Ash Data Writing Procedure

<Function Select Window>

```
ENGINE - Microsoft Internet Explorer - [Working Offline]
                          ENGINE                    N401010000
 POWERTRAIN   ENGINE

    Self-diagnosis        Data List         Actuator Test

    Drive Recorder      OBD-II Test Mode       Voltmeter

      Resistor          ECU Information        ECU Reset
                               (1)
      Coding          Combination Actuator Test

 Select function.
```
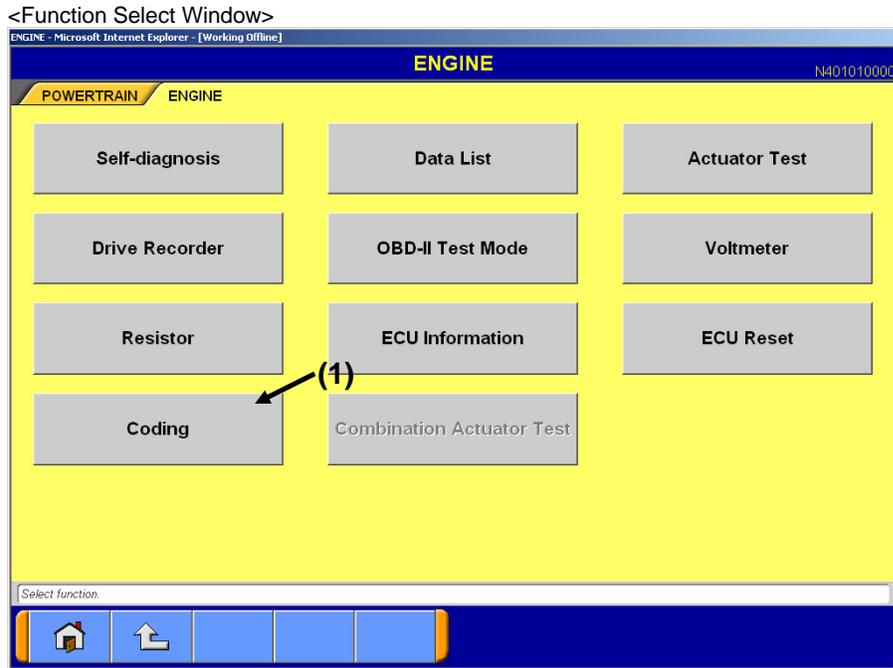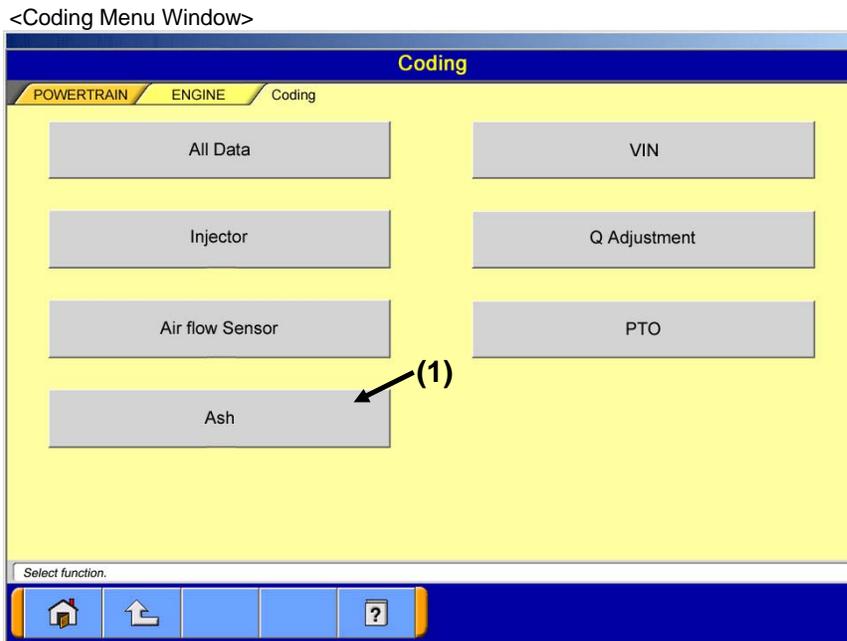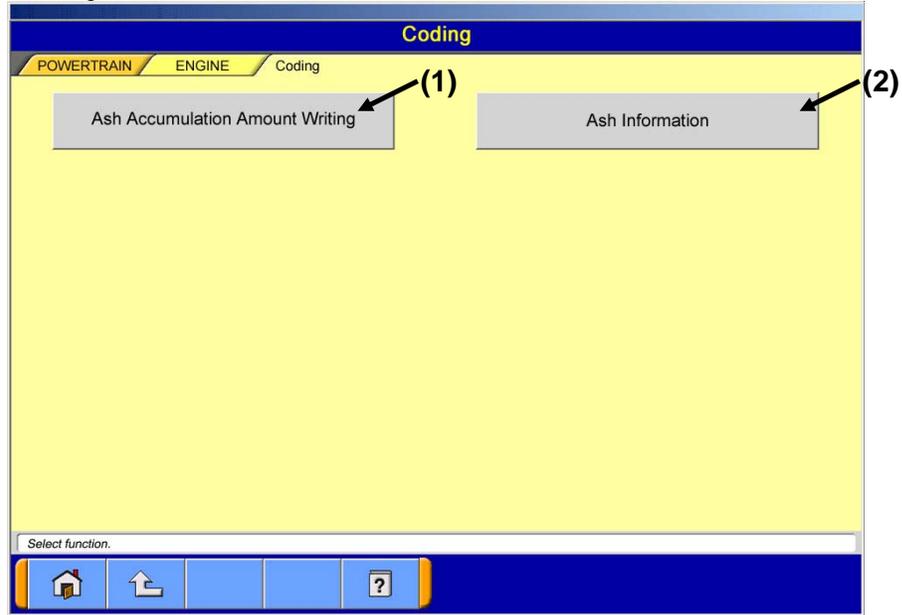
Window 1

