

## WASTEGATE SOLENOID VALVE REMOVAL/INSTALLATION [SKYACTIV-D 2.2]

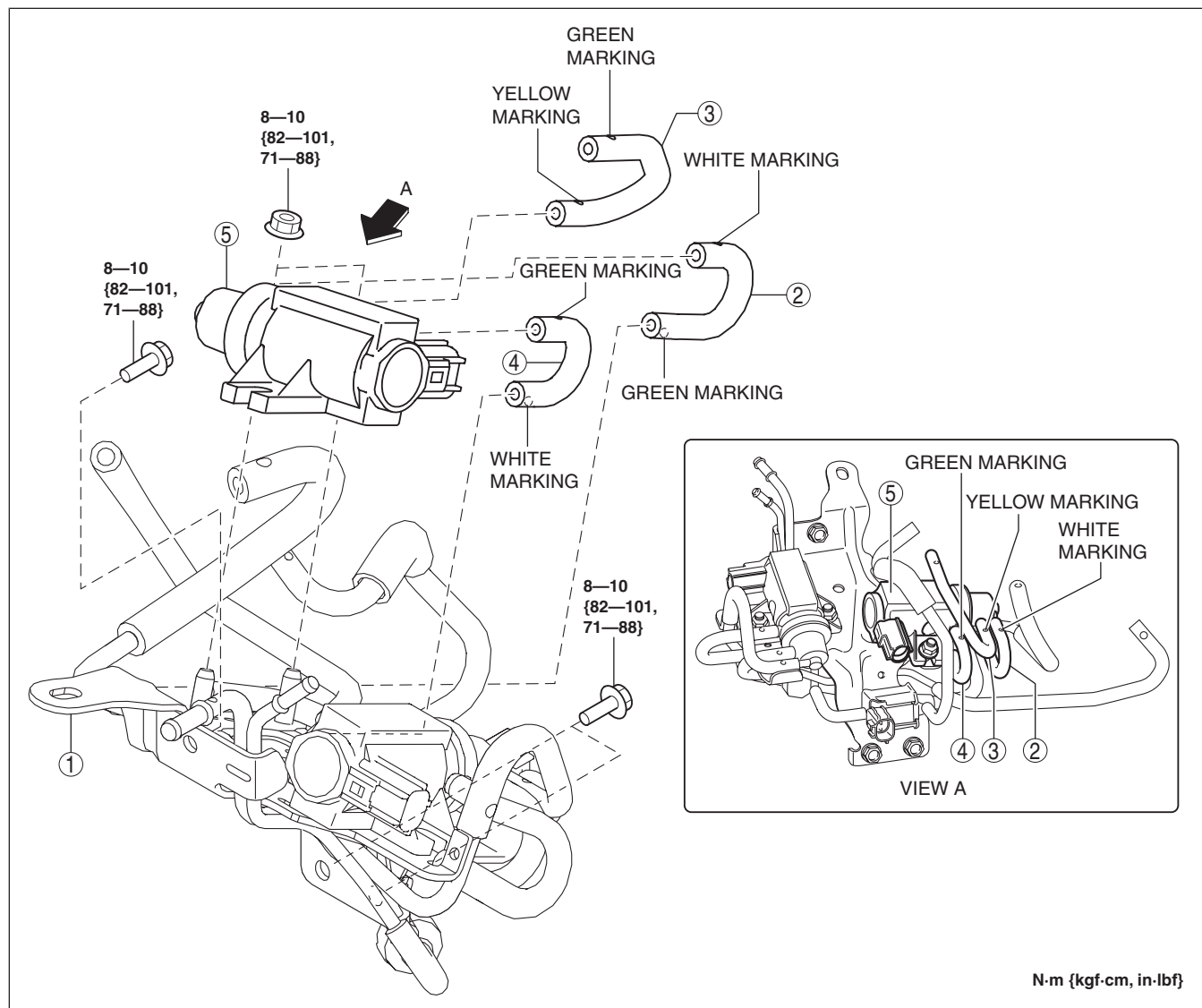
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### Caution

