GL1500 Start Problems

While cranking the engine I have no ignition but as soon as I release the starting button the engine starts

Those who have GL1500's that won't start until releasing the start button can go into the right front side fairing and clean the C54 connector that feeds the pulse coils. It carries both the 12 vdc and the ground return. Road dirt and condensation gets to it because it isn't waterproof. Cleaned with contact cleaner and it fixed the problem, starts perfectly every time without having to release the button to fire. The dirt/condensation layer bleeds enough of the 12 vdc coming to the coils off so that their firing voltage is below start levels. The button release does provide a momentary spike that fires the bike up. Those of you willing to go after this will be pleasantly surprised at the results.