



Twin Tec Turbo Boost and Nitrous Timing Retard Tech Note

CAUTION: CAREFULLY READ INSTRUCTIONS BEFORE PROCEEDING. NOT LEGAL FOR SALE OR USE IN CALIFORNIA OR ON ANY POLLUTION CONTROLLED VEHICLES.

OVERVIEW

Twin Tec Model 1005, 1005S, 1006, and 1007 ignition systems can be programmed to allow alternate usage of the purple/white wire as a retard input. When this feature is enabled, the unit will retard timing up to 10 degrees if the purple/white wire is grounded. This retard feature is useful for certain applications using a turbo/supercharger or nitrous oxide injection. Twin Tec PC Link Evo software and USB interface P/N 18014 are required to enable and program the retard feature.

BOOST PRESSURE RETARD

Use the hookup shown below. Hobbs adjustable pressure switches are available from Napa Balkamp. Boost pressure causes the normally open pressure switch to close. This grounds the purple/white

wire from the Twin Tec module and activates the retard.

AUTOMATIC RETARD FOR NITROUS OXIDE INJECTION

Use the hookup shown below. You can use a standard 12 volt automotive relay available at Radio Shack and most parts stores. Use 1/4" female push-on terminals for relay connections. Terminal numbers are industry standard and appear on the bottom of the relay.

When the nitrous solenoids are energized, the relay coil is also energized and the normally open relay contacts close. This grounds the purple/white wire from the Twin Tec module and activates the retard.

