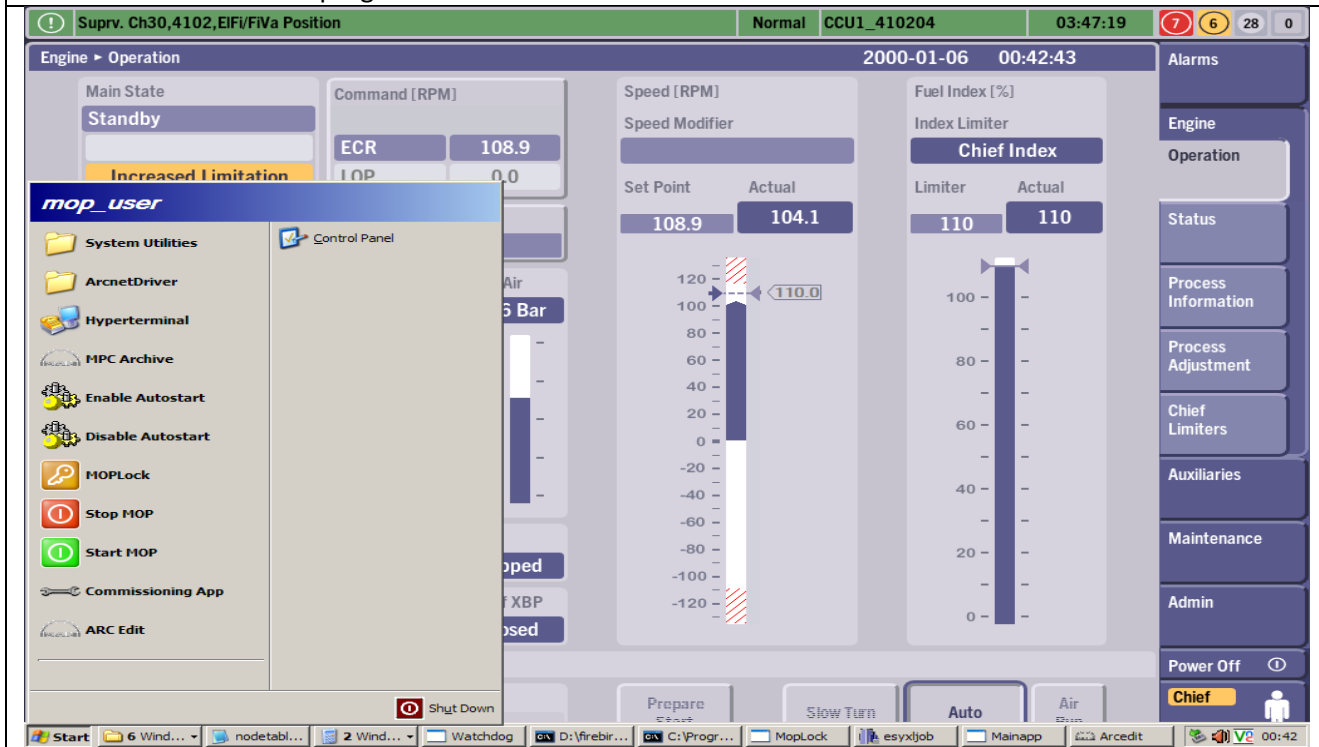


Procedure for using Arcedit

Step 1

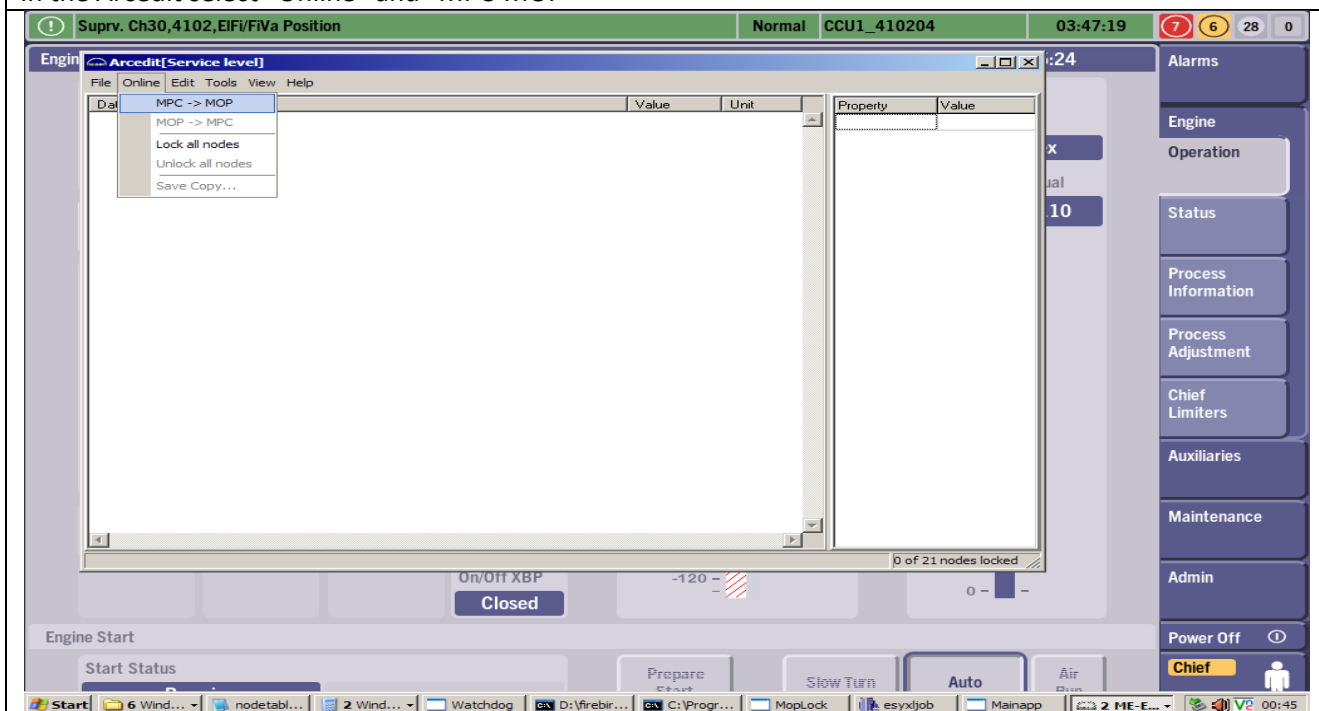
From MOP-A or MOP-B