

## Steering wheel off-center

### INSPECTION PROCEDURE

- 1 Check that there are no DTCs in VGRS, VSC and ABS.

A: No code present

B: Code present

B

Repair DTCs.

A

- 2 Perform the steering angle sensor initialization (See page [DI-633](#)).

Is the steering wheel centered?

YES

END

NO

- 3 Check the vehicle pull.

YES

Vehicle pulling diagnosis (See page [SA-2](#)).

NO

- 4 Are the tires all the specified size?

NO

Install specified size tires.

YES

|   |                                                                       |
|---|-----------------------------------------------------------------------|
| 5 | Check the air pressure of the tires (See page <a href="#">SA-3</a> ). |
|---|-----------------------------------------------------------------------|

NG

Adjust air pressure of the tires to the specified pressure.

OK

|   |                            |
|---|----------------------------|
| 6 | Check the wheel alignment. |
|---|----------------------------|

Is the wheel alignment correct?

NO

Perform wheel alignment adjustment (See page [SA-5](#)).

YES

|   |                                                                         |
|---|-------------------------------------------------------------------------|
| 7 | Perform the VGRS system calibration (See page <a href="#">DI-634</a> ). |
|---|-------------------------------------------------------------------------|

(a) Is the steering off center?

NO

END

YES

|   |                                                                               |
|---|-------------------------------------------------------------------------------|
| 8 | Perform the actuator angel initialization (See page <a href="#">DI-634</a> ). |
|---|-------------------------------------------------------------------------------|

NEXT

|   |                                                           |
|---|-----------------------------------------------------------|
| 9 | Adjust the tie rod-end (See page <a href="#">SR-10</a> ). |
|---|-----------------------------------------------------------|

NEXT

|    |                                                                           |
|----|---------------------------------------------------------------------------|
| 10 | Perform the actuator angle adjustment (See page <a href="#">DI-634</a> ). |
|----|---------------------------------------------------------------------------|

NEXT

END