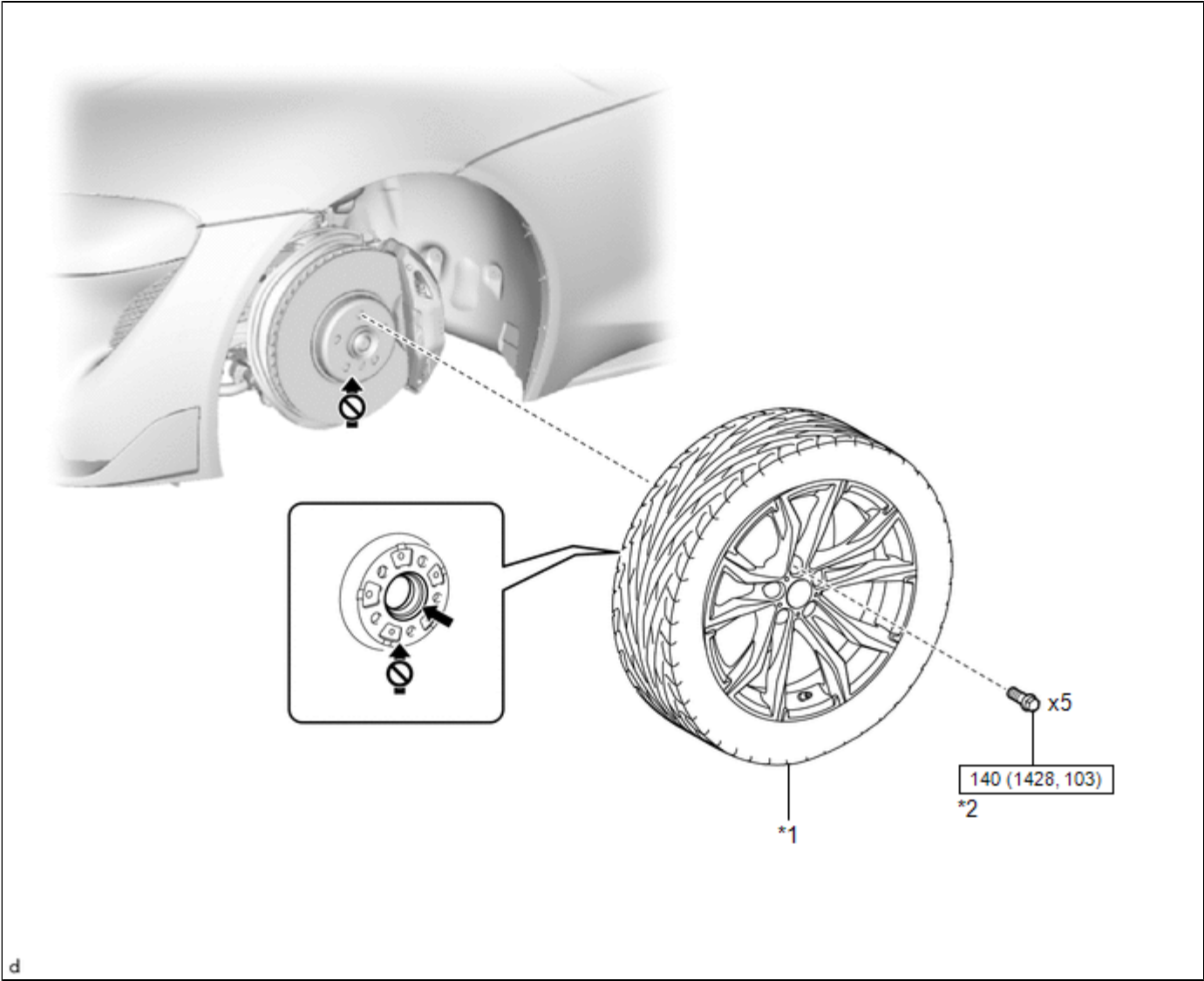


|                                                                                        |                     |                                          |
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| <b>Last Modified:</b> 09-05-2019                                                       | 6.9:8.0.49          | <b>Doc ID:</b> RM100000001JD10           |
| <b>Model Year Start:</b> 2020                                                          | <b>Model:</b> Supra | <b>Prod Date Range:</b> [03/2019 -     ] |
| <b>Title:</b> TIRE / WHEEL: TIRE AND WHEEL: COMPONENTS; 2020 MY Supra [03/2019 -     ] |                     |                                          |