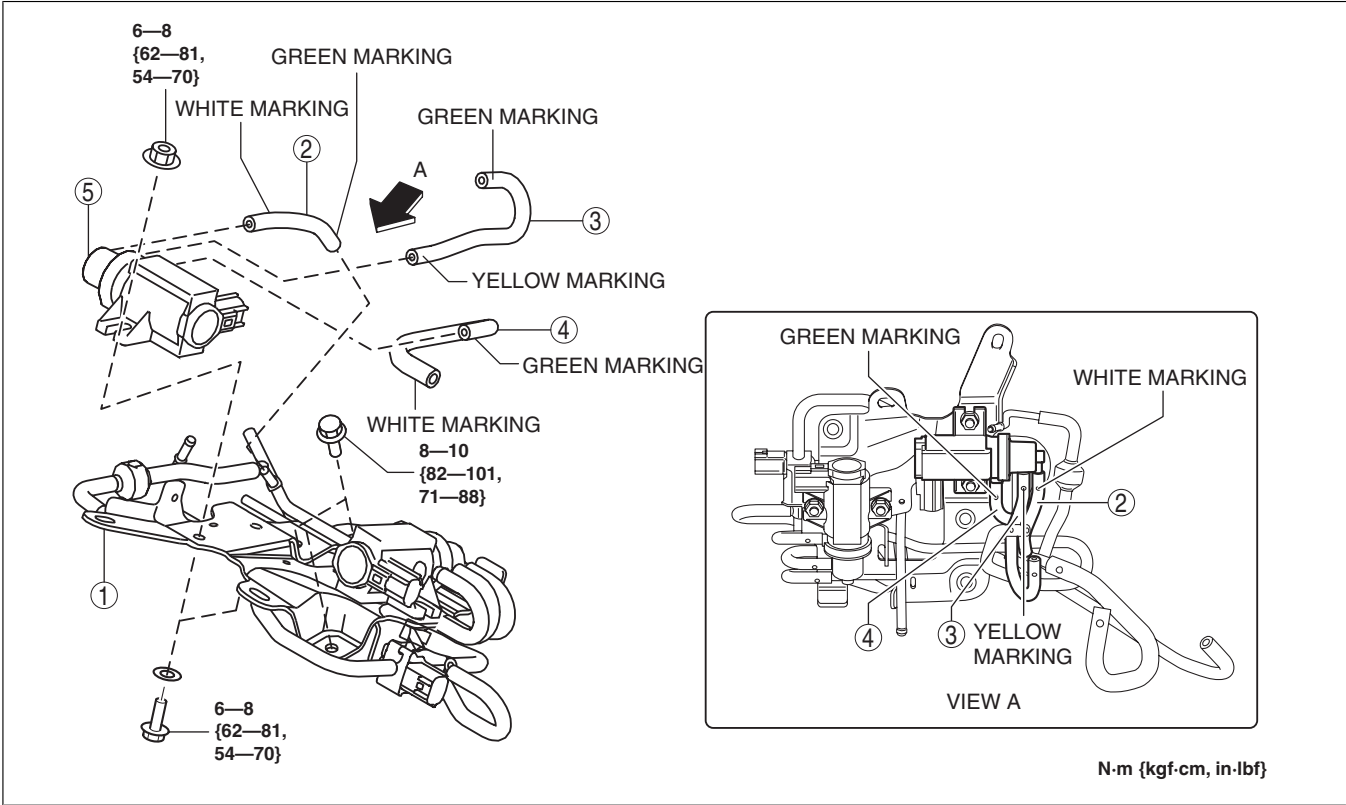
- If the vacuum hose is installed incorrectly, it could cause a vehicle malfunction. To prevent this, refer to “VACUUM HOSE STRUCTURAL VIEW” and install the vacuum hose correctly. (See Vacuum hose structural view.)

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the battery and the battery tray. (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
3. Remove in the order shown in the figure.

### ATX



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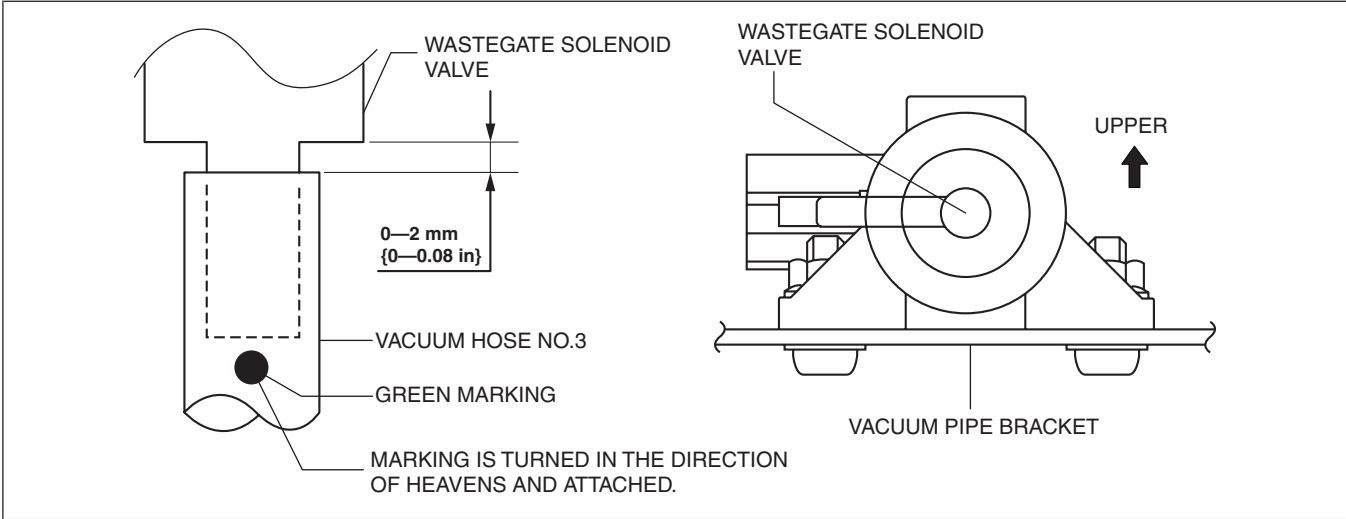
1	Vacuum pipe bracket
2	Vacuum hose No.1 (See Vacuum Hose No.1 Installation Note.)
3	Vacuum hose No.2 (See Vacuum Hose No.2 Installation Note.)
4	Vacuum hose No.3 (See Vacuum Hose No.3 Installation Note.)
5	Wastegate solenoid valve

