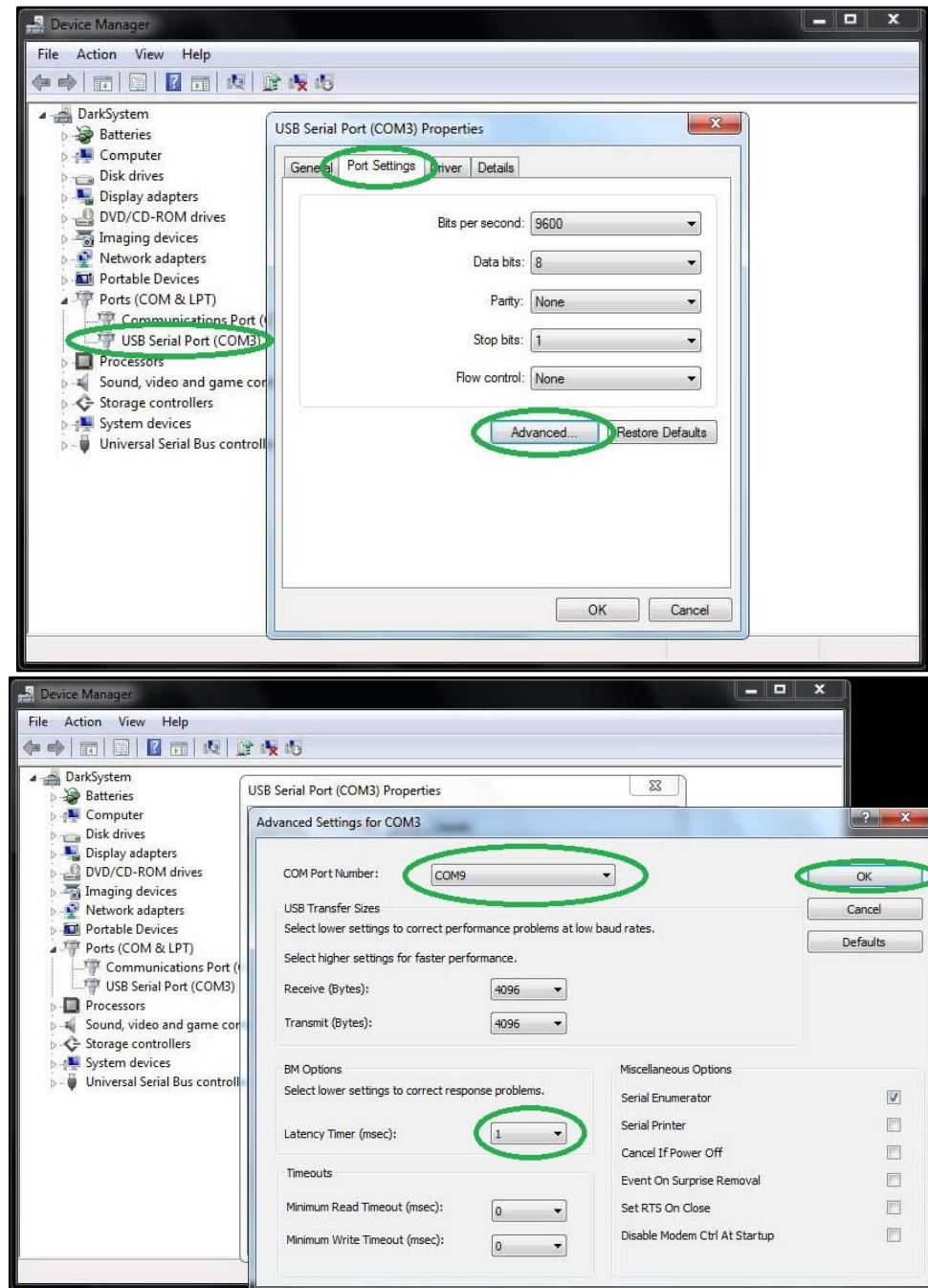


Using BMW Rheingold ISTA with USB K+D-CAN cable

1. Plug your K+D-CAN cable and install drivers. For FTDI based cables use latest drivers.

2. Open “Device Manager”, then USB Serial Port properties, go to “Port Settings” tab and click “Advanced...”. Change port number to “COM9” and latency timer to “1”. Confirm configuration via “OK” button.



3. Open C:\EDIABAS\BIN\EDIABAS.INI with Notepad and check for “Interface = STD:OBD”. In TCP settings set “Port = 6801”.

EDIABAS - Notepad

File Edit Format View Help

```
;#####
;# EDIABAS 7.3.0 #
;#####

=====
[Configuration]
=====
Interface      = STD:OBD
#Interface     = REMOTE

Simulation     = 0

EcuPath        = C:\EDIABAS\ECU
SimulationPath = C:\EDIABAS\SIM
TracePath       = C:\EDIABAS\TRACE
TraceSize       = 1024

ApiTrace       = 0
IfhTrace       = 0
; IfhnTrace     = 0

; SystemTraceSys = 0
; SystemTraceBip = 0
; SystemTraceIfh = 0
; SystemTraceNet = 0

; BipDebugLevel = 0
; BipErrorLevel = 0

UbattHandling  = 0
IgnitionHandling = 0
ClampHandling  = 0
```

EDIBAS - Notepad

File Edit Format View Help

```
TraceSync      = 1
; Tracewriter   = <FilePathName>

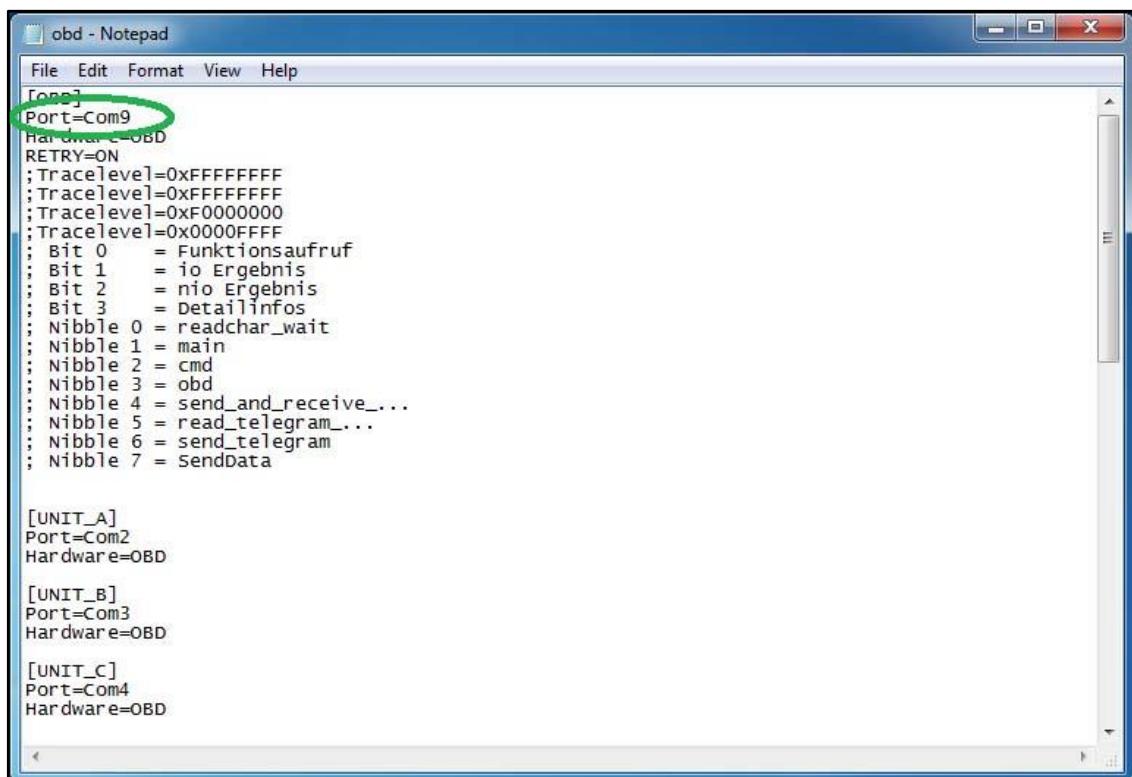
;-----[TCP]-----;
RemoteHost     = 102.168.68.40
Port           = 6801
TimeoutConnect = 2000
TimeoutReceive = 2000
TimeoutFunction = 10000
; TimeResponsePending = 5000
; DisconnectOnApiEnd = 1
; InitCmd0      = FE,04,00,03,01
; InitCmd1      = FD,05,00,03,01

;-----[XEthernet]-----;
RemoteHost     = Autodetect
HeaderFormat   = 0
TesterAddress  = F4,F5
ControlPort    = 6811
DiagnosticPort = 6801
TimeoutConnect = 20000

;-----[IfhProxy]-----;
Port           = 6700

;#####
;##### ausführliche Variante von EDIBAS.ini (mit Kurz-Info und Default) #####
;#####
```

