INPUTS	Outputs
- TC ANALOG - MODE AVALOG - ENGINE START DIGITAL - MOTOR START DIGITAL - ENGINE RUNNING CAN - RTD CAN - BUZZER - ON CAN - CPBRB DIGITAL - RPM CAN - AMS_STATUS	- MODE - TC - ENGINE START - MOTOR START - CPBRB STATUS - RPM - COOLANT TEMP LIGHTS - SOC + AMS STATUS + IMD STATUS
- SOC CAN + IMD STATUS - COOLANT TEMP CAN.	CAN + ENGINE BUTTON BACKLIGHT PMOTOR BUTTON BACKLIGHT

CAN DATA - CUSTOM IN	UPUT ÌO	FROM	MABX :	@~ 5Hz.
BYTES	VALUE			
1-2	RPM			
3-4	10.000	LANT TE	MP	
5	SDC			

6 7 8	READY	E RUNNING TO DRIVE R ON			
- Custom	Оитрит	io to	MABX:	@	~

BYTES	VALUE		FORMAT	
1	MODE		1 NDEXED	0-5
7	TC		0->100	
3	ENGINE	START	0-1	
Ч	MOTOR	START	0-1	
5	CPBRB	STATUS	0 - 1	
•			•	

SHZ.

```
PROGRAM FLOW
 - INITIALIZE VARIABLES.
 - SETUP LIGHTS
 - SETUP CAN:
     & FILTER TO INPUT 10
 - LOOP :
     4 CHECK IF CAN MESSAGE AVAILABLE
                 INPUT
                         PARAMETERS
             ANALOG INPUTS AND GET IN OUTPUT FORMAT
                 BUTTONS CHANGED STATE
        - UPDATE
                  PRESSTIME
        CHECK IF
                 BUTTON PRESSED LONG ENOUGH TO TRIGGER
        - UPDATE BUTTON STATE
        CHECK IF ENGINE IS RUNNING
          CHECK IF RPM
                          TOO HIGH
           LA RECORD SUITCH TIME
           L, IF ON/OFF TIME > DELAY , SLITCH STATE
          OTHERWISE, DISPLAY RPM
           ENGINE NOT RUNNING, CLEAR LEDS.
               SOC.
        DISPLAY TEMPERATURE
             UPDATE TO ALL LED'S.
```

CAN_ MESSAGE OUT PREQUENCY HAS PASSED.

GATHERED INPUT AND SEND OUT.