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Revision
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22RE LC PRO FUEL INJECTION PLATE KIT (FOR KIT #1 ONLY) Part # 1065002

The LC Engineering Pro Fuel Injection System will give you total control over the fuel and ignition curve of your engine. This system can be programmed to handle unlimited engine modification, performance options and environmental changes.

With this level of performance, careful engine tuning is required. Keep records on what your settings are and what changes you make. This will give you a reference tool regarding the setup you use for your system.

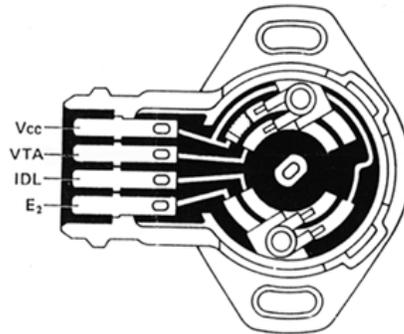
Warning: Improper ignition timing and/or setting the fuel mixture too lean or too rich will damage your engine.

Follow the guidelines in the SDS instructions for base setup. For computer and programming support, please call LC Engineering technical support at (928) 855-6341

Throttle Position Sensor (TPS) Instructions

Connect the SDS wiring harness TPS wires to the stock Toyota 85-95 TPS Switch. Unscrew the TPS switch and reposition it pointing toward the fire wall for wire layout convenience. Connect wires as follows:

| | | |
|---------------------|---|-----|
| Red Wire | = | Vcc |
| White or Green Wire | = | VTA |
| No Wire | = | IDL |
| Black Wire | = | E2 |



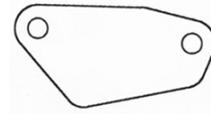
We recommend soldering and shrink wrapping your wire connections to ensure a strong connection that will not loosen up over time. We also recommend testing your throttle position sensor and replacing as needed. It can be very frustrating to track down a running issue when it is caused by a bad TPS. LC Engineering also has a TPS mounting kit that consist of allen head screws and a with a ball headed allen wrench for easier accessibility and adjustment.

The following pages have a list of items and guidelines for installing the LC Engineering Plate Kit and Pro Fuel Injection. For more in depth installation support on this kit please call LC Engineering Technical Support at **928-505-2501**.



1032006 Water Block Off (Under Manifold)

| | | |
|----------|---|----------------------------|
| Hardware | 2 | 6mm x 1.00 x 12mm Hex Bolt |
| | 2 | 6mm Flat Washer |

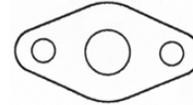


Instructions:

This plate will mount underneath your EFI manifold to eliminate the water pipe that runs over to the heater core. You may or may not use this depending on your application. If you do use it we supply new bolts and washers to mount it. Use a small amount of silicone to seal it to the manifold (we recommend Ultra-Grey).

1063012 Air Temp Plate

| | | |
|----------|---|----------------------------|
| Hardware | 2 | 6mm x 1.00 x 12mm Hex Bolt |
| | 2 | 6mm Flat Washer |



Instructions:

This plate will locate the air temp sensor into the old cold start injector location. Use the supplied hardware and a very small amount of sensor safe silicone to seal the plate to the manifold. If your original gasket is in good shape you can re-use it without any silicone.

***Also included, a M8 1.00 x 10mm Hex Bolt and a M8 Crush Washer for removing the cold start injector feed line from the fuel rail. Simply remove feed line and install Hex Bolt with Crush Washer into the fuel rail.**

1016005 EGR Block Off (Head)

| | | |
|-----------|---|----------------------------|
| Hardware: | 3 | 8mm x 1.25 x 20mm Hex Bolt |
| | 3 | 8mm Flat Washer |



Instructions:

With the LC Pro Fuel Injection Kit you will no longer need to run an EGR valve. This plate will block off the EGR passage on your cylinder head. Use a small amount of silicone to seal it to the head (we recommend Ultra-Grey).

1032005 EGR Block Off (Manifold)

| | | |
|-----------|---|----------------------------|
| Hardware: | 2 | 8mm x 1.25 x 20mm Hex Bolt |
| | 2 | 8mm Flat Washer |

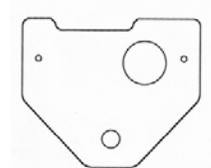


Instructions:

With the LC Pro Fuel Injection Kit you will no longer need to run an EGR valve. This plate will block off the EGR passage on your intake manifold. Use a small amount of silicone to seal it to the manifold (we recommend Ultra-Grey).

1063033 Map Sensor Mount Plate

| | | |
|----------|---|----------------------------|
| Hardware | 2 | 10/24 x 1 Allen Screw |
| | 2 | #10 Flat Washer |
| | 1 | 8mm x 1.25 x 20mm Hex Bolt |
| | 1 | 8mm Flat Washer |



Instructions:

The LC Pro Fuel Injection Kit comes with a new MAP sensor. We supply a plate to mount this new sensor onto your valve cover or back of the intake plenum.