4. Install in the reverse order of removal.

**Vacuum Hose No.3 Installation Note**

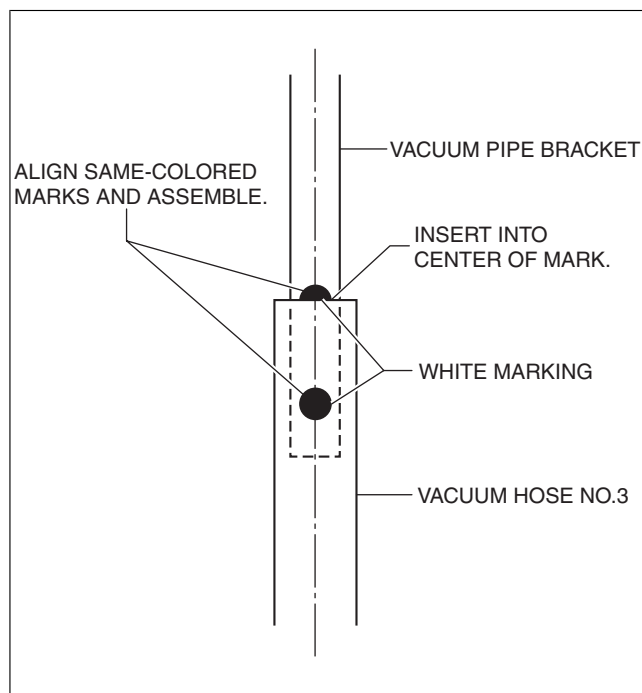
1. Install vacuum hose No.3 as shown in the figure.

**Wastegate solenoid valve side**



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## Vacuum pipe bracket side

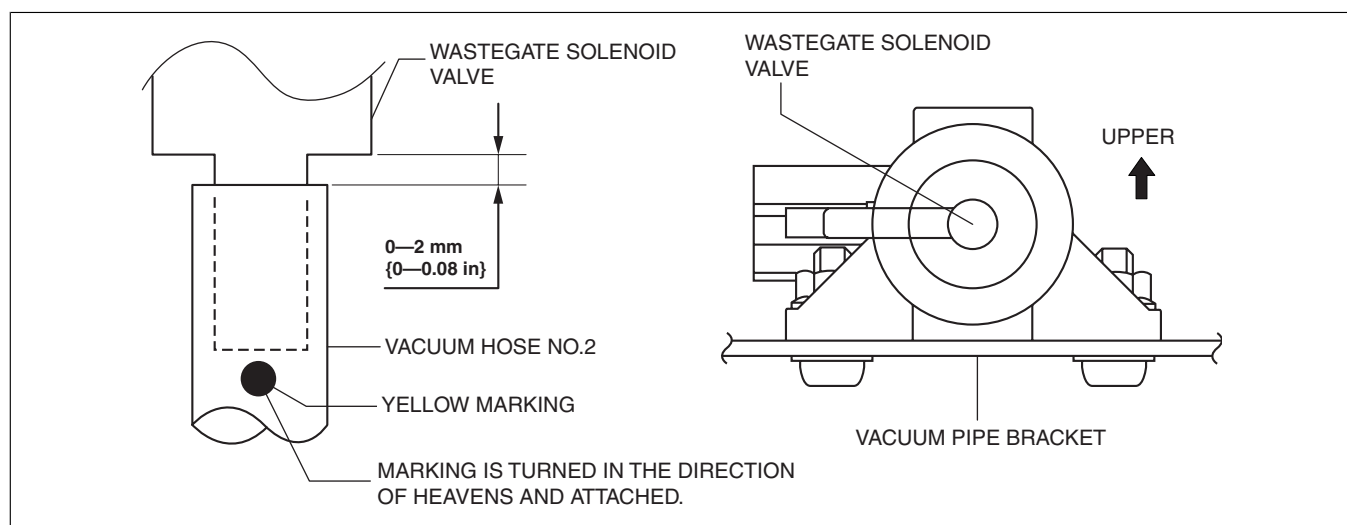


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## Vacuum Hose No.2 Installation Note

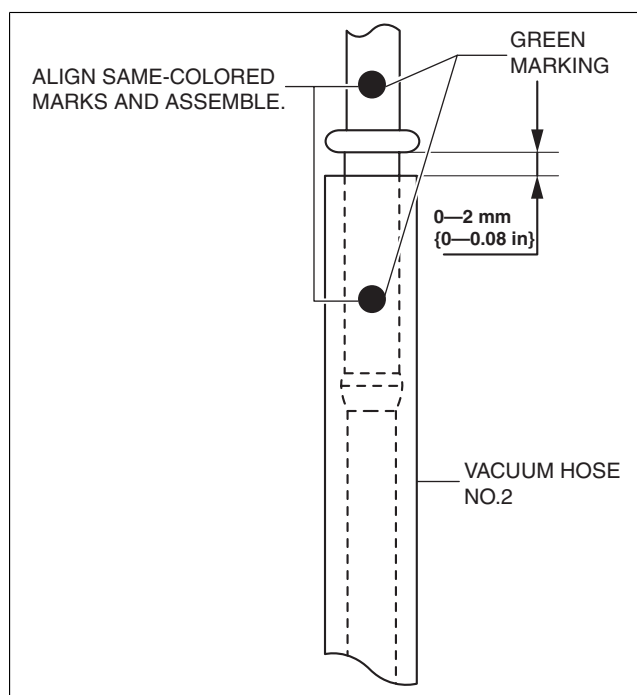
1. Install vacuum hose No.2 as shown in the figure.