press "Ctrl" and "Esc" and windows menu appear.

In the menu activate the program "ARC Edit"



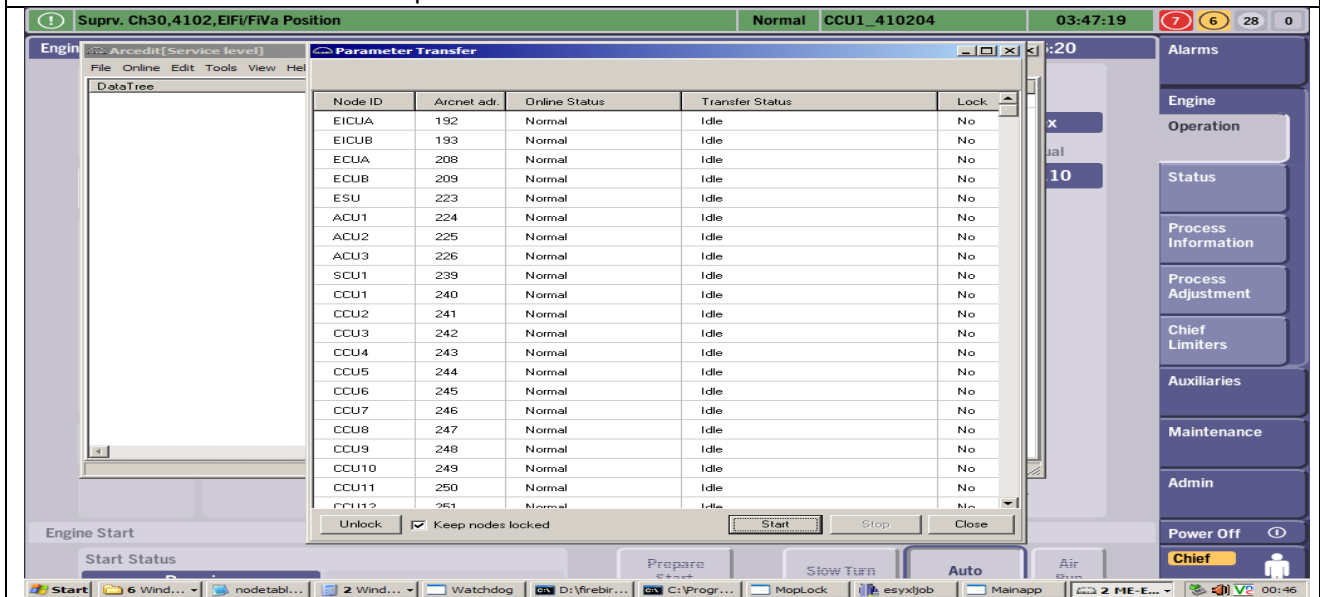
Step 2.