4. Open C:\EDIABAS\BIN\OBD.INI with Notepad and check for "Port=Com9".



```
[Port]
Port=Com9
Hardware=OBD
RETRY=ON
;Tracelevel=0xFFFFFFFF
;Tracelevel=0xFFFFFFFF
;Tracelevel=0x00000000
;Tracelevel=0x0000FFFF
; Bit 0 = Funktionsaufruf
; Bit 1 = io Ergebnis
; Bit 2 = nio Ergebnis
; Bit 3 = Detailinfos
; Nibble 0 = readchar_wait
; Nibble 1 = main
; Nibble 2 = cmd
; Nibble 3 = obd
; Nibble 4 = send_and_receive...
; Nibble 5 = read_telegram...
; Nibble 6 = send_telegram
; Nibble 7 = SendData

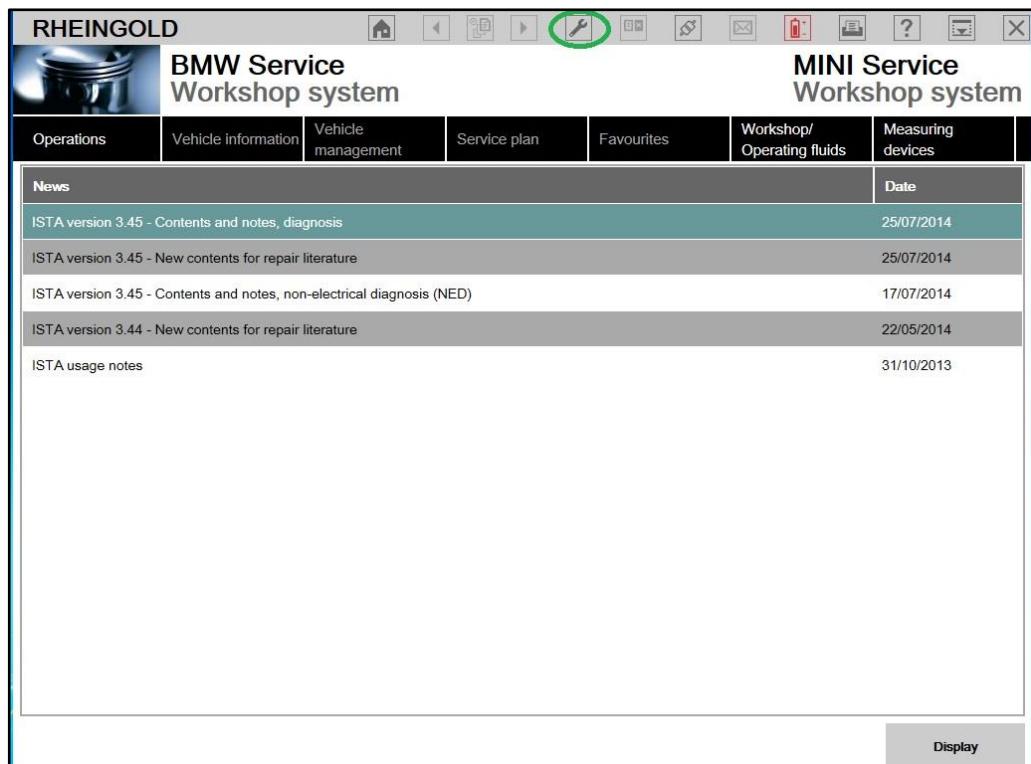
[UNIT_A]
Port=Com2
Hardware=OBD

[UNIT_B]
Port=Com3
Hardware=OBD

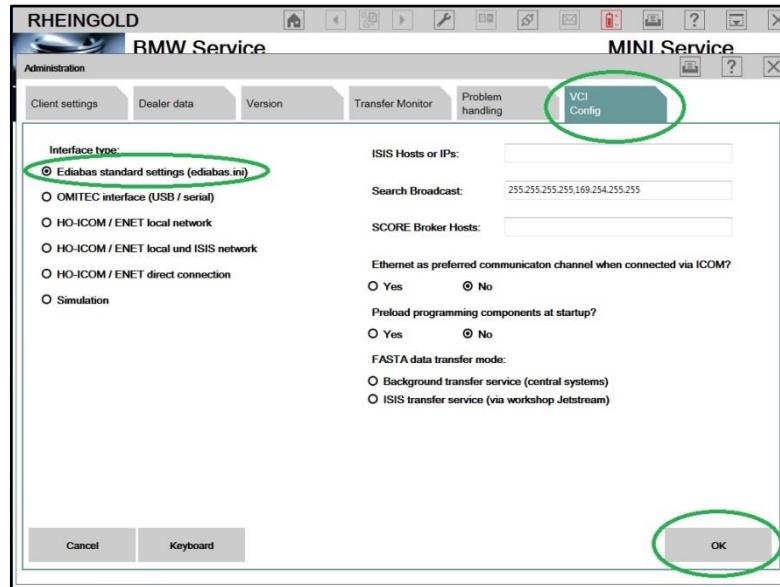
[UNIT_C]
Port=Com4
Hardware=OBD
```

5. Connect car with K+D-CAN cable to PC.

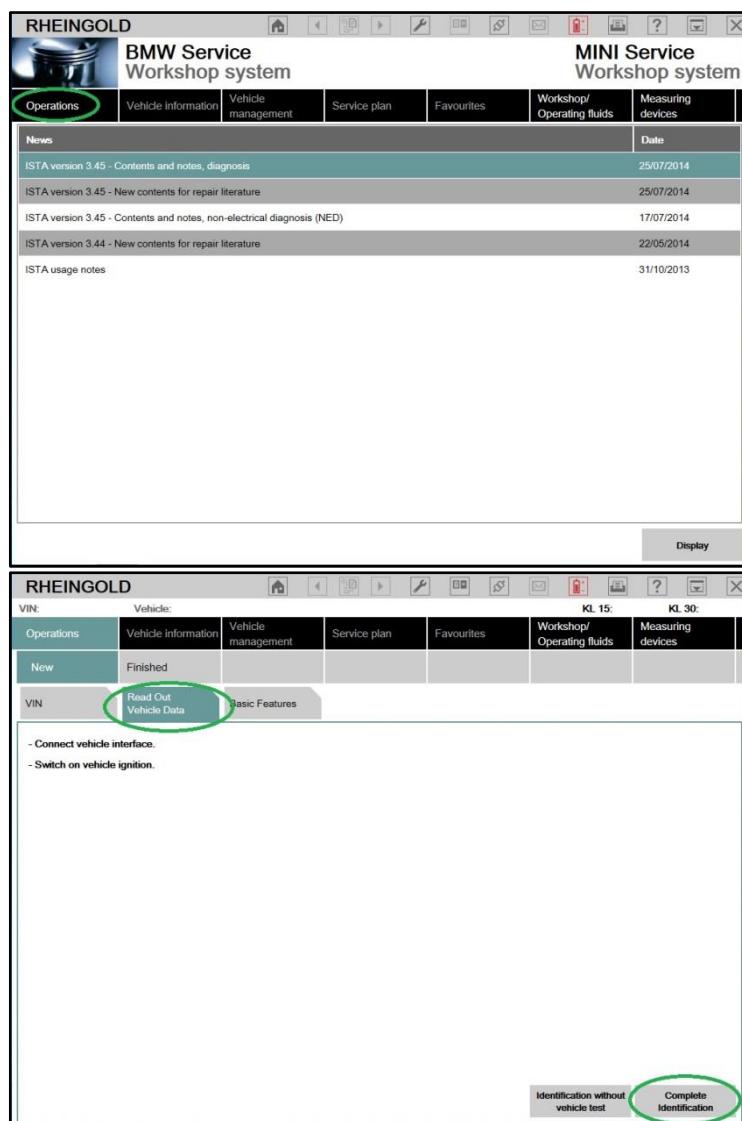
6. Now run BMW Rheingold ISTA using shortcut in start menu and wait until it boots, then press settings button.



7. Select “VCI Config” tab and “Ediabas standard settings (ediabas.ini)”, then “OK”.



8. Go “Operations”, then “Read Out Vehicle Data” and “Complete Identification”.



RHEINGOLD

VIN: Vehicle: KL 15: - KL 30: -

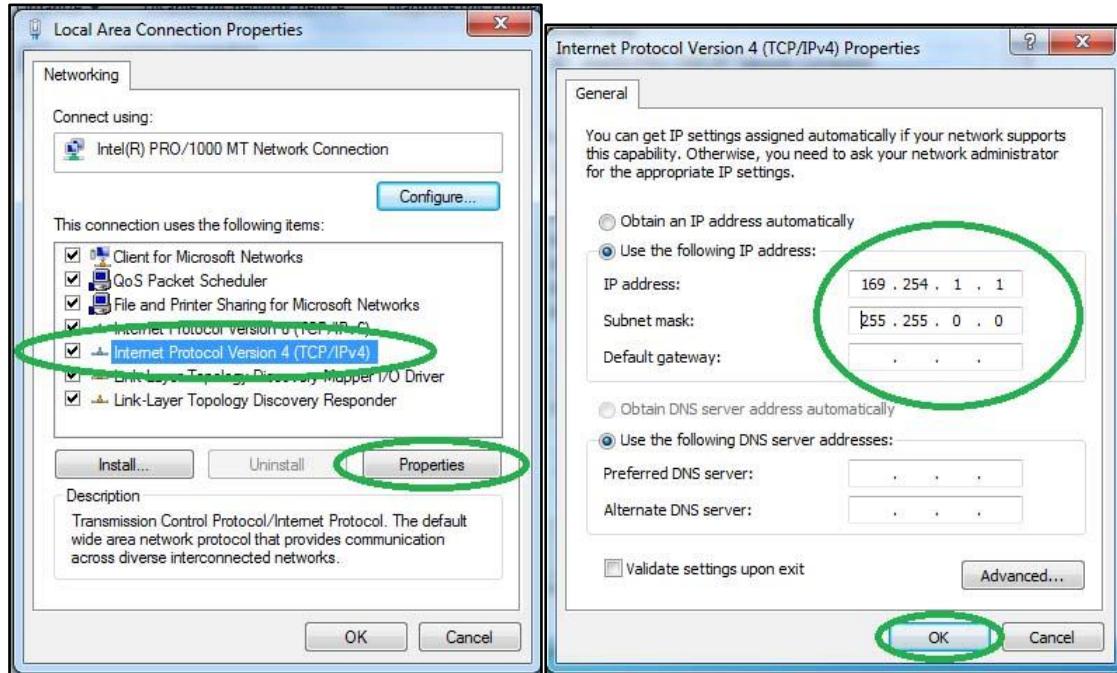
Operations	Vehicle information	Vehicle management	Service plan	Favourites	Workshop/ Operating fluids	Measuring devices
Vehicle details	Repair history	Control unit tree	Control unit list	Operations report		