COMPONENTS

ILLUSTRATION



|    |                                         |    |                 |
|----|-----------------------------------------|----|-----------------|
| *1 | WHEEL ASSEMBLY                          | *2 | AXLE HUB BOLT   |
|    | N*m (kgf*cm, ft.*lbf): Specified torque |    | Brake Pad Paste |
|    | Do not apply lubricants                 | -  | -               |

|                                                                                       |                     |                                            |
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| <b>Last Modified:</b> 09-05-2019                                                      | 6.9:8.0.49          | <b>Doc ID:</b> RM100000001JD11             |
| <b>Model Year Start:</b> 2020                                                         | <b>Model:</b> Supra | <b>Prod Date Range:</b> [03/2019 -       ] |
| <b>Title:</b> TIRE / WHEEL: TIRE AND WHEEL: REMOVAL; 2020 MY Supra [03/2019 -       ] |                     |                                            |

**REMOVAL**

**CAUTION / NOTICE / HINT**

Click here [INFO](#)



|                                                                                            |                     |                                            |
|--------------------------------------------------------------------------------------------|---------------------|--------------------------------------------|
| <b>Last Modified:</b> 09-05-2019                                                           | 6.9:8.0.49          | <b>Doc ID:</b> RM100000001JD12             |
| <b>Model Year Start:</b> 2020                                                              | <b>Model:</b> Supra | <b>Prod Date Range:</b> [03/2019 -       ] |
| <b>Title:</b> TIRE / WHEEL: TIRE AND WHEEL: INSTALLATION; 2020 MY Supra [03/2019 -       ] |                     |                                            |

**INSTALLATION**

**CAUTION / NOTICE / HINT**

Click here [INFO](#)



|                                                                                                                    |                     |                                      |
|--------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------|
| <b>Last Modified:</b> 09-05-2019                                                                                   | 6.9:8.0.49          | <b>Doc ID:</b> RM100000001JD0Y       |
| <b>Model Year Start:</b> 2020                                                                                      | <b>Model:</b> Supra | <b>Prod Date Range:</b> [03/2019 - ] |
| <b>Title:</b> TIRE / WHEEL: TIRE AND WHEEL SYSTEM: HOW TO PROCEED WITH TROUBLESHOOTING; 2020 MY Supra [03/2019 - ] |                     |                                      |

HOW TO PROCEED WITH TROUBLESHOOTING

PROCEDURE

|    |                             |
|----|-----------------------------|
| 1. | CHECK TIRE AND WHEEL SYSTEM |
|----|-----------------------------|

DIAGNOSIS OF IRREGULAR TIRE WEAR

GO TO STEP 11

DIAGNOSIS OF TIRE VIBRATION



|    |                     |
|----|---------------------|
| 2. | TIGHTEN WHEEL BOLTS |
|----|---------------------|

Click here [INFO](#)

NEXT



|    |               |
|----|---------------|
| 3. | INSPECT TIRES |
|----|---------------|

Click here [INFO](#)

OK GO TO STEP 5

NG



|    |                           |
|----|---------------------------|
| 4. | REPAIR OR REPLACE TIRE(S) |
|----|---------------------------|

|  |  |
|--|--|
|  |  |
|--|--|

**NEXT**



|           |                                              |
|-----------|----------------------------------------------|
| <b>5.</b> | <b>INSPECT AND / OR ADJUST WHEEL BALANCE</b> |
|-----------|----------------------------------------------|

Click here [INFO](#)

**NEXT**



|           |                                                                     |
|-----------|---------------------------------------------------------------------|
| <b>6.</b> | <b>INSPECT FRONT AXLE HUB BEARING LOOSENESS AND AXLE HUB RUNOUT</b> |
|-----------|---------------------------------------------------------------------|

**OK** **GO TO STEP 8**

**NG**



|           |                                                                    |
|-----------|--------------------------------------------------------------------|
| <b>7.</b> | <b>REPAIR FRONT AXLE HUB BEARING LOOSENESS AND AXLE HUB RUNOUT</b> |
|-----------|--------------------------------------------------------------------|

Click here [INFO](#)

**NEXT**



|           |                                                                    |
|-----------|--------------------------------------------------------------------|
| <b>8.</b> | <b>INSPECT REAR AXLE HUB BEARING LOOSENESS AND AXLE HUB RUNOUT</b> |
|-----------|--------------------------------------------------------------------|

**OK** **GO TO STEP 10**

**NG**



|  |  |
|--|--|
|  |  |
|--|--|

**9. REPAIR REAR AXLE HUB BEARING LOOSENESS AND AXLE HUB RUNOUT**

Click here [INFO](#)

