. In either case, please send the unit pre-paid with proof of purchase to the attention of:

> Autotronic Controls Corporation Customer Service Department 12120 Esther Lama Suite #114 El Paso, Texas, 79936 Phone: (915) 855-7123 Fax: (915) 857-3344 www.msdignition.com

The repaired unit will be returned as soon as possible after receipt, COD for any charges. Be sure you include a detailed account of any problems experienced, the type of vehicle and any modifications.

Should you have any technical or installation questions regarding this unit, contact Vortech Engineering, LLC, directly at (805) 247-0226.

1. PREPARATION/REMOVAL

- A. Disconnect the battery negative cable.
- B. Remove all of the components that lead to the throttle body including the mass air flow (MAF) sensor, air filter assembly and rubber bellows. Separate the MAF sensor from the air filter assembly and set aside.
- C. Remove the air temperature sensor from the bellows.
- D. Loosen the crank pulley and water pump pulley bolts.
- E. Remove the accessory belt.
- F. Remove the relay box that is mounted next to the radiator recovery tank. Carefully remove the electrical plug and set aside.
- G. Remove the water pump pulley.
- H. Drain approximately one gallon of coolant from the radiator. Remove the upper radiator hose and set aside.
- I. Remove the belt tensioner assembly.
- J. Unplug the wire connections and remove the alternator assembly (make sure the battery is disconnected).
- K. Remove the smog pump hoses from the smog pump.
- L. Remove the smog pump and alternator brackets with the smog pump still attached.
- M. Remove the smog pump from the bracket.
- N. Remove the 5/8" heater hose that runs from the water pump to the manifold tube assembly, next to the water temperature sender (see Fig. 1-a).
- O. Remove the distributor shield and the passenger side spark plug wires at the distributor and set aside.
- P. Disconnect the water temperature sensor plug.
- Q. Carefully cut the steel tube that runs along the intake manifold (the tube where the hose was previously removed). Remove approximately 3-1/4" and discard the cut off piece (see *Fig. 1-b*).
- R. Remove the radiator cover by using a Lisle door upholstery remover tool and a phillips screwdriver.
- S. For component clearance, it is necessary to remove the air conditioning line clamps on the frame and tuck the hose on top of the frame rail.
- T. Remove the "S" shaped coolant hose that runs from the firewall to the steel tube above the intake manifold that was previously shortened (see *Fig. 1-c*).

NOTE: Refer to your Mustang Owner's Guide for helpful illustrations and descriptions of particular components.





Fig. 1-b





3. OIL DRAIN (ENGINE OIL-FED KITS ONLY. APPLICATIONS WITH V-3 SUPER-CHARGERS SKIP AHEAD TO STEP 4)

- A. To provide an oil drain for the supercharger, it is necessary to make a hole in the oil pan. Locate and mark hole as per diagram. It is best to punch the hole rather than drill.
- B. Remove paint 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 9/16" diameter. Most punches are made from hexagon material and may be placed in a socket with an extension to make this procedure easier.
- 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 chips. Use a small magnet to check for any stray chips.



- E. Thoroughly clean the threaded area. Apply a small amount of silicone sealer to the new threads and thread in the oil drain assembly. Apply more sealer to the 3/8" NPT hose fitting and secure in hole. Make sure a seal is formed all around the fitting.
- F. Drain the engine oil and change the filter.



4. FUEL MANAGEMENT UNIT

- A. Disconnect the fuel rail **return** line behind the shock tower and at the manifold fuel rail with spring lock disconnect tool. Remove the fuel line. The return line **does not** have a pressure test fitting on it. (It is the smaller of the two lines).
- B. Attach the supplied 14" fuel line to the center fitting on the management unit (FMU). Mount the FMU against the passenger side inner fender panel in between the shock tower and the firewall using sheet metal screws. Coil the units 14" return line upward, forming a loop back down to the stock return line. (See *Fig. 4-a.*)
- C. Connect the FMU input hose from the fitting on the side of the FMU to the return line coming from the fuel rail regulator fitting as shown in *Figs. 4-b*, *4-c* on the following page.
- D. Using the stock hose mount on the shock tower, secure the fuel lines away from the exhaust manifold with the tie wraps provided.