· Press "Coding" button (Window 1: (1)) in Function Select Window to proceed to the Coding Menu Window (Window 2).

<Coding Menu Window>

```
                          Coding
 POWERTRAIN   ENGINE   Coding

      All Data                        VIN

      Injector                     Q Adjustment

    Air flow Sensor                    PTO
                          (1)
        Ash

 Select function.
                                         ?
```

Window 2

· Press "PTO" button (Window 2: (1)) to proceed to the Coding Submenu Window (Window 3).
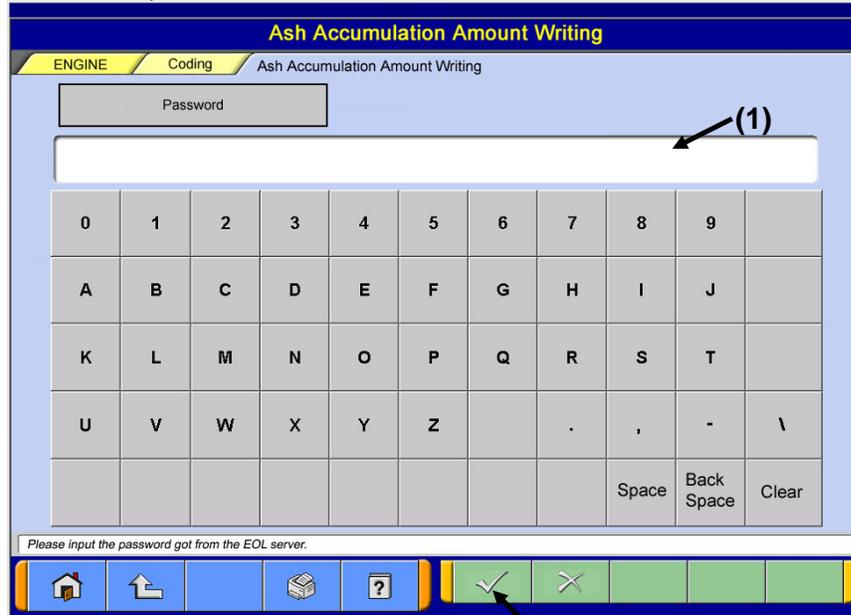
<Coding Submenu Window>

Window 3

· Press Function button to proceed to the following windows.