**NEXT**



**10. PERFORM ROAD TEST**

**NEXT**  RETURN VEHICLE TO CUSTOMER

**11. INSPECT TIRES**

Click here [INFO](#)

**NEXT**



**12. REPAIR OR REPLACE TIRE(S)**

**NEXT**



**13. INSPECT AND / OR ADJUST FRONT WHEEL ALIGNMENT**

Click here [INFO](#)

**NEXT**



**14. INSPECT AND / OR ADJUST REAR WHEEL ALIGNMENT**

Click here [INFO](#)

NEXT



|     |                   |
|-----|-------------------|
| 15. | PERFORM ROAD TEST |
|-----|-------------------|

NEXT  RETURN VEHICLE TO CUSTOMER

|                                                                                                 |                     |                                            |
|-------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------|
| <b>Last Modified:</b> 09-05-2019                                                                | 6.9:8.0.49          | <b>Doc ID:</b> RM100000001JD0Z             |
| <b>Model Year Start:</b> 2020                                                                   | <b>Model:</b> Supra | <b>Prod Date Range:</b> [03/2019 -       ] |
| <b>Title:</b> TIRE / WHEEL: TIRE AND WHEEL SYSTEM: INSPECTION; 2020 MY Supra [03/2019 -       ] |                     |                                            |

# INSPECTION

## PROCEDURE

### 1. INSPECT TIRES

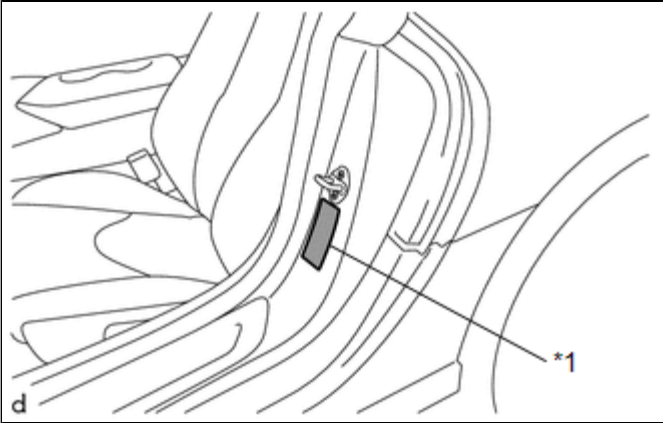
- (a) Inspect the wear of the tires.

**HINT:**  
 If the wear level of a tire exceeds the limit, replace the tire.

- (b) Inspect the tire inflation pressure.

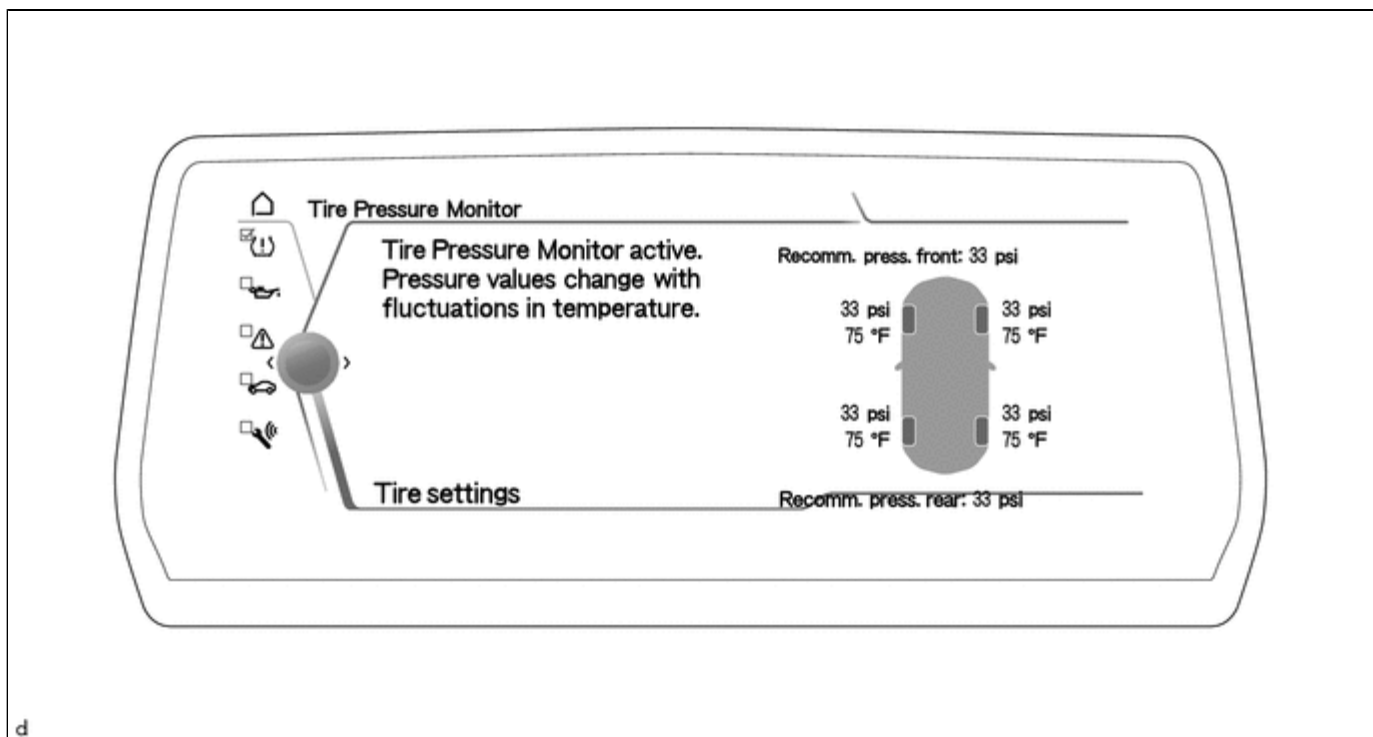
- (1) Inspect the tire inflation pressure based on the values specified on the tire pressure information label located on the driver seat door pillar.

