



7501 Straw Plains Pike, Knoxville, TN 37924

Tech Support: (760) 244-2049

Scion 2004-2006 XB 1.5L
Scion 2004-2005 XA 1.5L
Toyota Echo 2000-2005 1.5L

Supplied Items:

Large Case Conversion Alternator with attached Bracket
Adapter Harness
Spacer (7/16" ID x 1" OD x 8mm L)

Installation Instructions:

- 1 Disconnect the negative battery cable and then disconnect the positive battery cable.
- 2 Disconnect the wiring, remove the belt, and then remove the stock alternator from it's mounting brackets.
- 3 Remove the existing belt tensioner bracket from the engine block and place the supplied 8mm long spacer behind the bracket and re-assemble.
- 4 Mount the new alternator to the existing mounting block on the engine with the bracket assembly on the alternator to the bottom location on the engine block. Install the original long bolt and hand tighten. **See the diagram below.**
- 5 Mount the single ear to the belt tensioner by installing the shorter bolt. Tighten all the bolts sufficiently enough to ensure that the belt has the correct tension.
- 6 Connect the stock alternator plug to the supplied adapter harness and then connect the adapter harness to the newly installed alternator.
- 7 Connect two new cables(1/0 awg.)**(not supplied)** between the alternator Post and the battery post, connecting the positive cable first and the negative post last. The original cables will not be used and therefore be individually covered with electrical tape and/or heat shrink tubing to prevent the cables from shorting against each other.

Adapter Harness Wire Color Usage:

White with Black Stripe wire to Red Wire is for the Light Signal.
Green with Red Stripe wire to the Green wire is to turn on for the regulator (ignition signal).
Yellow with White Stripe wire to Blue Wire is for the Power/voltage sense for the regulator.