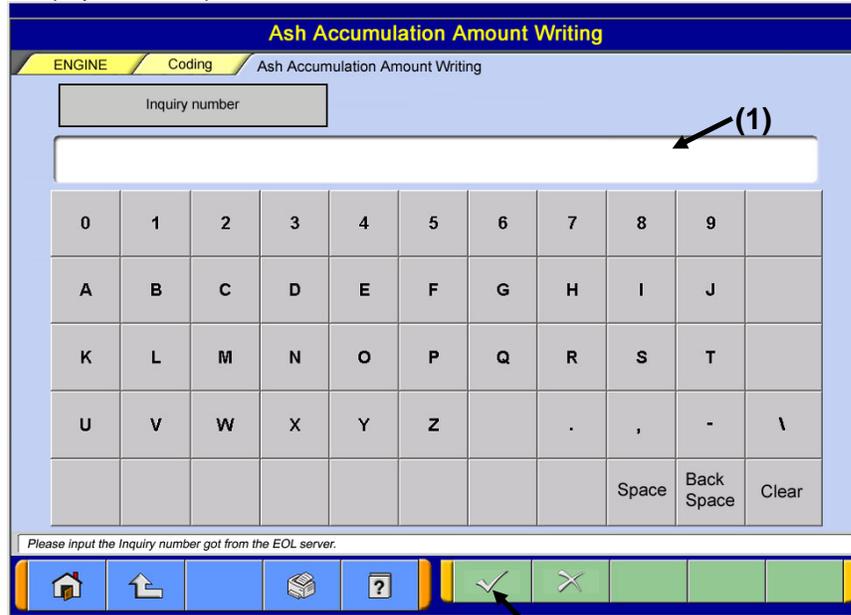| Function button name	Next Window	Remarks
Ash Accumulation Amount Writing (Window 3: (1))	Password Input Window (Window 4)	Write "Ash data" manually/ automatically.
Ash Information (Window 3: (2))	PTO Information Display Window (Window 13)	Confirm the Ash information (Ash data) written in MUT.

<Password Input Window>

Window 4

· Enter password in Password Input field (Window 4: (1)) from the keyboard of MUT screen or PC main unit.
· Press OK button (Window 4: (2)) to proceed to the Inquiry Number Input Window (Window 5).

<Inquiry Number Input Window>

Ash Accumulation Amount Writing

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Inquiry number

(1)

0	1	2	3	4	5	6	7	8	9	
A	B	C	D	E	F	G	H	I	J	
K	L	M	N	O	P	Q	R	S	T	
U	V	W	X	Y	Z		.	,	-	\
							Space	Back Space	Clear