VIN

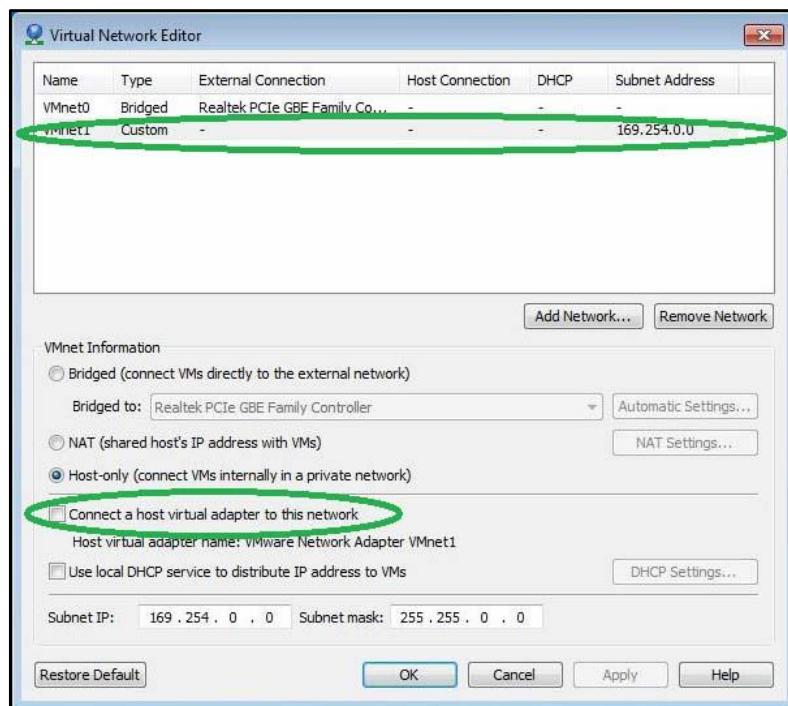
Series	Development code:	Production date	Gearbox			
Model	Engine	National-market version	Body			
Steering	First registration	Emissions	Gearbox number			
Basic type (model code)	Warranty		Paint code			
Type approval no.:	Drive		Upholstery code			
Construction date:	Integration level factory:	Integration level actual:				
/						
Technical actions:						
Status	Special defect code	Title				
Customer complaint:						
Breakdown:		<input type="radio"/> Yes <input checked="" type="radio"/> No		Start vehicle test		Information search

Using BMW Rheingold ISTA with ICOM

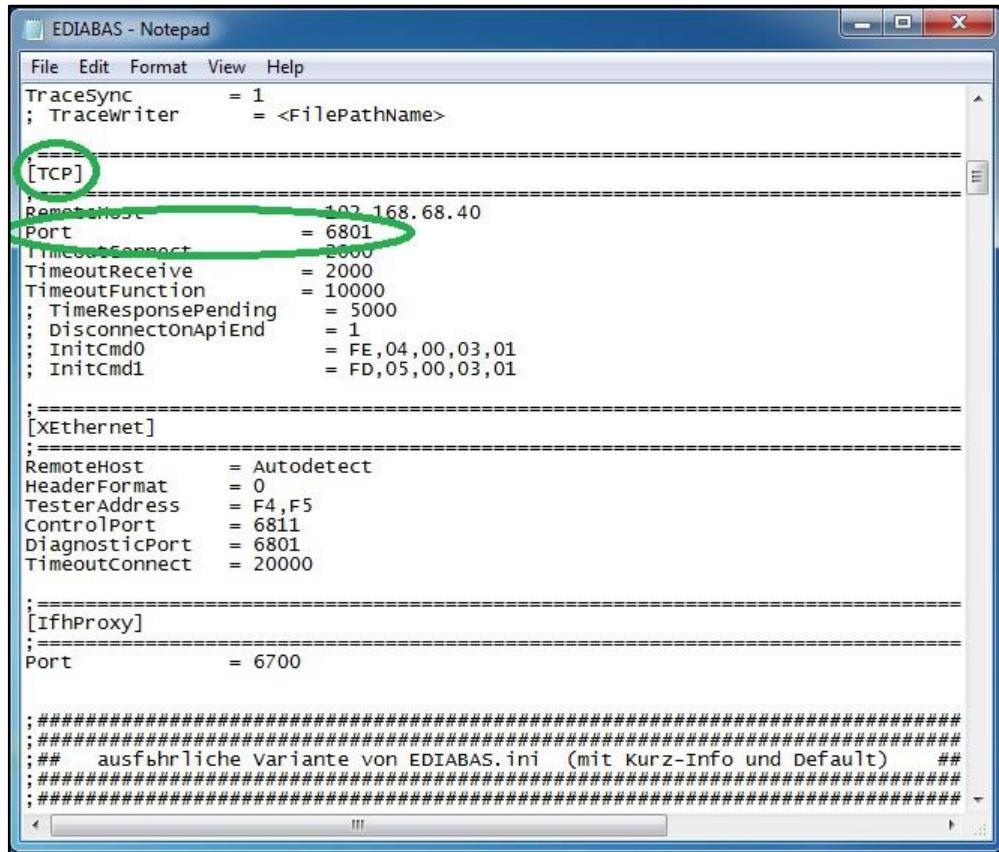
1. Open used for connection network adapter properties, then “Internet Protocol Version 4 (TCP/IPv4)” properties, then enter 169.254.1.1 for “IP address” and 255.255.0.0 for “Subnet mask”.



2. If VMware is installed, open Virtual Network Editor and disconnect from the host any adapters with Subnet Address 169.254.0.0.