**HINT:**  
 The values specified on the tire pressure information label are only applicable for a tire that is cold or at ambient temperature.



|    |                                 |
|----|---------------------------------|
| *1 | Tire Pressure Information Label |
|----|---------------------------------|

- (2) Inspect the tire inflation pressure based on the recommended pressure on the tire pressure monitor of the multi-display.



#### HINT:

- To display the tire pressure monitor, use Toyota Supra Command to enter the following menus: "My vehicle" / "Vehicle status" / "Tire Pressure Monitor".
- The recommended pressure of the tire pressure monitor that are displayed are appropriate values which take into account the effects of driving conditions and ambient temperature, so they may not match the values from the tire pressure information label on the driver seat door pillar.

(3) If any of the following procedures have been performed, initialize the tire pressure monitor.

Click here [INFO](#)

- Changed tire inflation pressure
- Changed between summer tires and winter tires
- Changed the vehicle load state
- Replaced a tire or disc wheel
- Replaced a tire pressure warning valve and transmitter

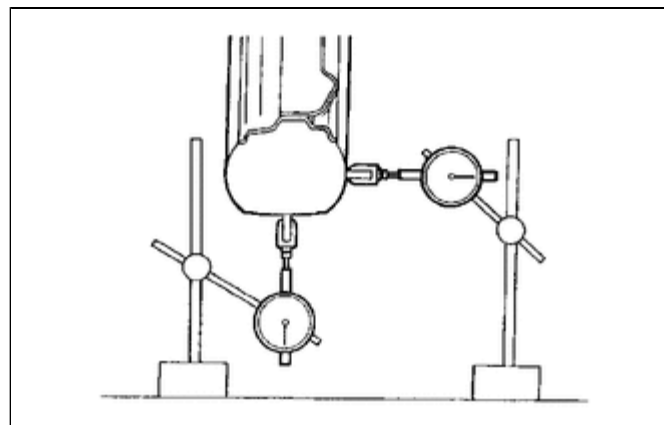
(c) Using a dial indicator, check the runout of the tires.

Maximum Tire Runout:

|          |                             |
|----------|-----------------------------|
| Vertical | 1.1 mm (0.0433 in.) or less |
| Lateral  | 1.3 mm (0.0512 in.) or less |

#### HINT:

Remove the wheel assembly from the vehicle, and measure the wheel assembly alone.



## 2. ROTATE TIRES

**HINT:**

Tire rotation cannot be performed on this vehicle.

**3. INSPECT AND ADJUST WHEEL BALANCE**

(a) Inspect and adjust the off-the-car balance.