### Wastegate solenoid valve side



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## Wastegate valve actuator side

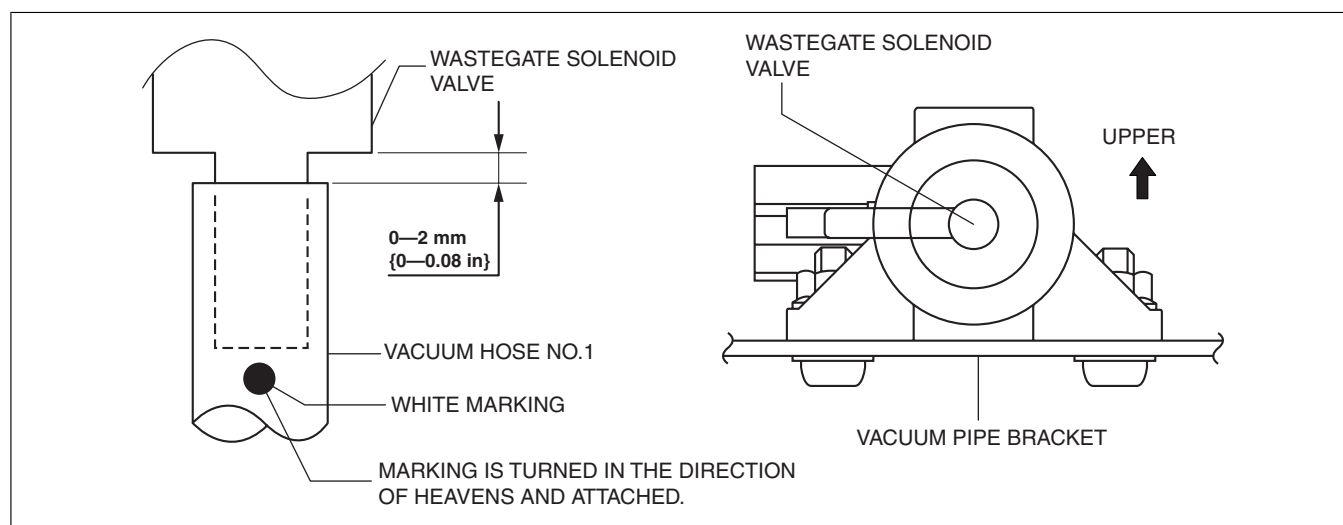


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## Vacuum Hose No.1 Installation Note

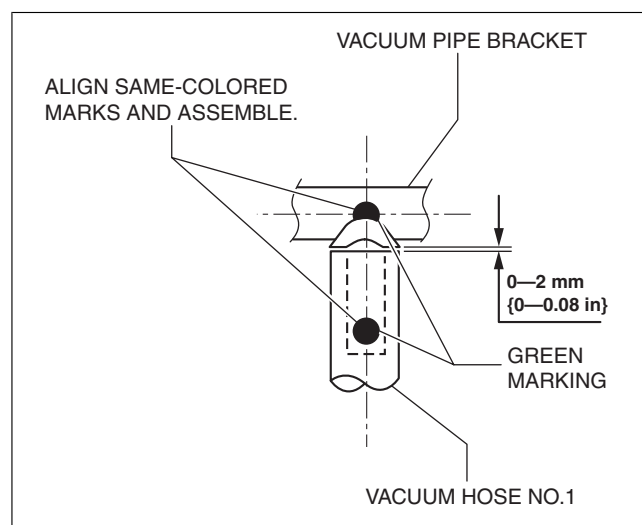
1. Install vacuum hose No.1 as shown in the figure.