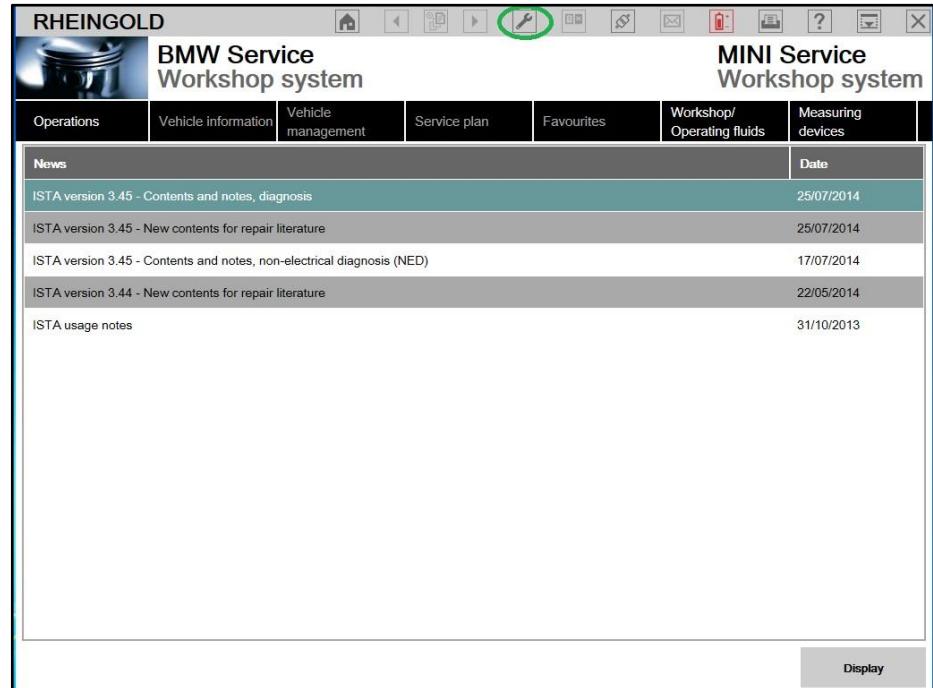


3. Open C:\EDIABAS\BIN\EDIABAS.INI with Notepad and check for “Port = 6801” in TCP settings.

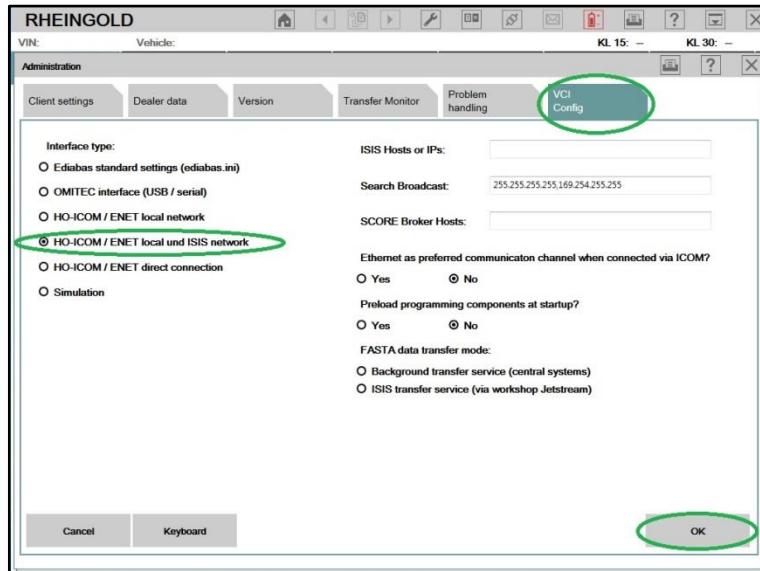


4. Connect car with ICOM to PC.

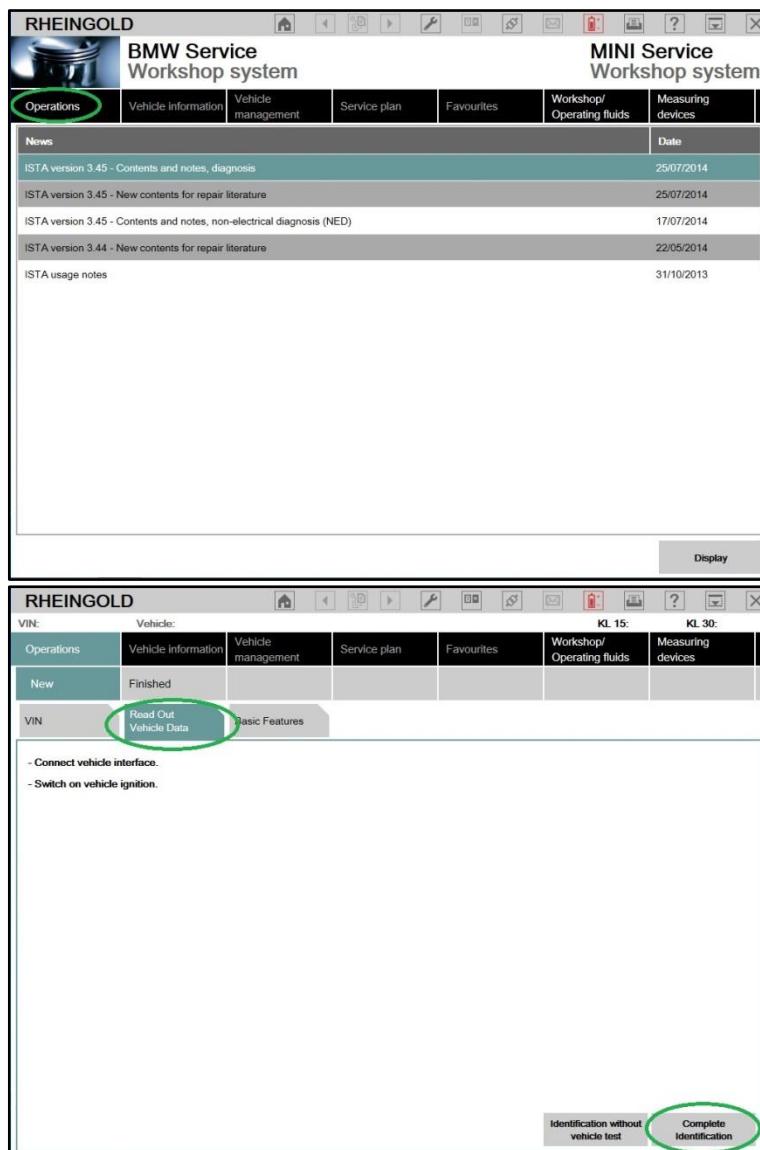
5. Now run BMW Rheingold ISTA using shortcut in start menu and wait until it boots, then press settings button.



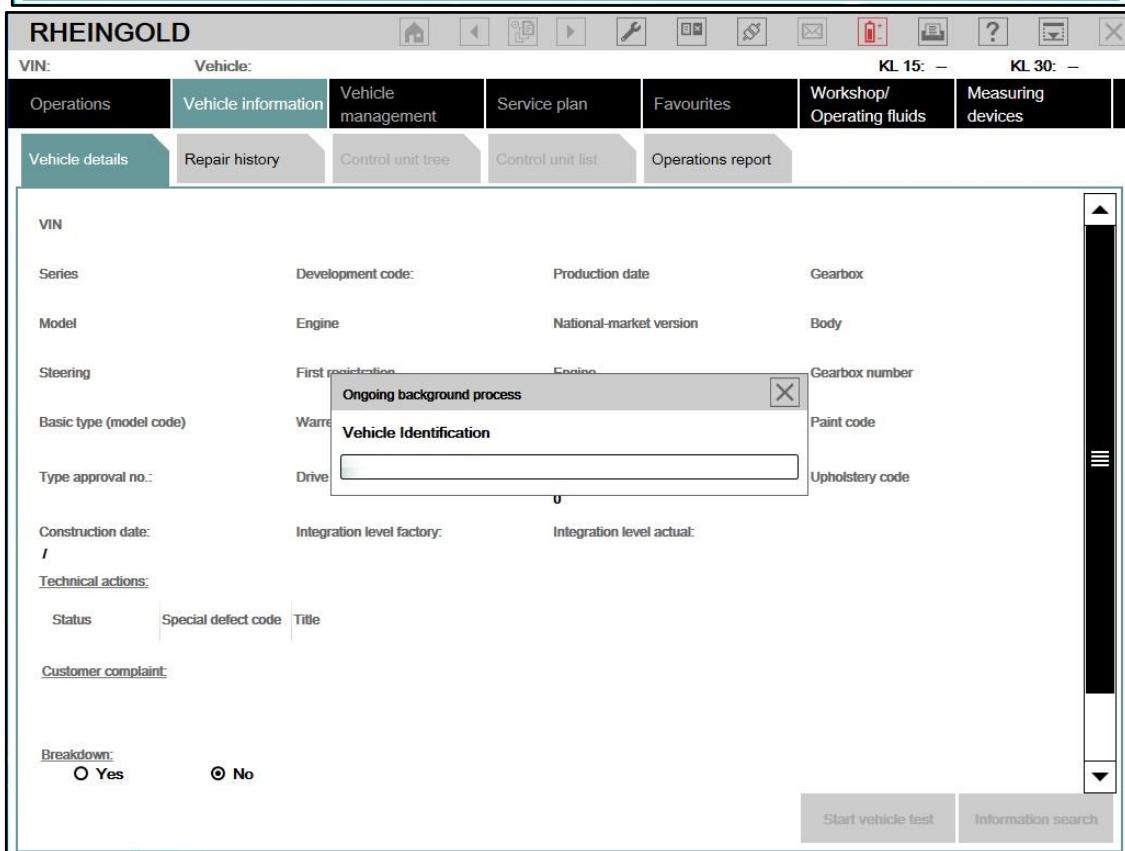
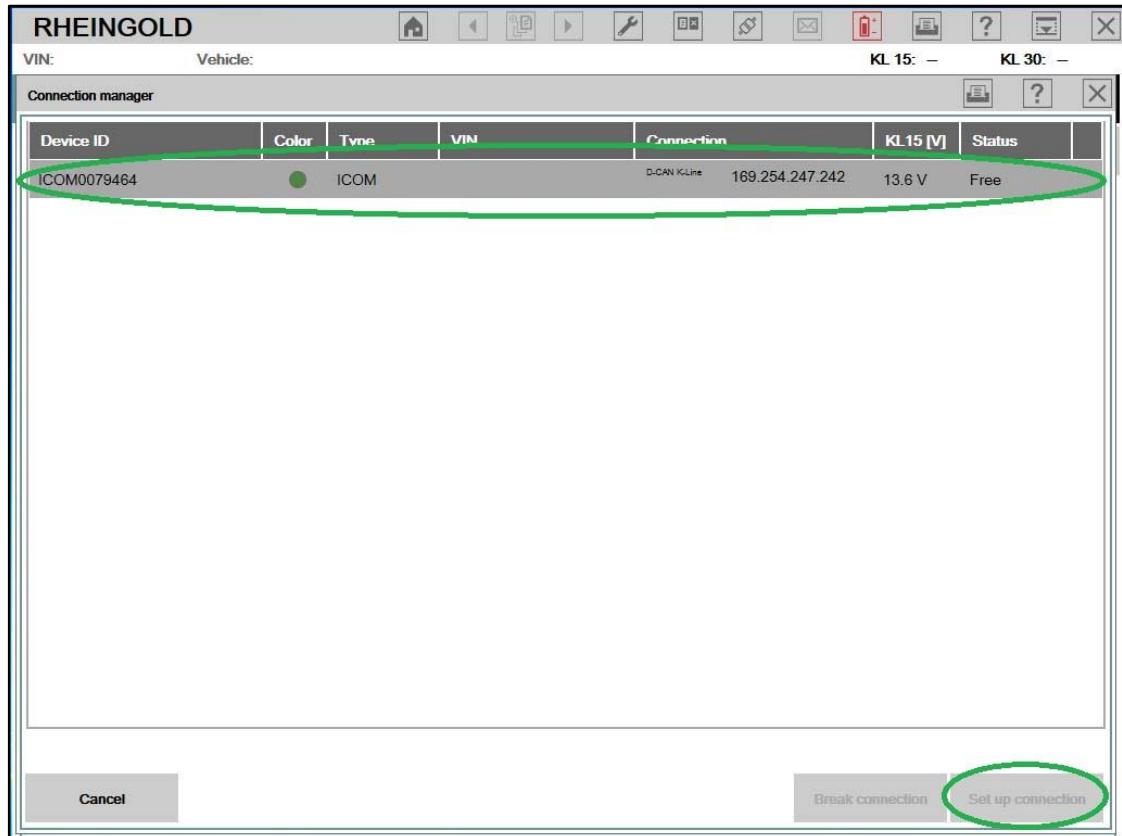
7. Select “VCI Config” tab and “HO-ICOM/ENET local and ISIS network”, then “OK”.



