

**LandCruiser 200**

## **Corrections to Repair Manual RM22W1E**

Please ensure these pages are distributed to all relevant staff for their information; and a copy made available for future reference, with the above repair manual.

Section	Title	Paragraph
SUPPLEMENTAL RESTRAINT SYSTEM	SPIRAL CABLE	INSTALLATION (201301-201308)
		INSTALLATION (201308-)

The revised pages listed above are attached.  
(The corrected parts are indicated by arrows.)

**This Bulletin does not cause the Flat Rate Manual to be changed.**

Tester Connection	Condition	Specified Condition
E12-10 - z36-3	Always	Below 1 Ω
E12-9 - z36-2	Always	Below 1 Ω
E12-8 - z36-1	Always	Below 1 Ω
E12-8 - z37-2	Always	Below 1 Ω
E12-7 - z37-1	Always	Below 1 Ω

**NOTICE:**

As the spiral cable may break, do not rotate the spiral cable more than the specified amount.

**INSTALLATION** [2013/01-2013/08]**1. INSTALL SPIRAL CABLE**

- Align the pins on the spiral cable with the installation holes on the steering sensor.
- Attach the 6 claws and install the spiral cable to the steering sensor.
- Check that the front wheels are facing straight ahead.
- Set the turn signal switch to the neutral position.

**CAUTION:**

If it is not in the neutral position, the pin of the turn signal switch may be snapped.

- Attach the 3 claws to install the spiral cable with steering sensor.

**CAUTION:**

When replacing the spiral cable with a new one, remove the lock pin before installing the steering wheel assembly.

- Connect the connectors to the spiral cable with steering sensor.

**NOTICE:**

When handling the airbag connector, take care not to damage the airbag wire harness.

**2. INSTALL UPPER STEERING COLUMN COVER (See page )****3. INSTALL LOWER STEERING COLUMN COVER (See page )****4. ADJUST SPIRAL CABLE**

- Check that the ignition switch is off.
- Check that the cable is disconnected from the battery negative (-) terminal.

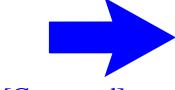
**CAUTION:**

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

- Check the check window shown in the illustration.

**HINT:**

When the spiral cable is centered, the connector is at the top and the conditions below can be checked.