## Wastegate solenoid valve side



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## Vacuum pipe bracket side

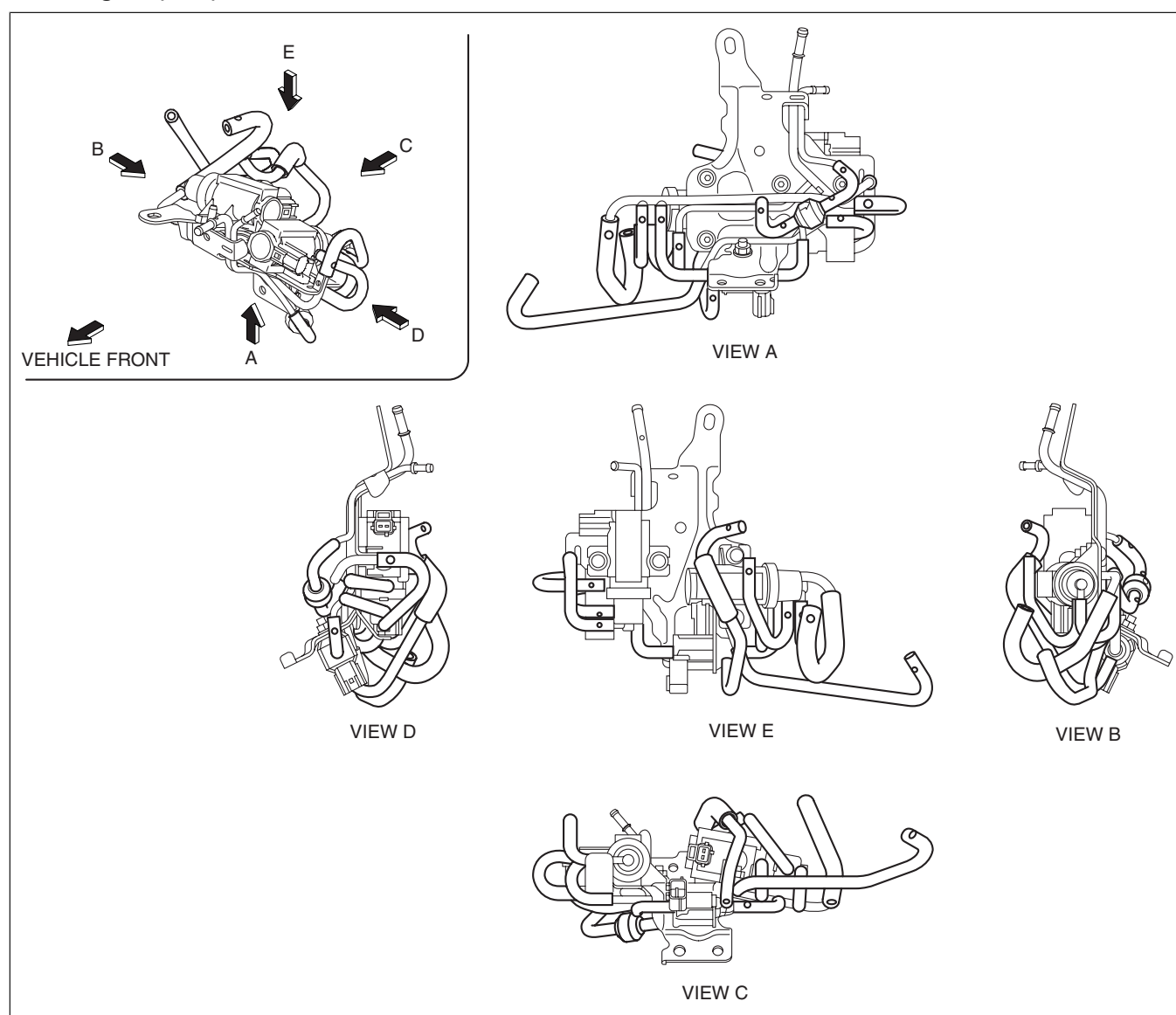


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## Vacuum hose structural view

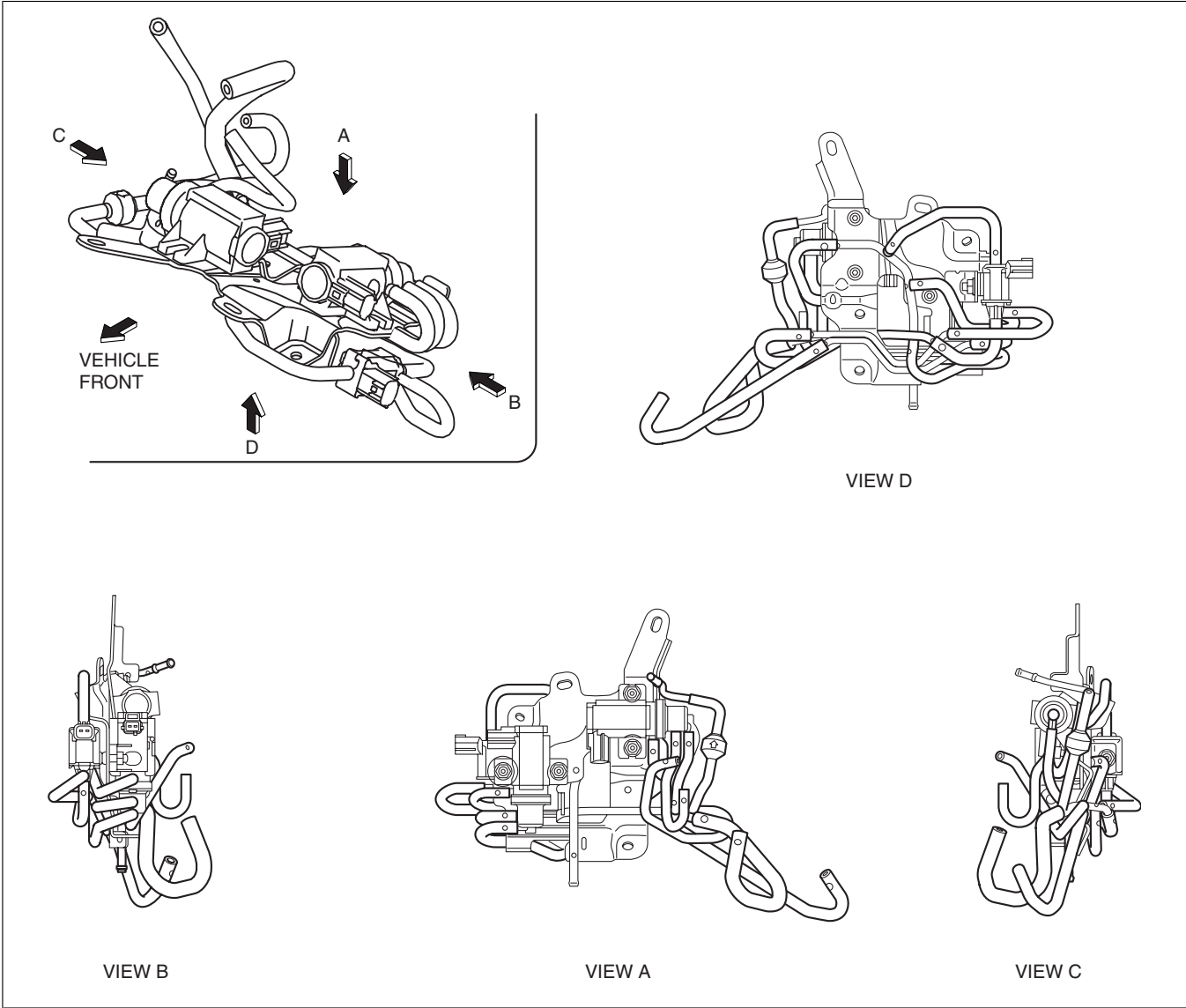
1. Verify that the vacuum hose is installed correctly as shown in the figure.