In the Arcedit select "Online" and "MPC-MOP"



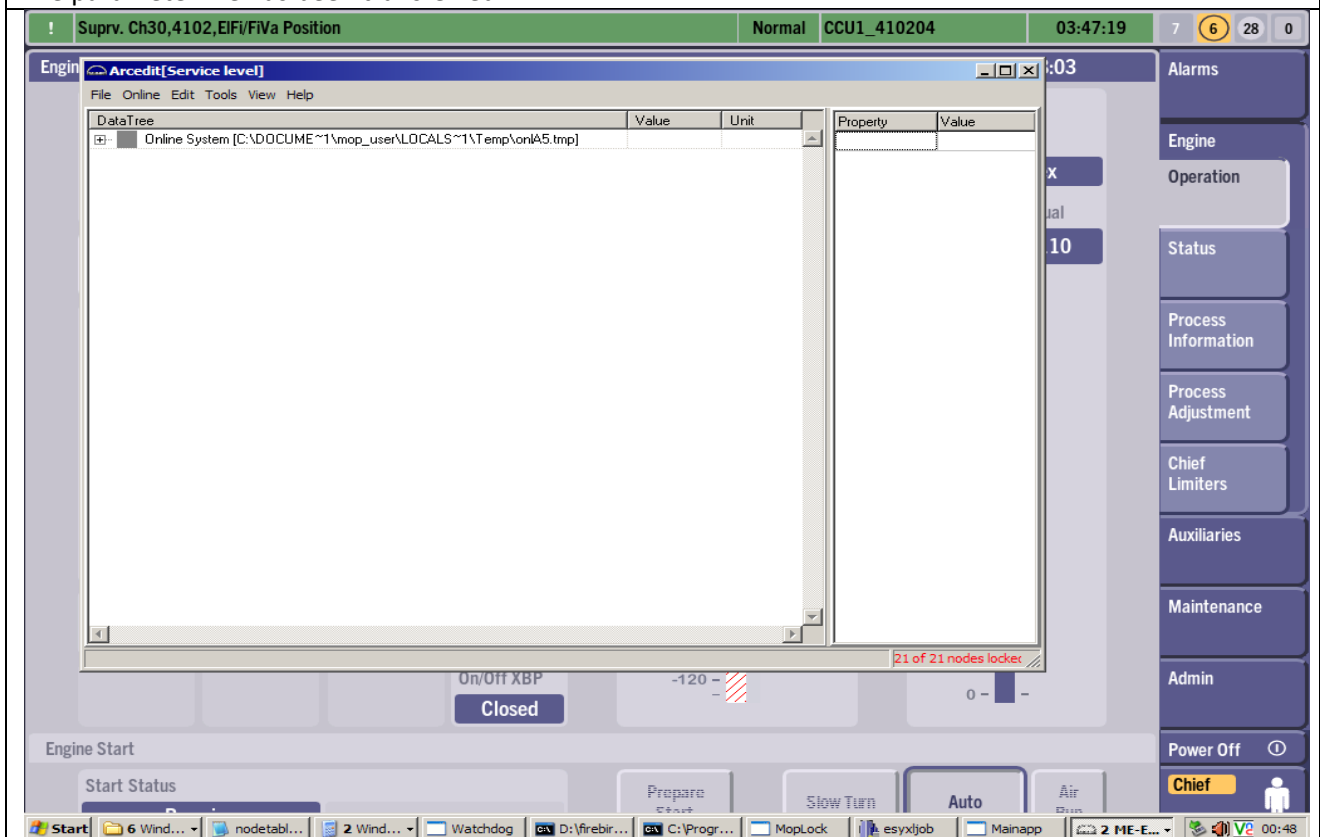
Step 3.