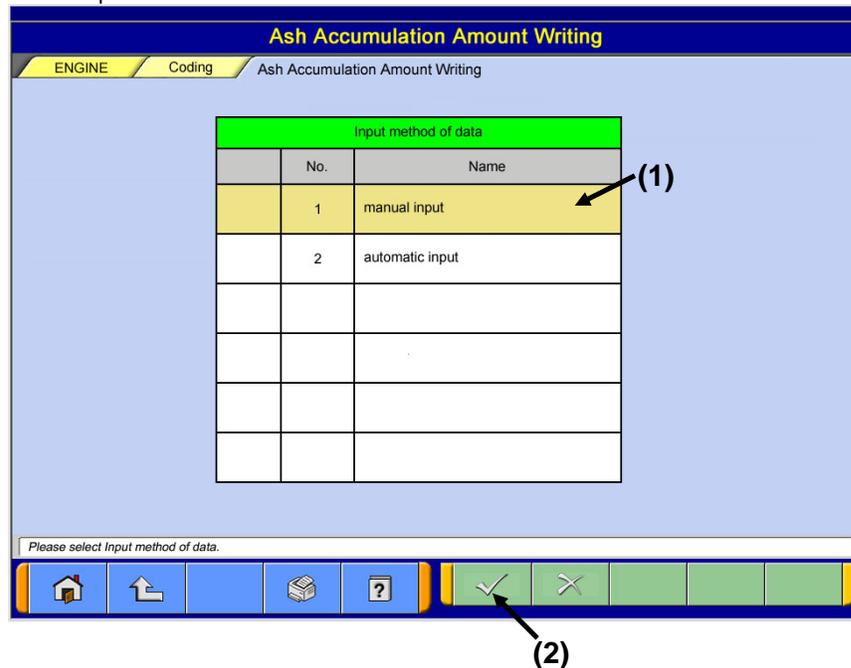*Please input the Inquiry number got from the EOL server.*

(2)

Window 5

- Enter Inquiry Number in Inquiry Number Input field (Window 5: (1)) from the keyboard of MUT Screen or PC main unit.
- Press OK button (Window 5: (2)) to proceed to the Data Input Method Select Window (Window 6).
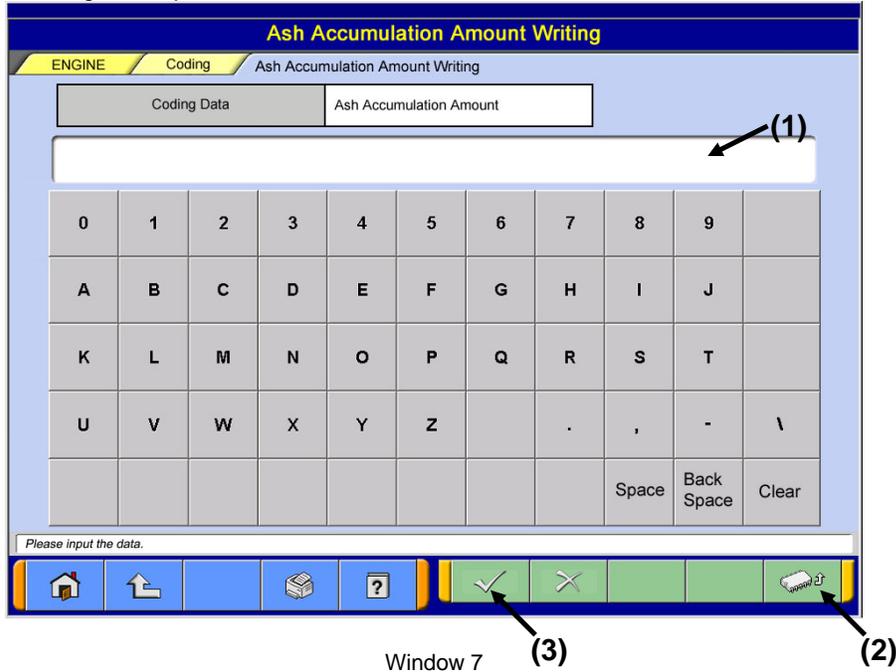
<Data Input Method Select Window>

Ash Accumulation Amount Writing

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Input method of data		
	No.	Name
	1	manual input
	2	automatic input
		.

(1)

Please select Input method of data.

(2)

Window 6

- Select "Manual input" (Window 6: (1)) and press OK button (Window 6: (2)) to proceed to the Coding Data Input Window (Window 7).

Ash Data Write Procedure

<Coding Data Input Window>

Ash Accumulation Amount Writing

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| Coding Data | Ash Accumulation Amount |

(1)

0	1	2	3	4	5	6	7	8	9	
A	B	C	D	E	F	G	H	I	J	
K	L	M	N	O	P	Q	R	S	T	
U	V	W	X	Y	Z		.	,	-	\
							Space	Back Space	Clear

Please input the data.