4.1 FUEL MANAGEMENT UNIT RECALIBRATION, cont'd.

- **C.** Install replacement ring (with the notched part facing down) around the four screws inside the FMU.
- **D.** Place the new disk inside the ring on top of the piston.
- E. Install the new diaphragm and carefully line up holes to the body.
- F. Reinstall the FMU cover with the six allen head screws. Do not overtighten the screws. The correct torque is 24 in/lbs (2 ft/lbs).

5. FAN RELAY BOX RELOCATION

- **A.** Modify the relay mount by removing 1/2" from the front end of the bracket that mounts to the radiator core support. Mark and drill two 1/4" holes located 5/8" towards the back of the original mounting holes (see *Fig. 5-a*).
- **B.** Trim a 2" x 1/2" section off of the plastic radiator cover piece to clear repositioned relay (see *Fig. 5-b*). Align relay and shroud.
- **C.** Reroute the electrical fan and coolant overflow wiring underneath the fan relay processor bracket for belt clearance.



6. RADIATOR HOSE/AIR CONDITIONING LINE

- **A.** Trim 1-1/4" of hose from the radiator end of the upper radiator hose (straight portion) (see *Fig. 6-a*).
- **B.** Remove the air conditioning line support clamps near the radiator outlet so that the air conditioning lines may be bent. Reconnect the mounting tabs.
- **C.** Slightly bend the high pressure air conditioning line (the line with the pressure switch located on it) towards the radiator and around the radiator hose for clearance of the supercharger pulley and belt system. (See *Figs. 6-b, 6-c.)*



NOTE: Air conditioning lines are under high pressure and the fluid is highly toxic; therefore, use extreme caution when bending the line to avoid kinking or breaking the line. Support the assembly as much as possible while bending for clearance.

6. RADIATOR HOSE/AIR CONDITIONING LINE, cont'd.

- **D.** Notch the radiator bracket to the frame for clearance of the air conditioning line. (See *Fig. 6-d.*)
- E. Reinstall fan relay, bracket and radiator cover piece.



Fig. 6-b



Fig. 6-c / Air Conditioning Line





8. IGNITION MODULE RELOCATION

- A. To ensure proper clearance for the intake duct, the TFI ignition module must be rotated. Carefully unwrap the wire loom running to the grey TFI module plug. Lengthen the wire assembly by pulling the TFI loom out of the main harness (approximately 7") until it meets the air temp and MAF connector (in main harness).
- **B.** Using the 7" length of 3/8" flex loom provided, rewrap the unwrapped wiring and connector.
- **C.** Using the original threaded hole closest to the shock tower, rotate the ignition module 180° and mount with the bolt and sheet metal screw provided (see *Fig. 8-a*).



9. CRANKSHAFT AND WATER PUMP PULLEYS

- **A.** Remove the crankshaft pulley.
- **B.** Place the Vortech crank pulley onto the crank balancer and secure with the four supplied grade 8 bolts and washers.
- **C.** Install the Vortech water pump pulley using stock fasteners.

NOTE: Tighten bolts progressively and evenly in a crisscross pattern so that pulleys align properly.



11. COOLANT HOSE REROUTING AND ENGINE COMPONENT REASSEMBLY

- **A.** Attach the supplied 5/8" coolant hose with the molded elbow end to the heater fitting on the firewall. Secure with a hose clamp.
- **B.** Carefully route the coolant hose along the shock tower and fuel lines next to the oil fill pipe and secure with cable ties.
- **C.** Attach the coolant hose to the front supercharger mounting plate using the supplied #15 adel clamp and the 3/8" bolt as shown in the graphic. Install coolant hose and clamp onto the water pump fitting. Trim if necessary.

NOTE: Make sure that the hoses are routed smoothly with no kinks or sharp bends and away from all heat sources.