Select "Start" which will transfer parameters from all MPC's to Arcedit.



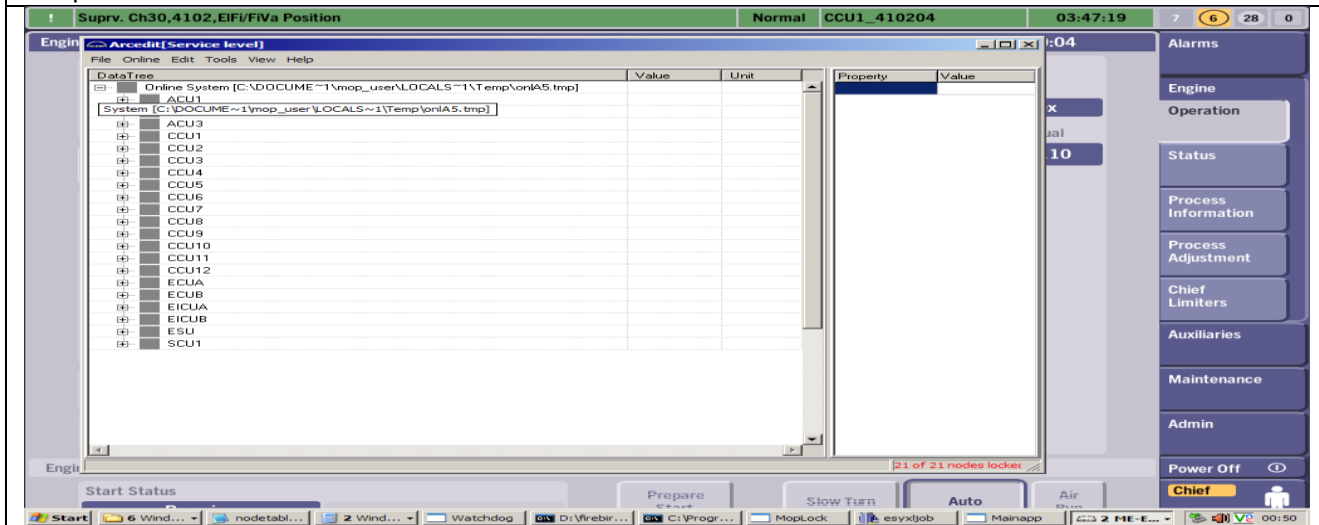
Step 4.

The parameter file has been transferred.



Step 5.