(3) **(2)**

Window 7

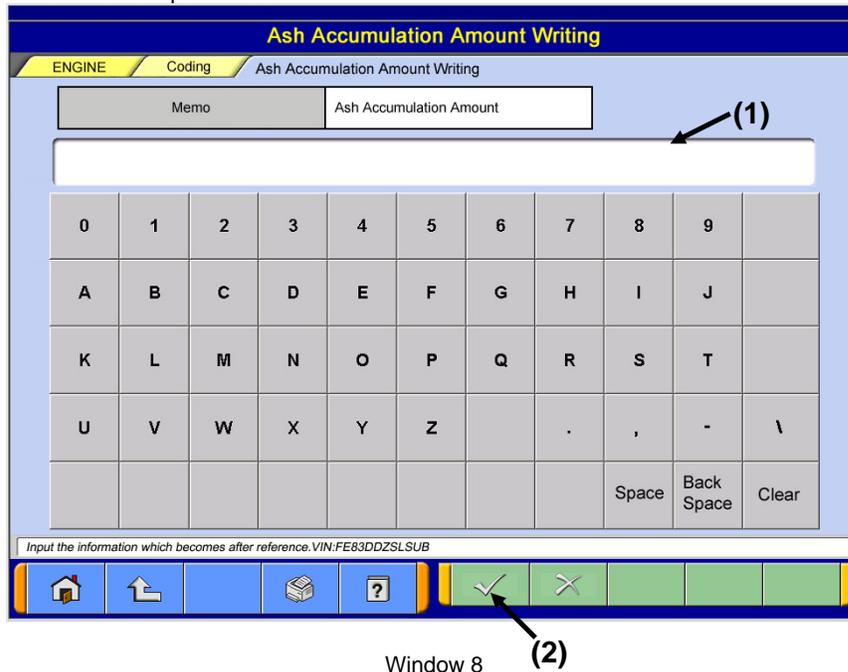<To write data which is read from ECU>
· Press "Read" button (Window 7: (2)) to read Ash data from ECU after the confirmation window [*1] is displayed and to display the data in the Coding Data Input field (Window 7: (1)).
   *1: Check if the ECU before replacement is connected.
· Press OK button (Window 7: (3)) to proceed to the Work Memo Input Window (Window 8).
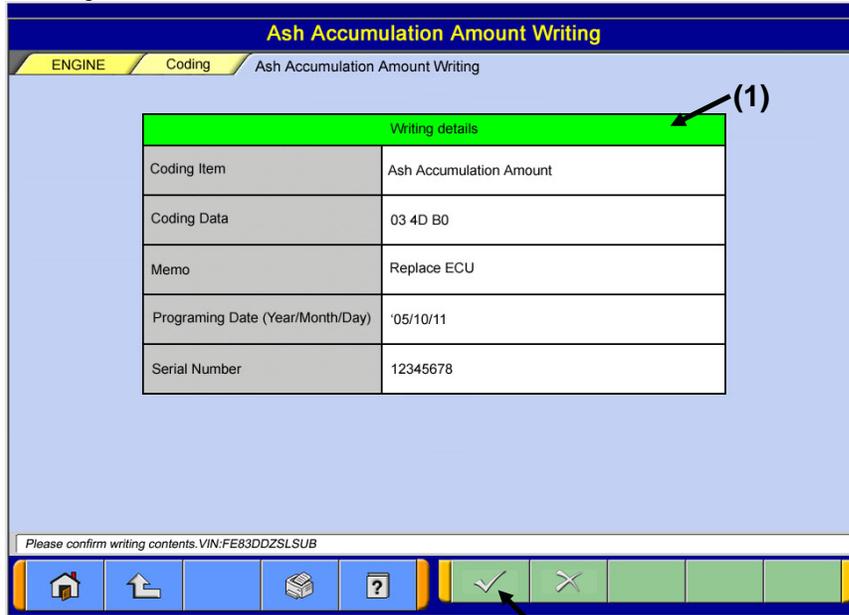
<To write Ash data by manually entering memo value>
· Enter the memo "Ash data" which is read from ECU before replacement in the Coding Data Input field (Window 7: (1)) from the keyboard of MUT Screen or PC main unit.
· Press OK button (Window 7: (3)) to proceed to the Work Memo Input Window (Window 8).