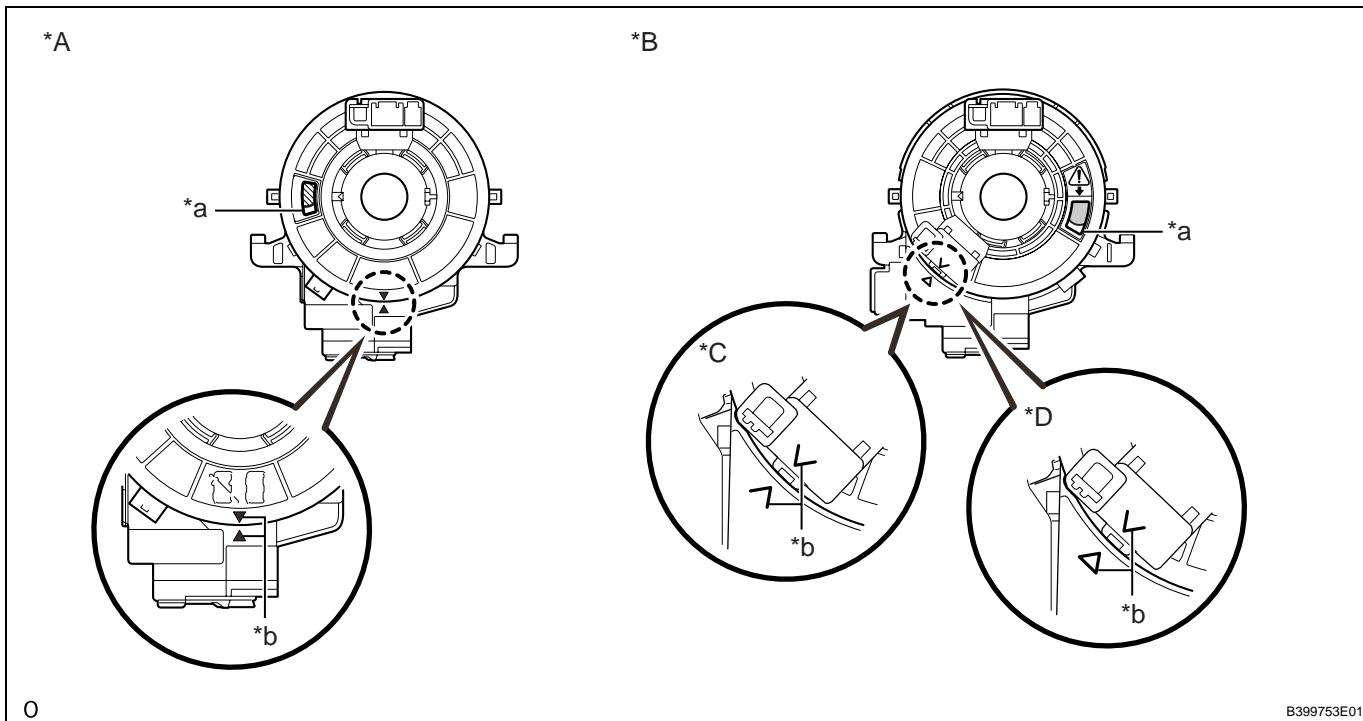


[Corrected]



## SUPPLEMENTAL RESTRAINT SYSTEMS – SPIRAL CABLE

- w/o Steering Heater:  
With the steering wheel straight ahead, align the matchmarks to check the colored roller from the check window.
- w/ Steering Heater:  
With the steering wheel straight ahead, align the matchmarks to check the U-turn point of the cable from the check window.



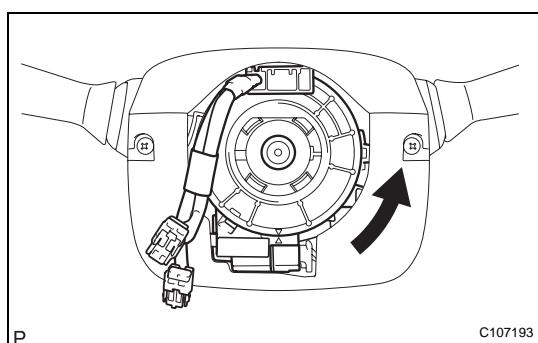
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### Text in Illustration

*A	w/o Steering Heater	*B	w/ Steering Heater
*C	for Type A	*D	for Type B
*a	Check Window	*b	Matchmark
	Colored Roller		U-turn Point

RS



- If the spiral cable is not centered, center it.
- Rotate the spiral cable counterclockwise slowly by hand until it stops.

**CAUTION:**

**Do not turn the spiral cable using the airbag wire harness.**

- Rotate the spiral cable 2.5 times clockwise from the lock position to align the matchmarks and check the check window.