To open the structure tree click the +

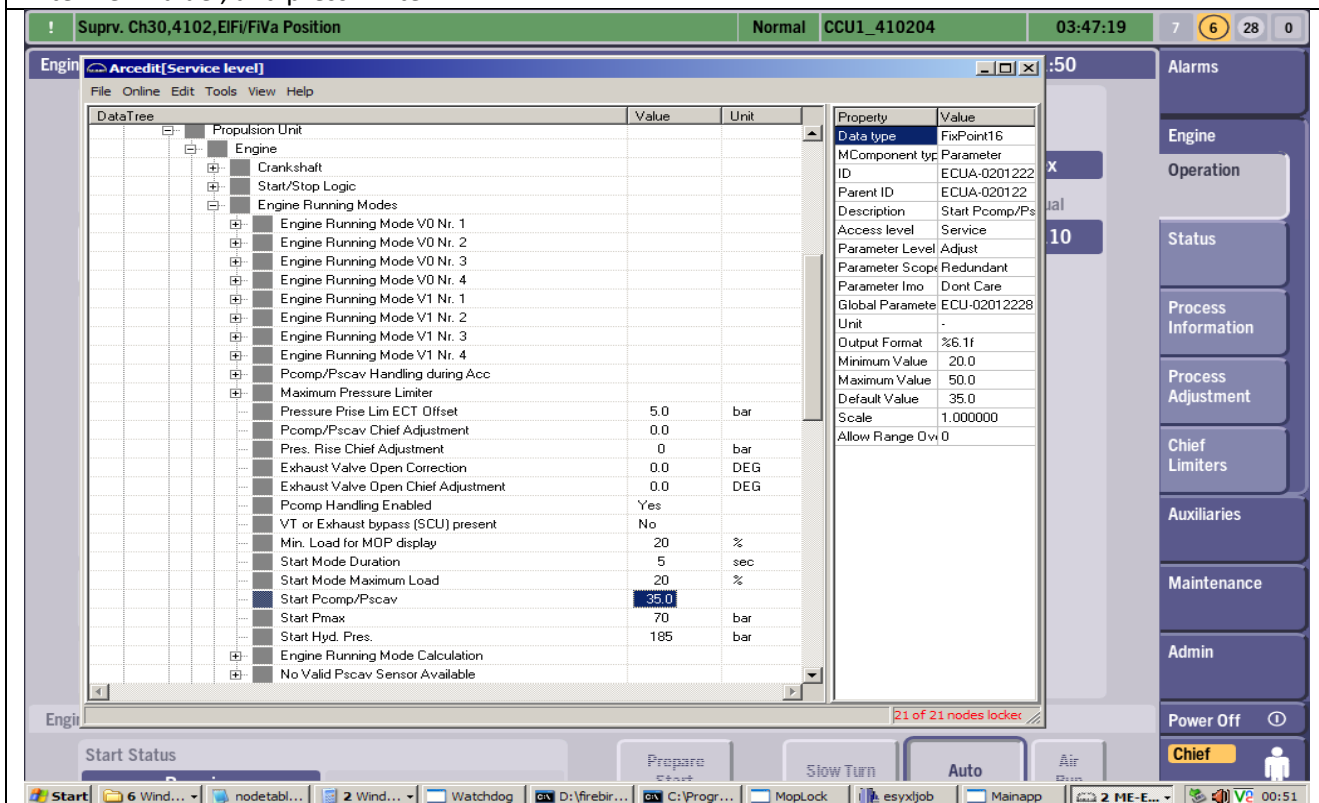


Step 6.

Navigate to the parameter which has to be changed.

Highlight the parameter, and press "F2"

Enter new value., and press "Enter"



Step 7.

When asked "set all instances of global parameter?" select "Yes"

The screenshot shows the Arcedit software interface. On the left, a tree view displays the system hierarchy: CCU9, CCU10, CCU11, CCU12, ECUA, ECU, System, IO, Propulsion Unit, Engine, Crankshaft, Start/Stop Logic, Engine Running Modes, Engine Running Mode 1, Engine Running Mode 2, Engine Running Mode 3, Engine Running Mode 4, Pcomp/Pscav Chief Adjustment, Pres. Rise Chief Adjustment, Exhaust Valve Open Correction, Exhaust Valve Open Chief Adjustment, Pcomp Handling Enabled, VT or Exhaust bypass (SCU) present, Min. Load for MDP display, Start Mode Duration, Start Mode Maximum Load, Start Pcomp/Pscav, Start Pmax, Start Hyd. Pres., Engine Running Mode Calculation, No Valid Pscav Sensor Available, Local Control Panel, Cylinder PMI Control, Cylinder Lubrication, AutoTuning, Fuel Quality Adjustment, Number of Cylinders, Engine Inertia, Engine Speed at MCR, Engine Power at MCR, Mean Effective pressure at MCR, and Scavange Air Pressure at MCR. The main window displays a table of parameters with columns for Name, Value, and Unit. A dialog box titled "Global Parameter" is open in the center, asking "Set all instances of global parameter?" with "Yes" and "No" buttons. On the right, a property window shows details for the selected parameter, including Data type, MComponent type, ID, Parent ID, Description, Access level, Parameter Level, Parameter Scope, Parameter Info, Global Parameter, Unit, Output Format, Minimum Value, Maximum Value, Default Value, Scale, and Allow Range.

Name	Value	Unit
Pcomp/Pscav Chief Adjustment	0.0	bar
Pres. Rise Chief Adjustment	0.0	bar
Exhaust Valve Open Correction	0.0	DEG
Exhaust Valve Open Chief Adjustment	0.0	DEG
Pcomp Handling Enabled	No	
VT or Exhaust bypass (SCU) present	Yes	
Min. Load for MDP display	5	%
Start Mode Duration	5	sec
Start Mode Maximum Load	20	%
Start Pcomp/Pscav		
Start Pmax	70	bar
Start Hyd. Pres.	185	bar
Engine Running Mode Calculation		
No Valid Pscav Sensor Available		
Local Control Panel		
Cylinder PMI Control		
Cylinder Lubrication		
AutoTuning		
Fuel Quality Adjustment		
Number of Cylinders	12	
Engine Inertia	45300	kgm2
Engine Speed at MCR	184.0	RPM
Engine Power at MCR	31500	kW
Mean Effective pressure at MCR	19.0	bar
Scavange Air Pressure at MCR	2.60	bar

Step 8.