Maximum Wheel Imbalance:

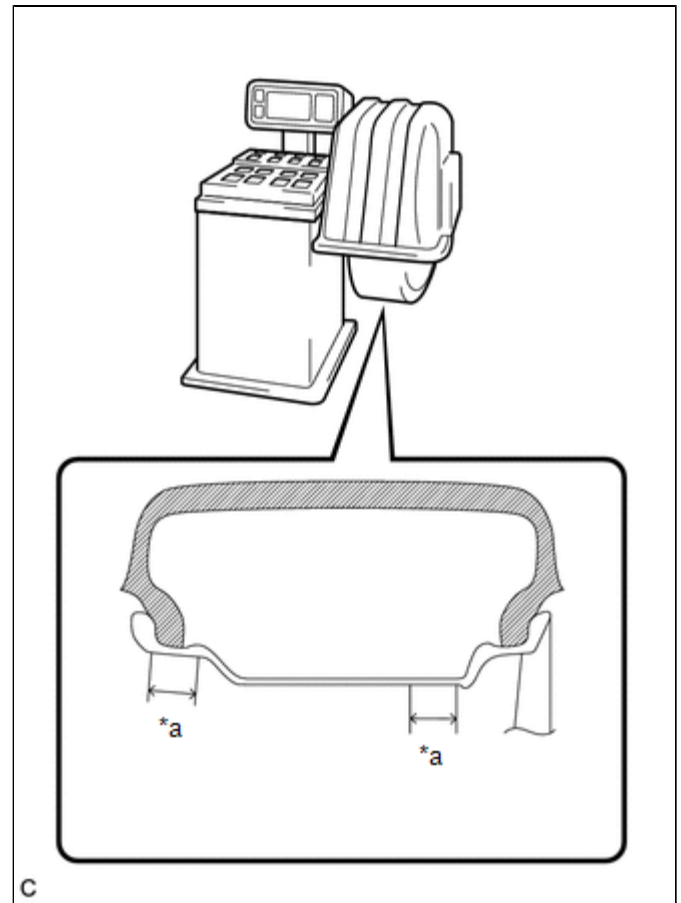
4.0 g (0.0088 lb)

**NOTICE:**

- Use a cleaning detergent to remove dirt, oil and water from the surface where the balance weight is to be adhered.
- Do not touch the adhesive surface of the balance weight.
- Adhere a stick-on type balance weight to the flat surface\**a* shown in the illustration.
- Push the balance weight with your finger to securely adhere it to the desired position.
- Do not reuse balance weights.
- Please use the genuine stick-on type balance weight.

**HINT:**

- Use stick-on type balance weights for both the inner and outer side.
- If the tires vibrate even after off-the-car balance adjustment, adjust the wheel balance with on-the-car balancing as necessary.



C

|    |                   |
|----|-------------------|
| *a | 25 mm (0.984 in.) |
|----|-------------------|



|                                                                                          |                     |                                            |
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| <b>Last Modified:</b> 09-05-2019                                                         | 6.9:8.0.49          | <b>Doc ID:</b> RM100000001JD13             |
| <b>Model Year Start:</b> 2020                                                            | <b>Model:</b> Supra | <b>Prod Date Range:</b> [03/2019 -       ] |
| <b>Title:</b> TIRE / WHEEL: TIRE REPAIR SEAL: DISPOSAL; 2020 MY Supra [03/2019 -       ] |                     |                                            |

## **DISPOSAL**

## **PROCEDURE**

### **1. DISPOSE OF TIRE REPAIR SEAL**

#### **HINT:**

Confirm the expiration date on the side of the repair seal bottle.

(a) Dispose of the retrieved seal by consigning disposal to a waste disposal firm.

#### **NOTICE:**

- The valve and valve core cannot be reused.
- Do not reuse items such as cloths that were used to wipe off seal or gloves soiled with the seal. Dispose of such items as burnable waste.

(b) Dispose of the empty repair seal bottle as plastic waste.



|                                                                                    |                     |                                      |
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| <b>Model Year Start:</b> 2020                                                      | <b>Model:</b> Supra | <b>Prod Date Range:</b> [03/2019 - ] |
| <b>Title:</b> TIRE / WHEEL: TIRE REPAIR SEAL: RECOVERY; 2020 MY Supra [03/2019 - ] |                     |                                      |

## RECOVERY

## PROCEDURE

### 1. RECOVERY OF TIRE REPAIR SEAL

#### NOTICE:

- Try not to spill the tire repair seal in the tire while performing service.
- Wipe off any spilt seal with a cloth or equivalent.

(a) Using a tire changer, remove the tire from the wheel by following the same procedure as for a regular tire change.

#### NOTICE:

Do not raise the tire rapidly as the seal may spill out.

(b) Retrieve the tire repair seal from the removed tire.

#### HINT:

Using a cloth or equivalent, wipe off any seal spilt on the tire, wheel, tire changer or floor.