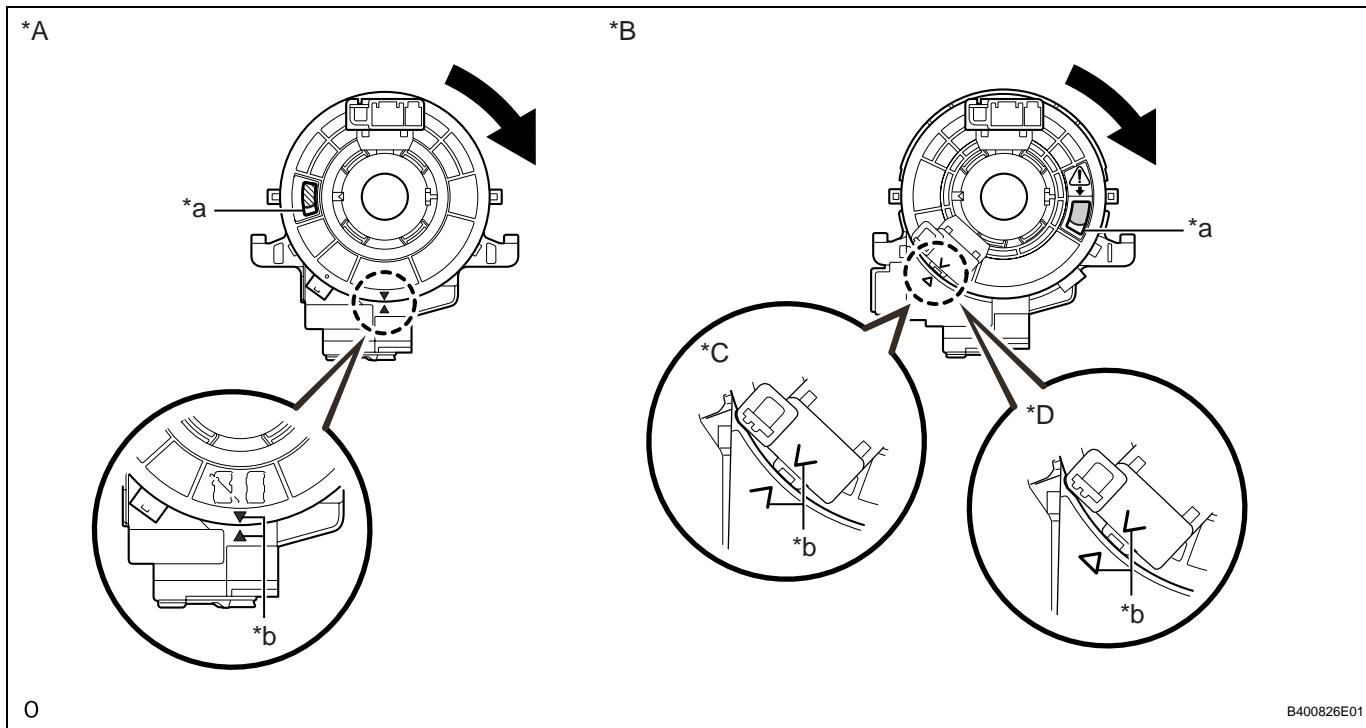
**HINT:**

- The spiral cable will rotate approximately 2.5 turns to both the left and right from the center.
- When the spiral cable is centered, the connector is at the top and the conditions below can be checked.



## SUPPLEMENTAL RESTRAINT SYSTEMS – SPIRAL CABLE

- w/o Steering Heater:  
With the steering wheel straight ahead, align the matchmarks to check the colored roller from the check window.
- w/ Steering Heater:  
With the steering wheel straight ahead, align the matchmarks to check the U-turn point of the cable from the check window.



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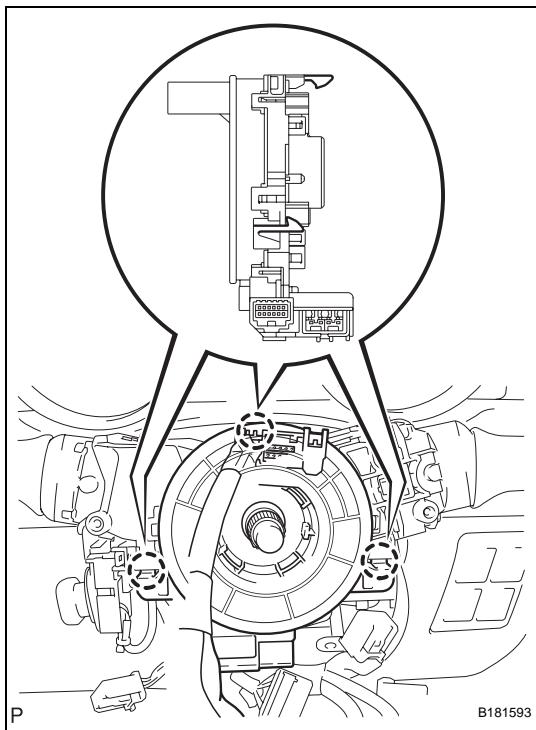
### Text in Illustration

*A	w/o Steering Heater	*B	w/ Steering Heater
*C	for Type A	*D	for Type B
*a	Check Window	*b	Matchmark
	Colored Roller		U-turn Point

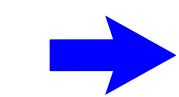
If the spiral cable cannot be centered, it is possible that the spiral cable is broken. Replace the spiral cable with a new one.

5. **INSTALL STEERING WHEEL ASSEMBLY (See page )**
6. **INSTALL STEERING PAD (See page )**
7. **INSTALL LOWER NO. 3 STEERING WHEEL COVER (See page )**
8. **INSTALL LOWER NO. 2 STEERING WHEEL COVER (See page )**

## SUPPLEMENTAL RESTRAINT SYSTEMS – SPIRAL CABLE



RS



[Corrected]

(e) Attach the 3 claws to install the spiral cable with steering sensor.