8. Go “Operations”, then “Read Out Vehicle Data” and “Complete Identification”.

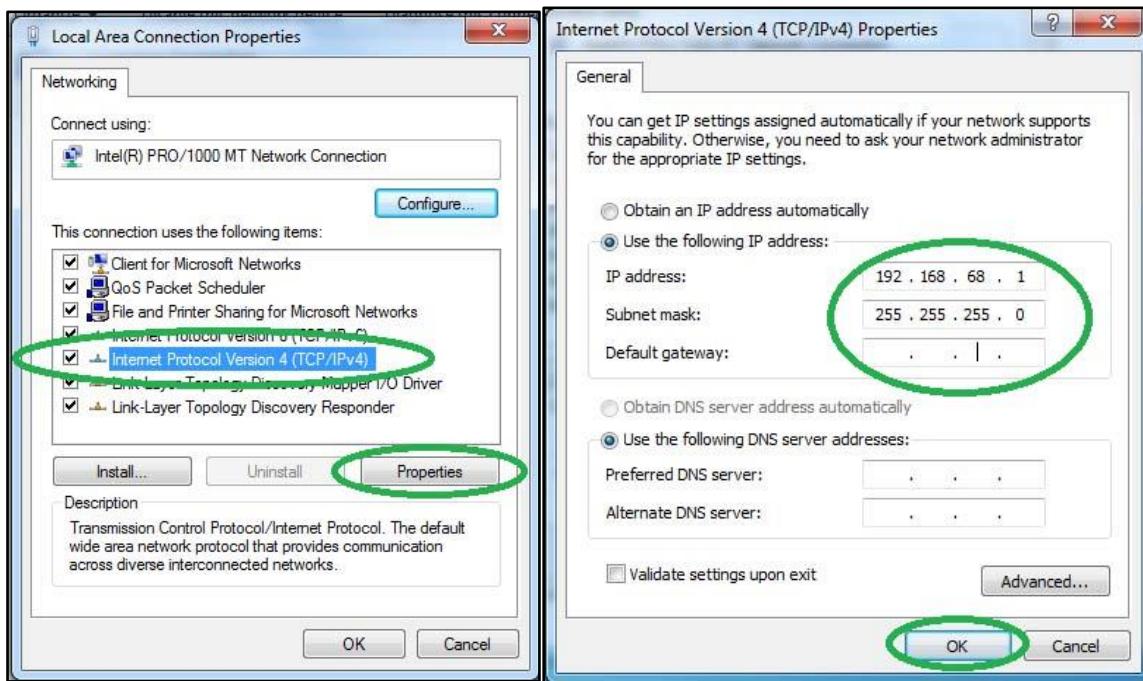


9. Select your ICOM from the list and press “Set up connection” button.



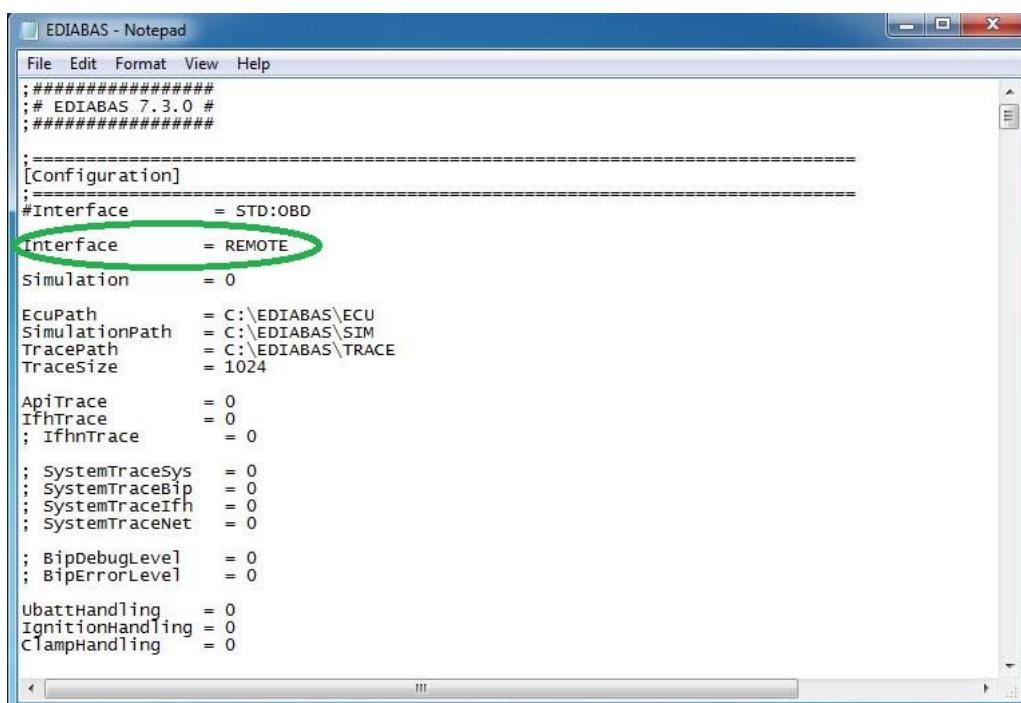
Using BMW Rheingold ISTA with OPS

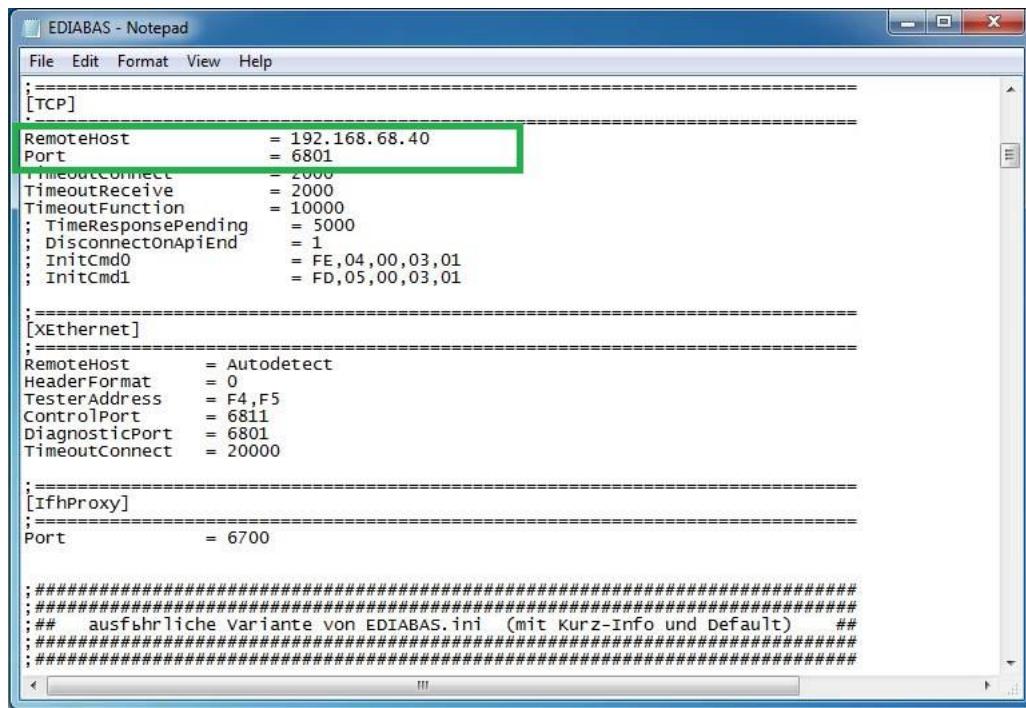
1. Open used for connection network adapter properties, then “Internet Protocol Version 4 (TCP/IPv4)” properties, then enter 192.168.68.1 for “IP address” and 255.255.255.0 for “Subnet mask”.



2. If VMware is installed, open Virtual Network Editor and disconnect from the host any adapters with Subnet Address 192.168.68.0.

