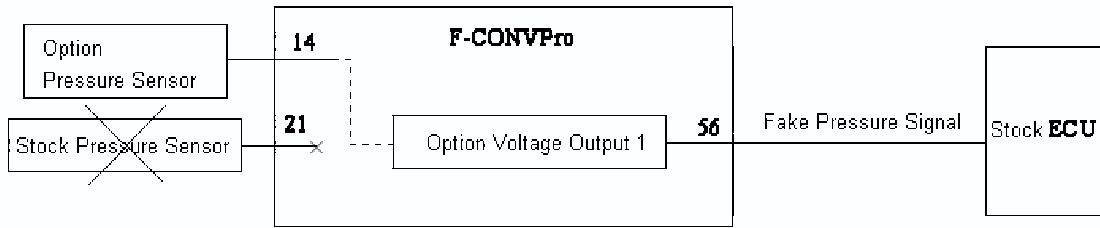


## Controlling D-Jetro engine without stock pressure sensor



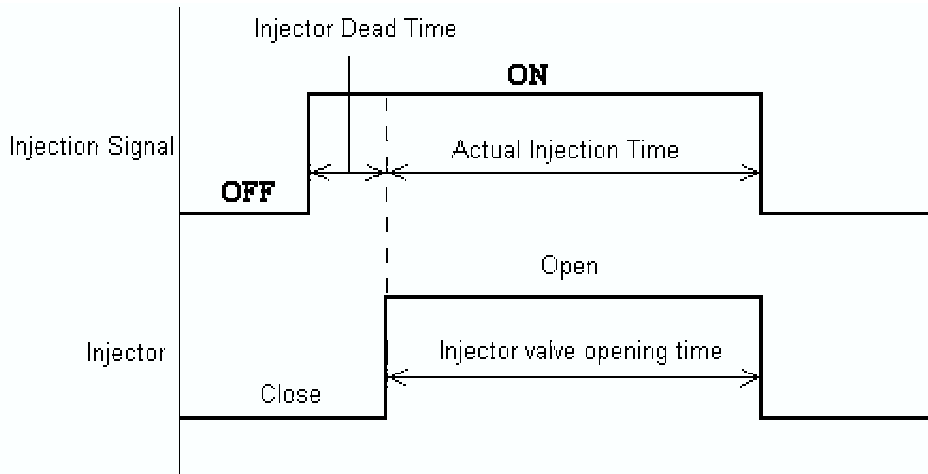
### Step 6 : Injector Dead Time

#### 1. What is Injector Dead Time?

- Injector Dead Time is to correct delayed reaction time of injector movement. It is decided against battery voltage.
- Injection Time (Injector valve opening time) T can be calculated with the following calculation formula and relationship between Injection time and Injector valve opening time is shown below.

$$T = T_{AU} + T_v$$

( $T_{AU}$ : ) Actual Injection Time,  $T_v$  Injector Dead Time



#### 2. Injector Dead Time of HKS Injectors

Code Number	Volume [cc]	Type	Impedance	Connector		Injector Dead Time [ $\mu$ sec ]					
				Shape	Color	8V1	0V	12V	14V	16V	18V
1402-RN008	555	Side Feed	High	Circle	Yellow	1795	1179	830	584	403	193
1402-RN009	740	Side Feed	High	Circle	Red	1641	973	633	463	359	227
1402-RN010	600	Top Feed	Low	Rect.	Purple	1508	853	598	402	227	135
1402-RN011	480	Top Feed	High	Circle	Purple	1972	1166	776	483	274	100
1402-RZ001	550	Top Feed	Low	Rect.	Purple	2364	1636	1273	909	545	545
1402-RZ002	680	Top Feed	Low	Rect.	Blue	2444	1704	1407	1111	815	815
1402-RA002	1000	Top Feed	Low	Circle	Sky Blue	2400	1800	1400	1100	1000	800