D. Reconnect the spark plug wires to the distributor. Carefully rotate the temperature sender to allow as much clearance for the alternator as possible, reconnect the temperature sensor plug.



12. MASS AIR FLOW SENSOR RELOCATION

- A. Remove the mass air flow (MAF) sensor and air temperature connector loom from the main harness.
- **B.** Cut the air temperature sensor wires 3" to 4" away from the air temperature connector. Using the supplied wiring, solder wire extensions (make sure the color of the wires match the main harness wire colors) to the cut harness. Slip two of the supplied one inch shrink sleeves onto each of the cut wires.
- **C.** Reattach the air temperature sensor connector by soldering it to the extended harness. Position the shrink sleeve sections over each of the solder joints. Gently heat until the tube seals the joint.
- D. Cover the wire assembly with the 18" flex loom.
- E. Remove the two 1/4-20 washers and nuts from the right lower fender valance and mount the MAF bracket on the existing studs using the same washers and nuts to fasten to the inner fender. (See *Fig. 12-a.*)



12. MASS AIR FLOW SENSOR RELOCATION cont'd.

- **F.** Slide the 3-1/8" x 1" sleeve onto the stock mass air sensor. Slide the flex hose and #52 hose clamp over the assembly.
- **G.** Mount the hose and mass air assembly onto the mounting bracket using the four 1/4-20 bolts, washers and nylock nuts.
- **H.** Screw the air temperature sensor into the bracket and plug in the electrical connector for the MAF and the air temp sensor.
- I. Slide the air filter and clamp assembly onto the bracket and secure.

13. SUPERCHARGER MOUNTING AND ASSEMBLY, HOSE DRAIN AND INLET DUCT

- A. Slide the inlet duct along with the T-type clamp onto the supercharger inlet. (See *Fig. 13-a*.)
- **B.*** Place the oil drain hose onto the supercharger drain fitting and secure with a hose clamp. Arrange the clamp screw housing so it will not interfere with the mounting plate when installed.
- **C.*** Feed the oil drain hose around the side of the smog pump and down towards the oil pan fitting while lowering the supercharger into position.
- **D.** Secure the supercharger with four (4) 3/8-16 x 1" bolts and AN washers.
- E.* Connect the lower end of the oil drain hose to the fitting on the pan and secure with a hose clamp. Drain must be routed downhill with no kinks or dips. Trim hose if necessary.
- F. Place the supercharger belt idler assembly on the supercharger using the 12mm bolts and washers. Position the thin head bolt in the tensioner plate nearest the idler pulley.
- **G.** Attach the 3-1/2" elbow assembly and 3-1/2 x 2" sleeve to the supercharger inlet duct using the #56 clamps. Route the flex hose end through the opening in the fender apron and attach to the MAF sensor outlet. Secure hose to MAF with the supplied #52 clamp.
- **H.****Secure the remote drain hose away from the belt and other hoses using tie-wraps.

* Applies to "engine oil-fed" units only. V-3 applications skip these steps.

** Applies to V-3 applications only



Fig. 13-a

14. ALTERNATOR AND MAIN ACCESSORY BELT INSTALLATION

- A. Mount the alternator to the alternator bracket and main bracket using a 3/8-16 x 4" bolt and washer. Reconnect the two wiring plugs and battery lug to the alternator.
- **B.*** Thread the oil feed line onto the supercharger fitting.
- C. Route the coolant hose over the oil fitting/hose assembly.
- D. Mount the alternator stay to the supercharger and supercharger mounting plate using two 3/8-16 x 1-1/2" bolts and washers, 5/8" spacer and 5/16" spacer. Place the 5/8" spacer in between the upper supercharger mounting bolt hole and the alternator stay. Place the 5/16" spacer in between the upper supercharger mounting plate hole and the alternator stay (see *Fig. 14-b*). Bolt the alternator to the upper alternator stay slot using the 3/8-16 x 1-3/4" bolt, washer, lock washer and nut.
- E. Install the main accessory belt using a 3/8" breaker bar to rotate the tensioner clockwise, allowing the belt to fit over all of the pulleys. (See *Fig. 14-a.*)
- **F.** Mount the supercharger belt on the crank pulley and supercharger pulley with the tensioner routed according to the graphic. Tighten the belt using a 1/2" breaker bar, a 3/4" tappet or a 19mm thin wrench to tighten the bolts.