### Whole figure (ATX)

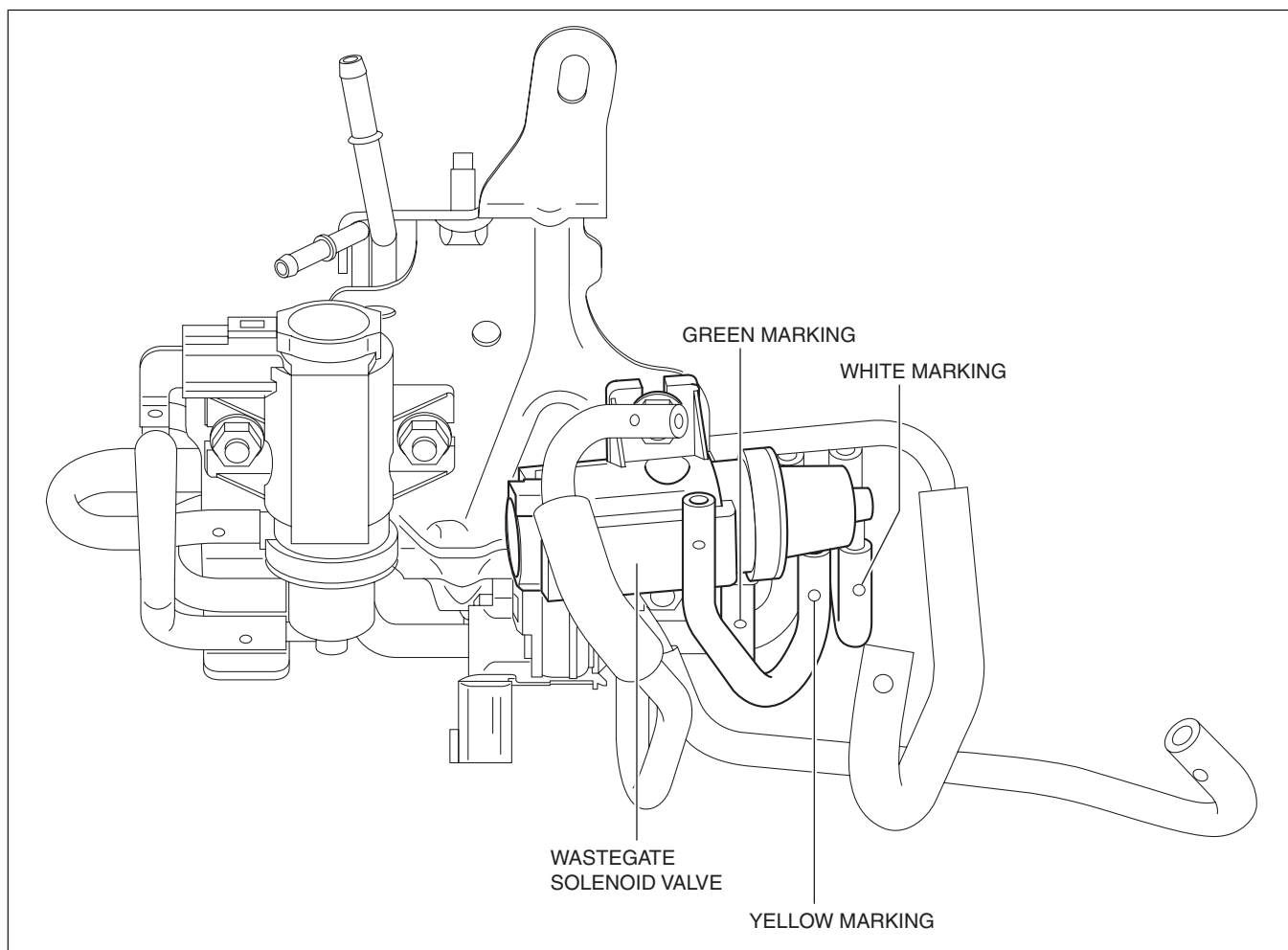


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Whole figure (MTX)