3. Open C:\EDIABAS\BIN\EDIABAS.INI with Notepad and check for “Interface = REMOTE”. In TCP settings for variable “RemoteHost” specify your OPS IP and “Port = 6801”.





```

EDIABAS - Notepad
File Edit Format View Help
=====
[TCP]
RemoteHost      = 192.168.68.40
Port            = 6801
;TimeOutConnect = 2000
;TimeOutReceive = 2000
;TimeoutFunction = 10000
; TimeResponsePending = 5000
; DisconnectOnApiEnd = 1
; InitCmd0      = FE,04,00,03,01
; InitCmd1      = FD,05,00,03,01

=====
[XEthernet]
=====
RemoteHost      = Autodetect
HeaderFormat    = 0
TesterAddress   = F4,F5
ControlPort     = 6811
DiagnosticPort  = 6801
TimeOutConnect  = 20000

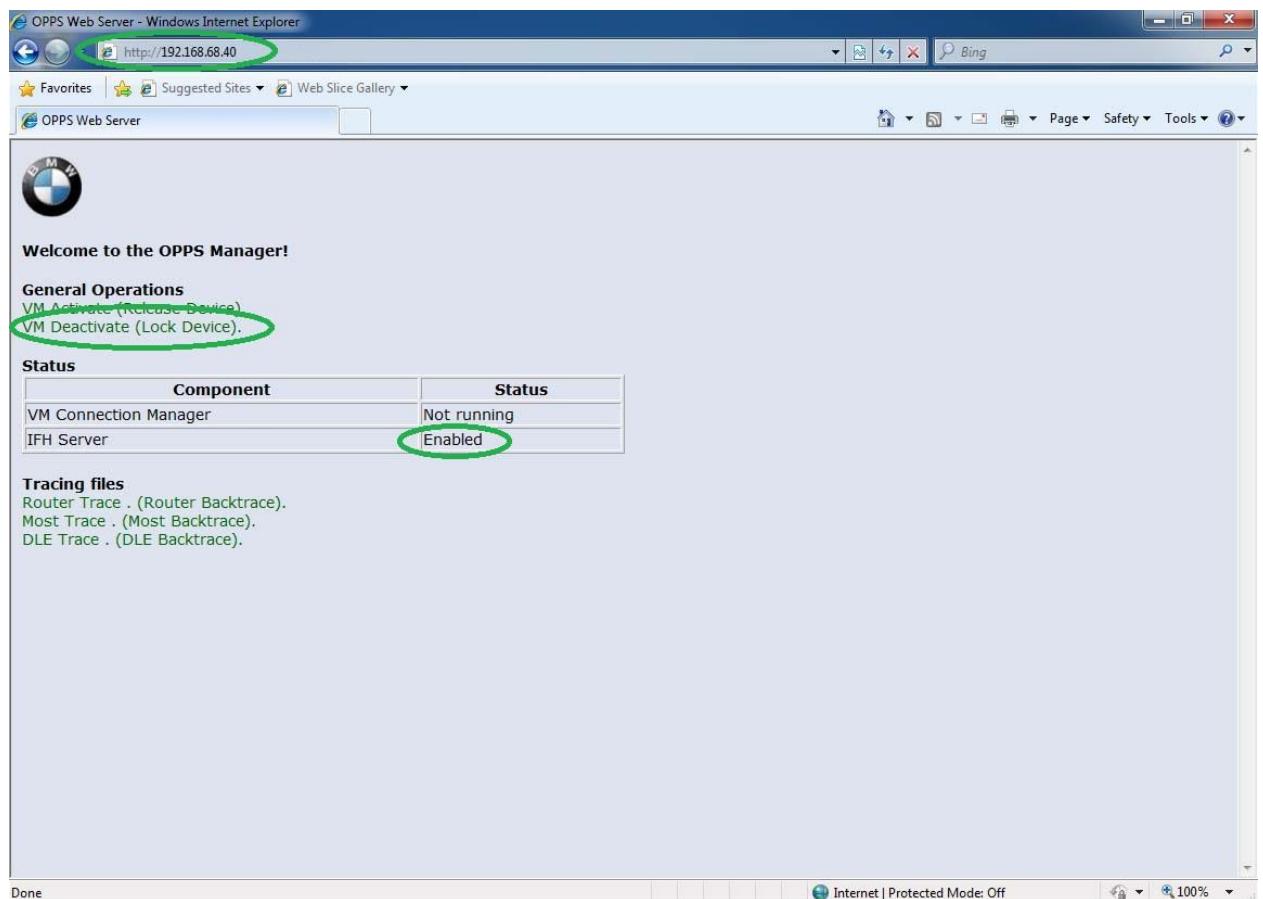
=====
[IfhProxy]
=====
Port            = 6700

=====
;#####
;#####
;##  auführliche Variante von EDIABAS.ini (mit kurz-Info und Default)  ##
;#####
;#####

```

4. Connect car with OPS to PC.

5. Start web-browser, open OPS panel and “Lock device”.



OPPS Web Server - Windows Internet Explorer

http://192.168.68.40

OPPS Web Server

Welcome to the OPPS Manager!

General Operations

VM Activate (Release Device)
VM Deactivate (Lock Device).

Status

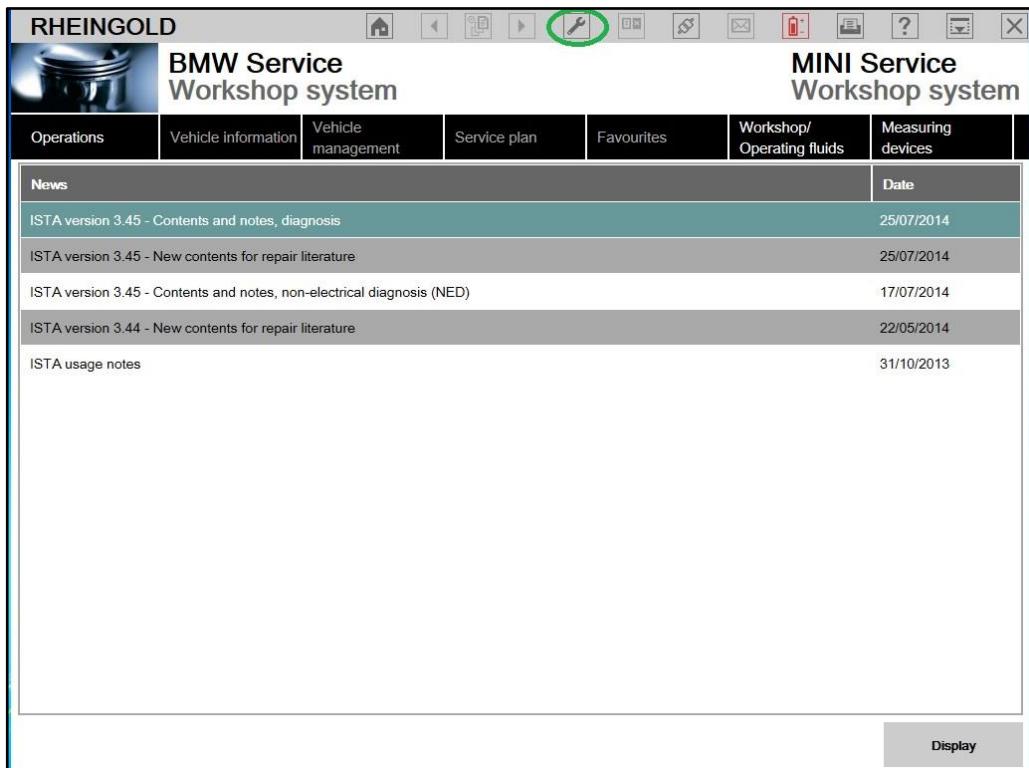
Component	Status
VM Connection Manager	Not running
IFH Server	Enabled

Tracing files

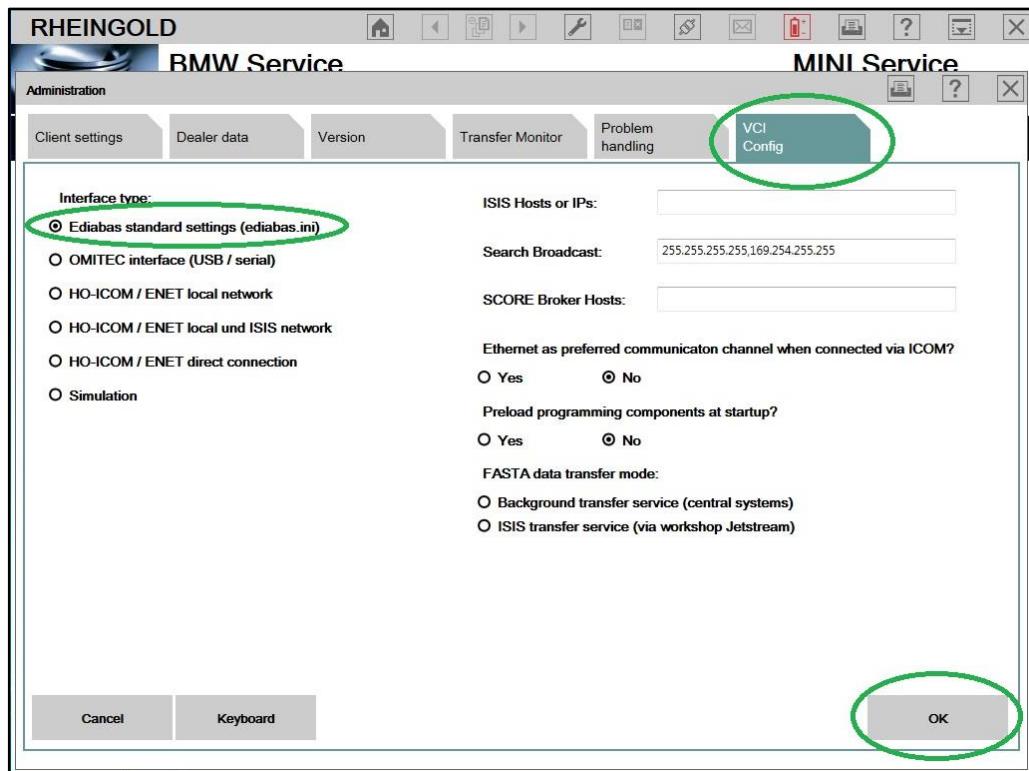
Router Trace . (Router Backtrace).
Most Trace . (Most Backtrace).
DLE Trace . (DLE Backtrace).