Select "Online" and "MOP – MPC"

The screenshot shows the Arcedit software interface. The top bar displays "Suprv. Ch30.4102.EIF/FIVa Position", "Normal", "CCU1 410204", and "03:47:19". The left sidebar shows the "Engine > Operation" menu. The main window displays a table of parameters with columns for Name, Value, and Unit. A context menu is open over the "MOP - MPC" parameter, showing options: "MPC -> MOP", "MOP -> MPC", "Lock all nodes", "Unlock all nodes", and "Save Copy...". The right sidebar shows the "Property" window for the selected parameter, displaying details such as Data type, MComponent type, ID, Parent ID, Description, Access level, Parameter Level, Parameter Scope, Parameter Info, Global Parameter, Unit, Output Format, Minimum Value, Maximum Value, Default Value, Scale, and Allow Range.

Name	Value	Unit
Crnkshaft		
rt/Stop Logic		
Engine Running Modes		
Engine Running Mode V0 Nr. 1		
Engine Running Mode V0 Nr. 2		
Engine Running Mode V0 Nr. 3		
Engine Running Mode V0 Nr. 4		
Engine Running Mode V1 Nr. 1		
Engine Running Mode V1 Nr. 2		
Engine Running Mode V1 Nr. 3		
Engine Running Mode V1 Nr. 4		
Pcomp/Pscav Handling during Acc		
Maximum Pressure Limiter		
Pressure Rise Lim ECT Offset	5.0	bar
Pcomp/Pscav Chief Adjustment	0.0	bar
Pres. Rise Chief Adjustment	0.0	bar
Exhaust Valve Open Correction	0.0	DEG
Exhaust Valve Open Chief Adjustment	0.0	DEG
Pcomp Handling Enabled	Yes	
VT or Exhaust bypass (SCU) present	No	
Min. Load for MDP display	20	%
Start Mode Duration	5	sec
Start Mode Maximum Load	20	%
Start Pcomp/Pscav	46.0	
Start Pmax	70	bar
Start Hyd. Pres.	185	bar
Engine Running Mode Calculation		
No Valid Pscav Sensor Available		
Local Control Panel		
Cylinder PMI Control		

Step 9.

To start transfer of new parameter select “Start”.

After transfer is completed close the program Arcedit.

The screenshot displays the Arcedit software interface. The main window is titled "Parameter Transfer" and contains a table with the following columns: Node ID, Arcnet adr., Online Status, Transfer Status, and Lock. The table lists various nodes, including EICUA, EICUB, ECUA, ECUB, ESU, ACU1, ACU2, ACU3, SCU1, CCU1 through CCU12. Nodes ECUA and ECUB are selected with checkboxes. The "Transfer Status" for all nodes is "Idle". At the bottom of the window, there are buttons for "Unlock", "Keep nodes locked" (checked), "Restart App", "Start", "Stop", and "Close".

Node ID	Arcnet adr.	Online Status	Transfer Status	Lock
EICUA	192	Normal	Idle	No
EICUB	193	Normal	Idle	No
ECUA	208	Normal	Idle	No
ECUB	209	Normal	Idle	No
ESU	223	Normal	Idle	No
ACU1	224	Normal	Idle	No
ACU2	225	Normal	Idle	No
ACU3	226	Normal	Idle	No
SCU1	239	Normal	Idle	No
CCU1	240	Normal	Idle	No
CCU2	241	Normal	Idle	No
CCU3	242	Normal	Idle	No
CCU4	243	Normal	Idle	No
CCU5	244	Normal	Idle	No
CCU6	245	Normal	Idle	No
CCU7	246	Normal	Idle	No
CCU8	247	Normal	Idle	No
CCU9	248	Normal	Idle	No
CCU10	249	Normal	Idle	No
CCU11	250	Normal	Idle	No
CCU12	251	Normal	Idle	No

The background interface shows various engine status indicators and a sidebar with buttons for different engine functions.