

TORQUE RUSH PERFORMANCE

X-Link Mini GM90S

TorqueRush.com

Throttle Swap Signal Conversion Module for GM 03-07 full size V8 trucks and Holden LS1 VZ cars – **Connection to a LS4 SS car will permanently damage the X-Link**
Not for aftermarket magnetic sensor throttle bodies.

Terms of Use and Sale

Our products are intended for off road use only. Torque Rush Performance Inc. assumes no responsibility for vehicle damage, personal injury, breach of law or any expenses resultant from vehicle modification or use of these products. Any modifications from the original design of a vehicle are done at the user's own risk. Purchase or installation of any of these products constitutes acceptance of these terms by the purchaser or user.

*Note

Test all new components for proper operation with your system prior to removing the original equipment intake and/or throttle body. With key-on engine-off operate the pedal through its full range and ensure that no trouble codes are set. Contact us if you have questions.

Installation

X-Link GM90S are configured for GM silver blade 90mm throttle bodies only.



GM 12570790 / 19420034

Connect the module to the 8-way throttle body connector of the engine wiring harness and to the new throttle body. There will be a "click" when the connection is secure. If you don't hear/feel the click, check that the center portion (purple or grey) that covers/aligns the pins is fully seated.

Be sure to route all wires away from contact with high heat parts such as exhaust manifolds/headers and turbochargers. Secure the unit such that the plastic Tee will not be in direct contact with hot engine components such as cylinder heads.

Adjustments to the vehicle calibration (ETC Throttle Area Conversion Factor/Throttle Area Scaler) can be made to correct for the size difference between the stock 78mm throttle body and the larger throttle body (we use a value of .0158 for 90mm). This will hasten "idle learning" and reduce the amount of relearn necessary whenever battery power to the PCM is interrupted. Max throttle opening % can be reduced if the throttle blade hits the WOT stop.

For troubleshooting assistance see: <http://torquerush.com/troubleshooting.html>

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