<Work Memo Input Window>

Ash Accumulation Amount Writing

ENGINE Coding Ash Accumulation Amount Writing

| Memo | Ash Accumulation Amount |

(1)

0	1	2	3	4	5	6	7	8	9	
A	B	C	D	E	F	G	H	I	J	
K	L	M	N	O	P	Q	R	S	T	
U	V	W	X	Y	Z		.	,	-	\
							Space	Back Space	Clear

Input the information which becomes after reference.VIN:FE83DDZSLSUB

(2)

Window 8

· Enter memo in the Work Memo Input field (Window 8: (1)) from the keyboard of MUT Screen or PC main unit. (It can be left blank)
· Press OK button (Window 8: (2)) to proceed to the Coding Contents Confirmation Window (Window 9).
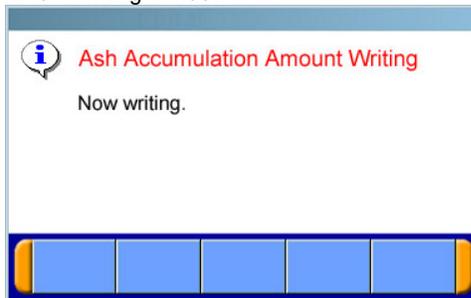
\<Coding Contents Confirmation Window\>

Ash Accumulation Amount Writing

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(1)

Writing details	
Coding Item	Ash Accumulation Amount
Coding Data	03 4D B0
Memo	Replace ECU
Programing Date (Year/Month/Day)	'05/10/11
Serial Number	12345678

Please confirm writing contents.VIN:FE83DDZSLSUB

(2)

Window 9

· Confirm the writing contents (Window 9: (1)) and press OK button (Window 9: (2)) to display the Now Writing Window (Window 10) after Writing Contents Writing Window [*1] is displayed.
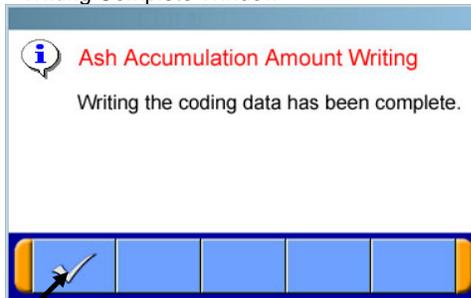
   *1: Confirm if it is replaced with a new ECU.

\<Now Writing Window\>

(i) **Ash Accumulation Amount Writing**

Now writing.

Window 10

· When writing is completed, Writing Complete Window (Window 11) is displayed.