* Applies to "engine oil-fed" units only. V-3 applications skip these steps.







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18. T-REX[®] FUEL PUMP INSTALLATION (High-Output System Only)

- **A.** Remove spare tire, etc. from trunk.
- **B.** Trim "Cut-Out" from the template provided in the kit and place over spare tire hold-down. Centerpunch and drill the four 3/16" holes in the trunk floor.
- **C.** Jack up the rear of the car and support with jack stands.
- **D.** Mount the T-Rex fuel pump to the underside of the tire well with the rubber mounts, adel clamps and fasteners provided. Refer to the graphic on the following page.
- **E.** Remove the hose assembly and fitting that connects the fuel tank to the fuel filter inlet. Carefully rotate the stock hose assembly previously disconnected from the filter downward 90°.
- **F.** Connect the T-Rex inlet hose assembly to the stock female supply hose fitting by gently pushing the fittings together and making sure they are locked.
- **G.** Fasten the extended feed line clear of the filter by looping the two 11" cable ties through the front slot on the fuel filter mount, being careful not to kink the line.
- **H.** Plug the female connector onto the fuel filter inlet making sure the hose assembly clears all exhaust tubing and sharp objects.

NOTE:	Use extreme caution when routing fuel lines. Make sure fuel
	lines are located away from hot exhaust pipes and sharp edges
	on vehicle underbody.

- I. Mark and drill a 1/8" hole and mount the relay inside the trunk in position as shown in the template. Use the sheet metal screw provided.
- J. From relay terminal #85, tap the yellow wire into the stock fuel pump harness in the trunk near the right tail light. Tap into the purple wire with the supplied scotch lock. (On some model years, wire may be brownish-green.)
- **K.** Connect the short red wire on relay terminal #8 to the (+) terminal on the fuel pump.
- L. Connect the longer black wire from the (-) terminal on the fuel pump to a clean ground.
- **M.** Connect the short black wire to a clean ground from relay terminal #86 (relay screw mount works well).
- **N.** Route the remaining long red wire from relay terminal #30 up to the high current fuse panel located in the engine compartment. Using a solderless connector, connect the supplied fuse holder and fuse to the end of the wire. Crimp the fuse wire to the large ring terminal and attach the accessory (+) battery lug.



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

19. FINAL CHECK

- Reconnect the battery.
- B. If your vehicle has gone over 10,000 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 92 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. Check ignition timing to make sure it is set to stock specifications before commencing test drive.
- G. PLEASE TAKE SPECIAL NOTE: Operating the vehicle without ALL the subassemblies completely and properly installed may cause FAILURE OF MAJOR COMPONENTS.
- H. Test drive the vehicle.
- The supercharger drive belt stretches ini-L tially and will require adjustment between 250 and 400 miles.
- J. Read the STREET SUPERCHARGER SYSTEM OWNER'S MANUAL AND RETURN WARRANTY REGISTRATION FORM within thirty (30) days of purchasing your supercharger system to qualify.

For internally lubricated V3 units only

This supercharger has been factory pre-filled with special Vortech 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 (not the dipstick) from the top of the supercharger case. 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:

- Ensure that the .06" copper sealing 1. washer is located on the dipstick base.
- 2. Thread the clean dipstick into the supercharger unit it seats.
- Once the dipstick has seated, 3. remove the dipstick from the unit. Fluid should register in the crosshatched area on the dipstick.
- 4 DO NOT OVERFILL!!! Drain excess fluid 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, refill the unit with 4 oz. of Vortech V3 lubricating fluid and then confirm proper oil level using the dipstick. DO NOT **OVERFILL!!!**

WARNING:

Use of any other fluid other than the special Vortech lubricant will void the warranty and may cause component failure.



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