Internet | Protected Mode: Off | 100%

6. Now run BMW Rheingold ISTA using shortcut in start menu and wait until it boots, then press settings button.



7. Select “VCI Config” tab and “Ediabas standard settings (ediabas.ini)”, then “OK”.



8. Go “Operations”, then “Read Out Vehicle Data” and “Complete Identification”.

RHEINGOLD BMW Service Workshop system MINI Service Workshop system

Operations Vehicle information Vehicle management Service plan Favourites Workshop/ Operating fluids Measuring devices

News

- ISTA version 3.45 - Contents and notes, diagnosis 25/07/2014
- ISTA version 3.45 - New contents for repair literature 25/07/2014
- ISTA version 3.45 - Contents and notes, non-electrical diagnosis (NED) 17/07/2014
- ISTA version 3.44 - New contents for repair literature 22/05/2014
- ISTA usage notes 31/10/2013

RHEINGOLD VIN: Vehicle: KL 15: KL 30:

Operations Vehicle information Vehicle management Service plan Favourites Workshop/ Operating fluids Measuring devices

New Finished

VIN Read Out Vehicle Data Basic Features

- Connect vehicle interface.
- Switch on vehicle ignition.

Identification without vehicle test Complete Identification

RHEINGOLD VIN: Vehicle: KL 15: - KL 30: -

Operations Vehicle information Vehicle management Service plan Favourites Workshop/ Operating fluids Measuring devices

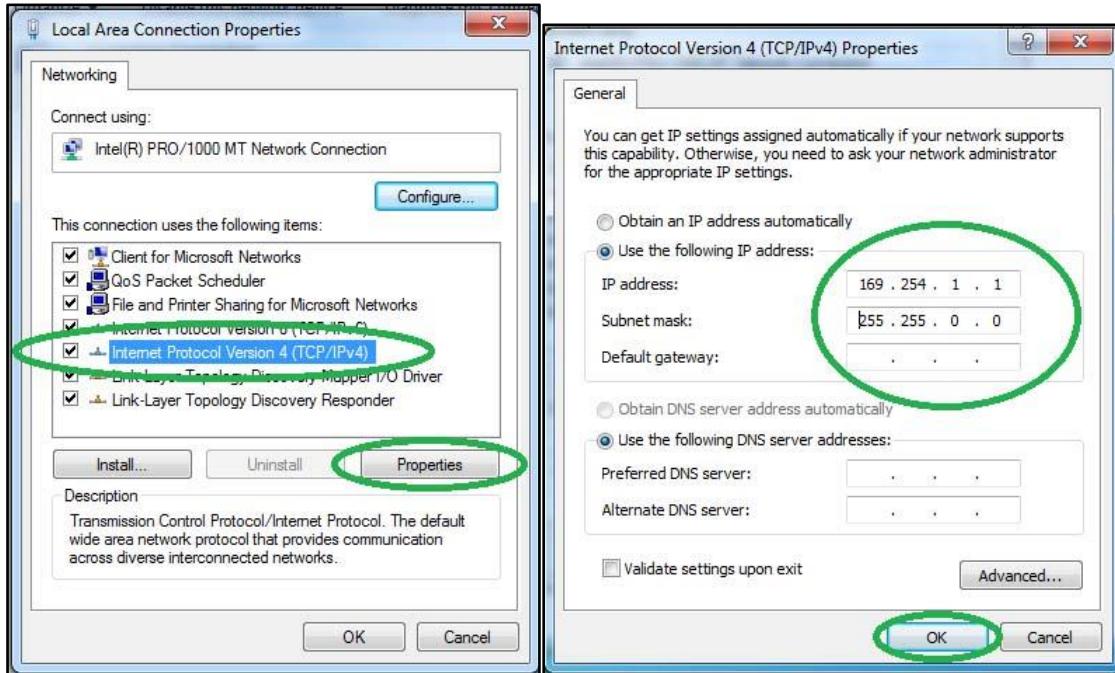
Vehicle details Repair history Control unit tree Control unit list Operations report

VIN

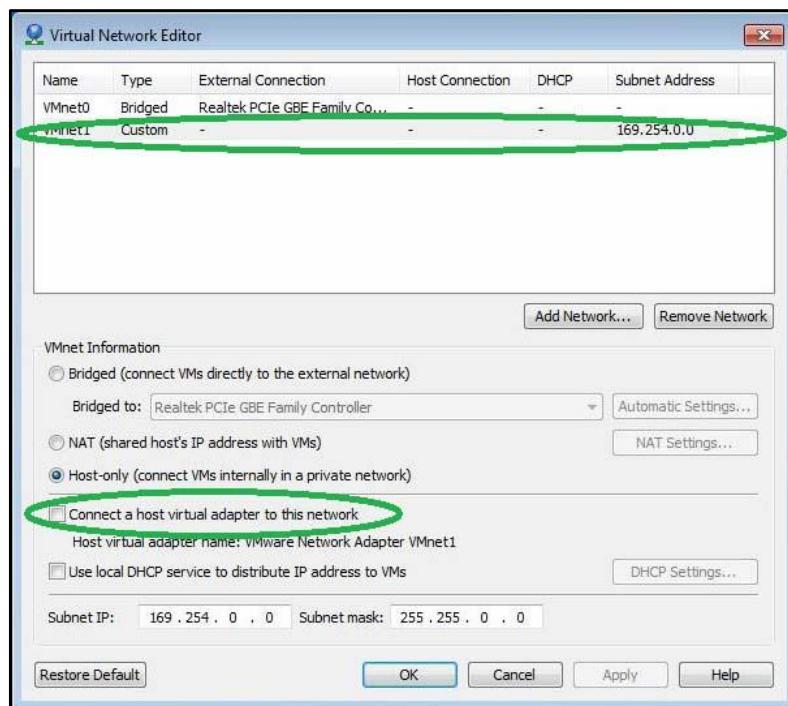
Series	Development code:	Production date	Gearbox
Model	Engine	National-market version	Body
Steering	First preselection	Engines	Gearbox number
Basic type (model code)	Wheels	Ongoing background process	<input type="button" value="X"/>
Type approval no.:	Drive	Vehicle identification	Paint code
Construction date:	Integration level factory:	Integration level actual:	Upholstery code
Technical actions:			
Status	Special defect code	Title	
Customer complaint:			
Breakdown: <input type="radio"/> Yes <input checked="" type="radio"/> No			
Start vehicle test		Information search	

Using BMW Rheingold ISTA with ENET cable

1. Open used for connection network adapter properties, then “Internet Protocol Version 4 (TCP/IPv4)” properties, then enter 169.254.1.1 for “IP address” and 255.255.0.0 for “Subnet mask”.

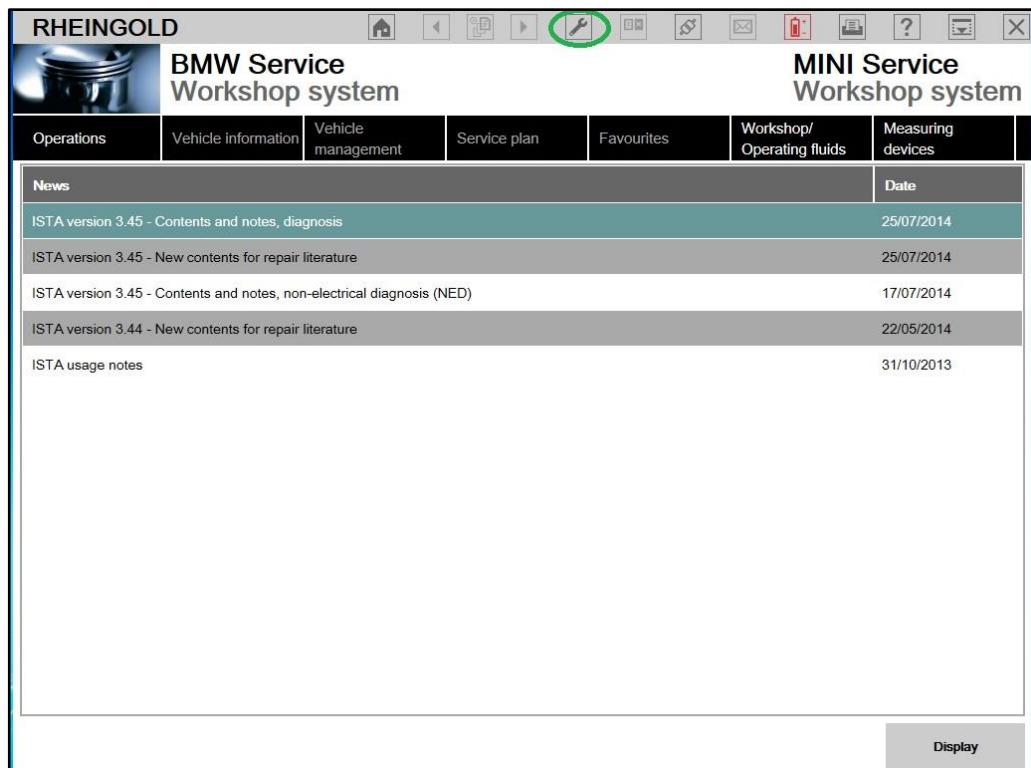


2. If VMware is installed, open Virtual Network Editor and disconnect from the host any adapters with Subnet Address 169.254.0.0.