\<Writing Complete Window\>

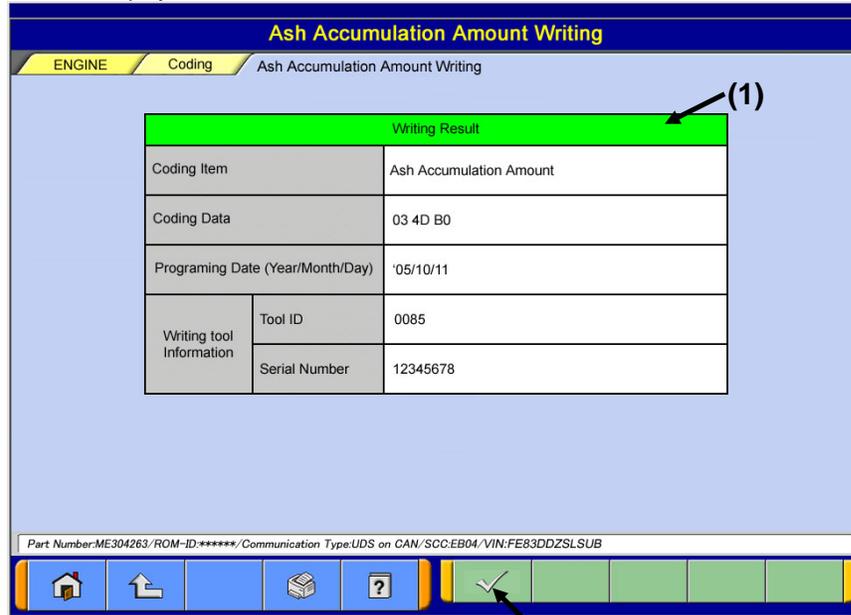**(i)** **Ash Accumulation Amount Writing**

Writing the coding data has been complete.

(1)

Window 11

· Press OK button (Window 11: (1)) to proceed to the Result Display Window (Window 12).

<Result Display Window>

Ash Accumulation Amount Writing

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(1)

Writing Result	
Coding Item	Ash Accumulation Amount
Coding Data	03 4D B0
Programing Date (Year/Month/Day)	'05/10/11
Writing tool Information — Tool ID	0085
Writing tool Information — Serial Number	12345678

Part Number:ME304263/ROM-ID:******/Communication Type:UDS on CAN/SCC:EB04/VIN:FE83DDZSLSUB
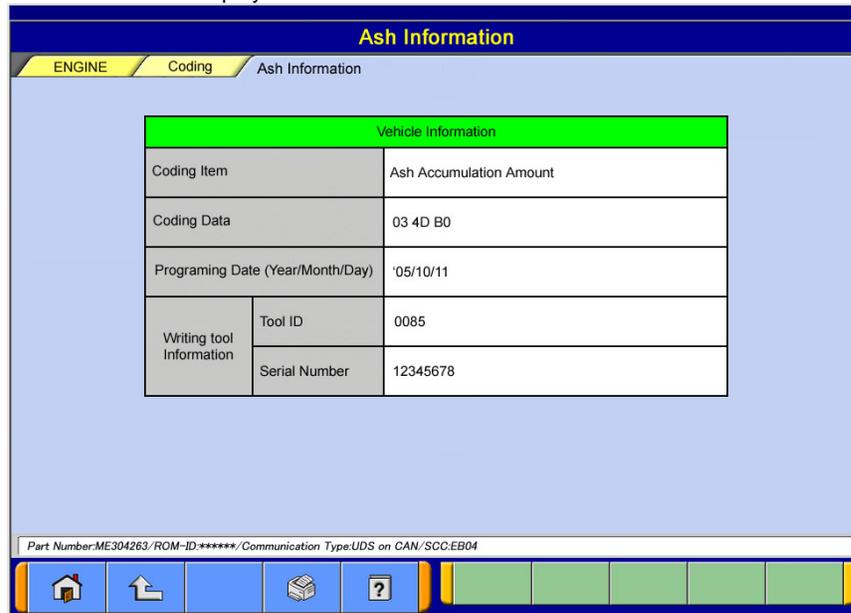
(2)

Window 12

· Writing result is displayed in Writing Result Window (Window 12: (1)).
· Press OK button (Window 12: (2)) to return to the Coding Submenu Window (Window 3).

<Ash Information Display Window>

Ash Information

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Vehicle Information	
Coding Item	Ash Accumulation Amount
Coding Data	03 4D B0
Programing Date (Year/Month/Day)	'05/10/11
Writing tool Information — Tool ID	0085
Writing tool Information — Serial Number	12345678

Part Number:ME304263/ROM-ID:******/Communication Type:UDS on CAN/SCC:EB04

Window 13

· The "Ash data" value which is written in ECU is displayed.