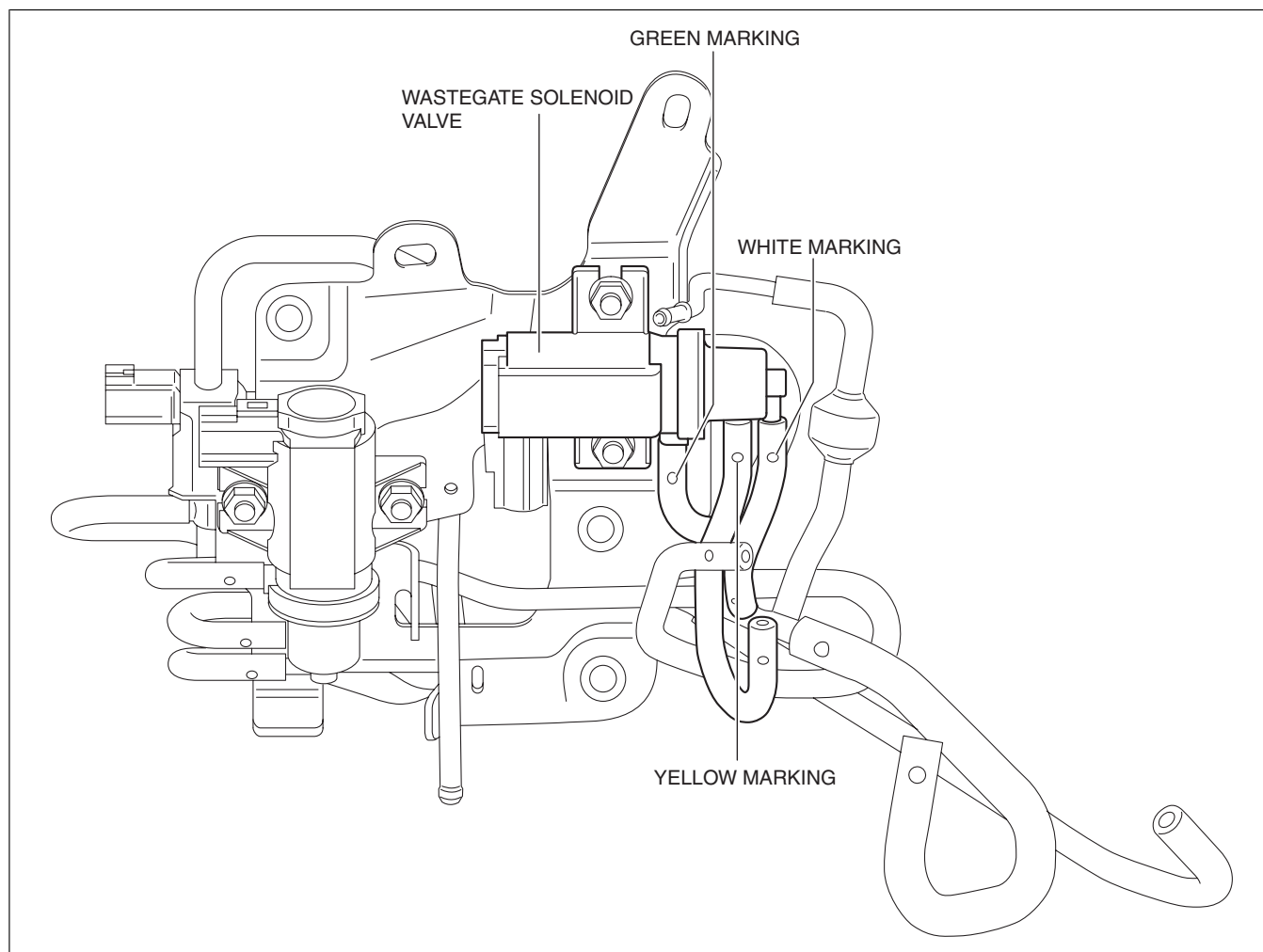


## Wastegate solenoid valve side (ATX)



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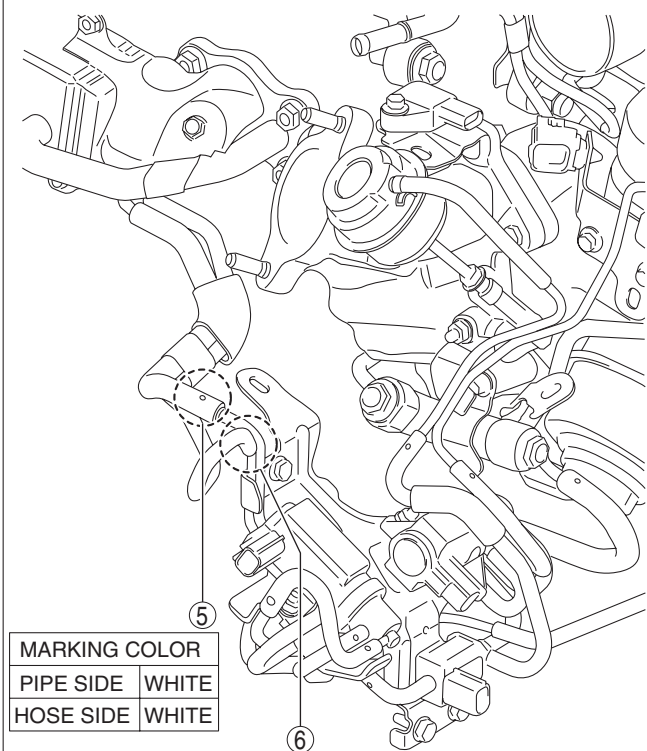
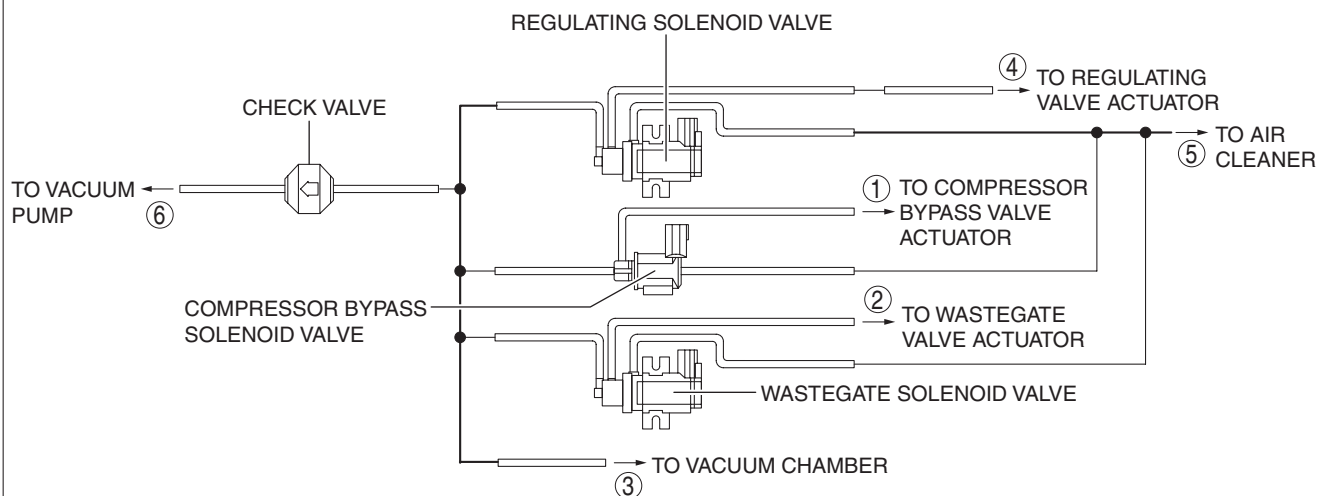
## Wastegate solenoid valve side (MTX)



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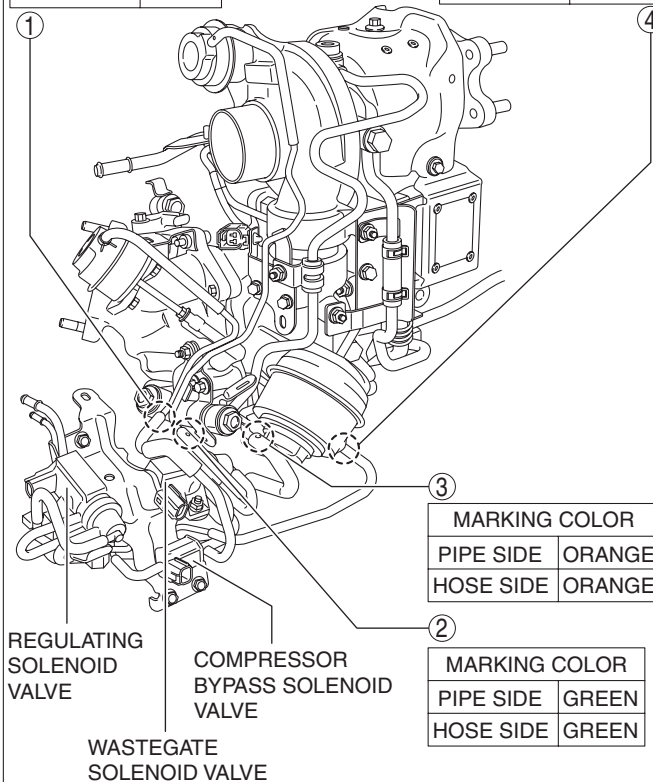
## Vacuum pipe bracket side (ATX)



MARKING COLOR	
PIPE SIDE	WHITE
HOSE SIDE	WHITE

MARKING COLOR	
PIPE SIDE	WHITE
HOSE SIDE	WHITE

MARKING COLOR	
PIPE SIDE	RED
HOSE SIDE	RED



MARKING COLOR	
PIPE SIDE	NOTING
HOSE SIDE	WHITE

MARKING COLOR	
PIPE SIDE	ORANGE
HOSE SIDE	ORANGE

MARKING COLOR	
PIPE SIDE	GREEN
HOSE SIDE	GREEN

Vacuum pipe bracket side (MTX)