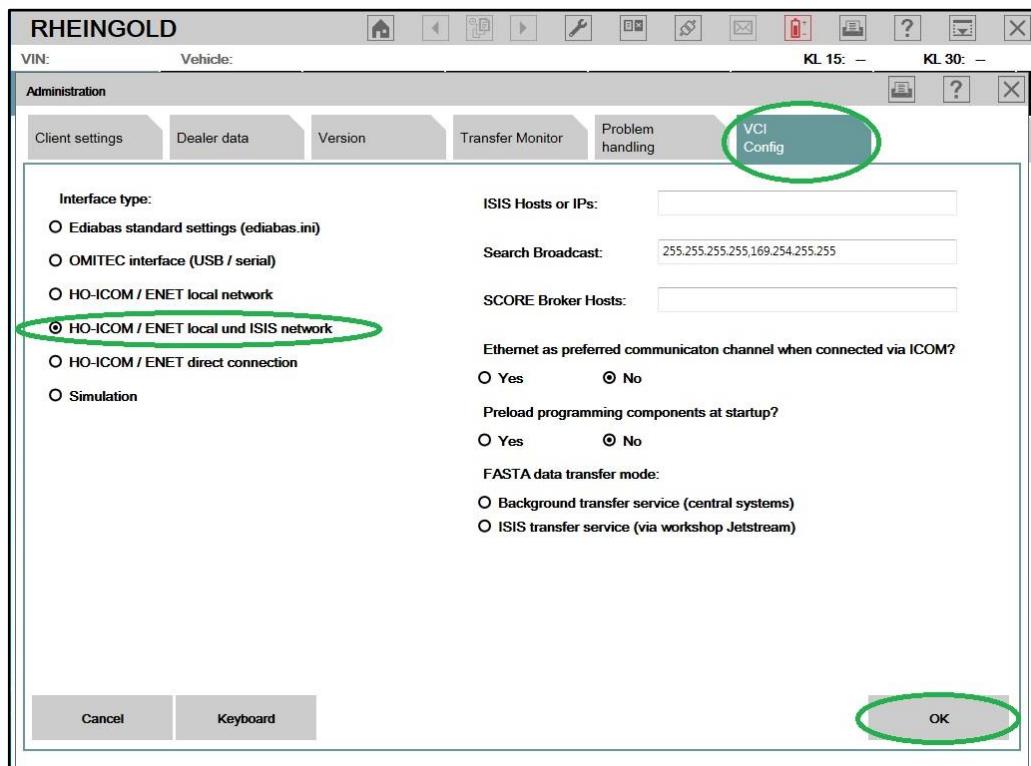


3. Connect car with ENET cable to PC, turn ignition on.

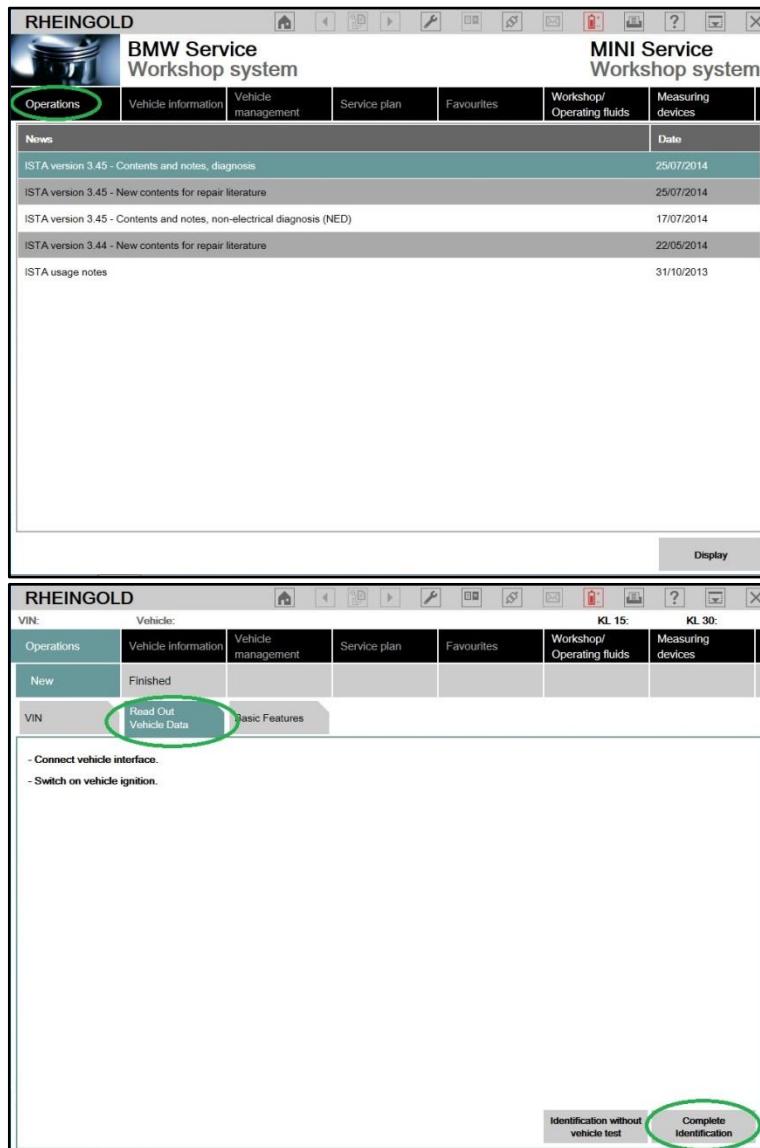
4. Now run BMW Rheingold ISTA using shortcut in start menu and wait until it boots, then press settings button.



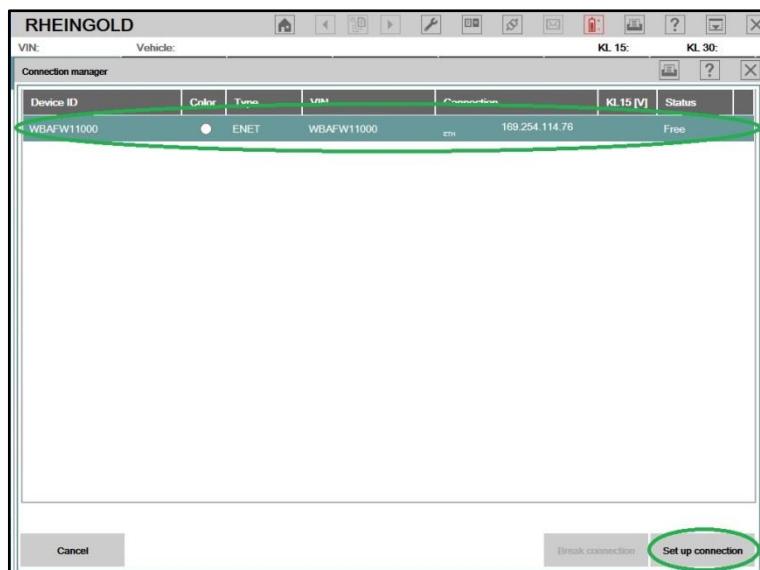
5. Select “VCI Config” tab and “HO-ICOM/ENET local and ISIS network”, then “OK”.

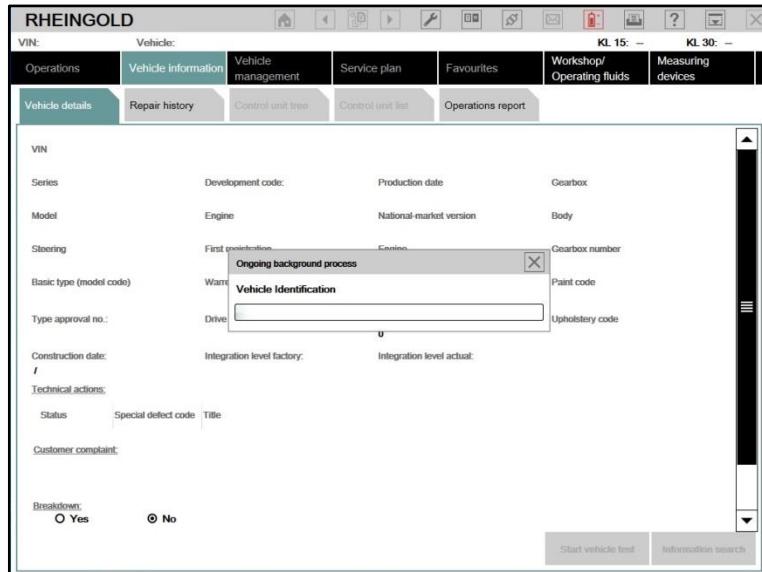


6. Go “Operations”, then “Read Out Vehicle Data” and “Complete Identification”.



7. Select your ENET connection from the list and press “Set up connection” button.





8. Alternatively you could select “HO-ICOM/ENET direct connection” in “VCI Config” tab and “ENET” mode with empty “IP-Address” field during connection setup.