**CAUTION:**

**When replacing the spiral cable with a new one, remove the lock pin before installing the steering wheel assembly.**

(f) Connect the connectors to the spiral cable with steering sensor.

**NOTICE:**

**When handling the airbag connector, take care not to damage the airbag wire harness.**

2. **INSTALL UPPER STEERING COLUMN COVER (See page )**3. **INSTALL LOWER STEERING COLUMN COVER (See page )**4. **ADJUST SPIRAL CABLE**

(a) Check that the ignition switch is off.

(b) Check that the cable is disconnected from the battery negative (-) terminal.

**CAUTION:**

**Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.**

(c) Check the check window shown in the illustration.

**HINT:**

When the spiral cable is centered, the connector is at the top and the conditions below can be checked.

- w/o Steering Heater:

With the steering wheel straight ahead, align the matchmarks to check the colored roller from the check window.

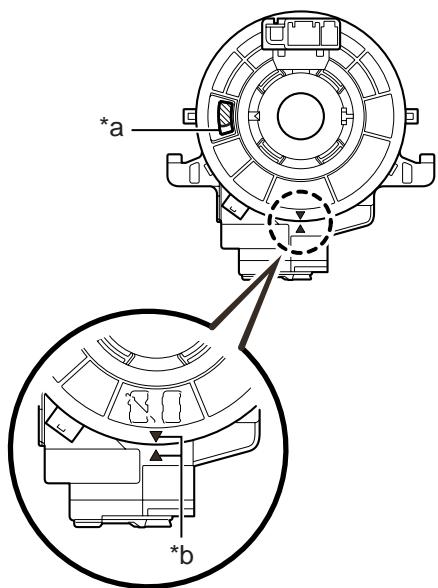
- w/ Steering Heater:

With the steering wheel straight ahead, align the matchmarks to check the U-turn point of the cable from the check window.

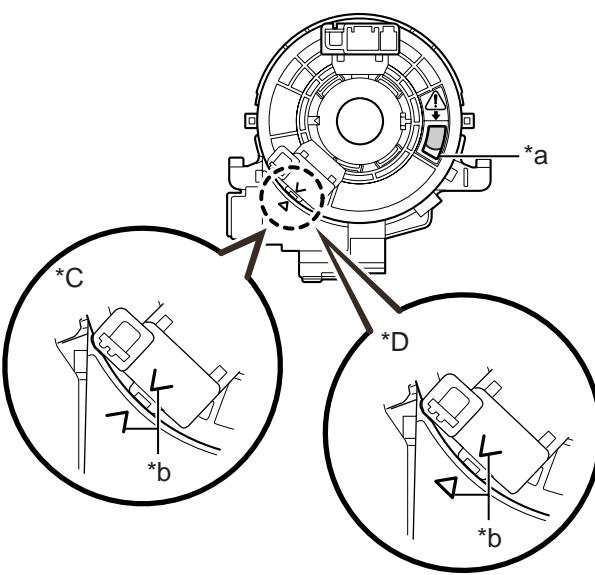


## SUPPLEMENTAL RESTRAINT SYSTEMS – SPIRAL CABLE

\*A



\*B



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### Text in Illustration

*A	w/o Steering Heater	*B	w/ Steering Heater
*C	for Type A	*D	for Type B
*a	Check Window	*b	Matchmark
	Colored Roller		U-turn Point

- (d) If the spiral cable is not centered, center it.
- (e) Rotate the spiral cable counterclockwise slowly by hand until it stops.

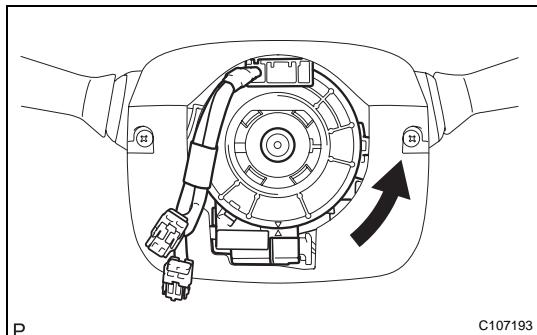
**CAUTION:**

**Do not turn the spiral cable using the airbag wire harness.**

- (f) Rotate the spiral cable 2.5 times clockwise from the lock position to align the matchmarks and check the check window.

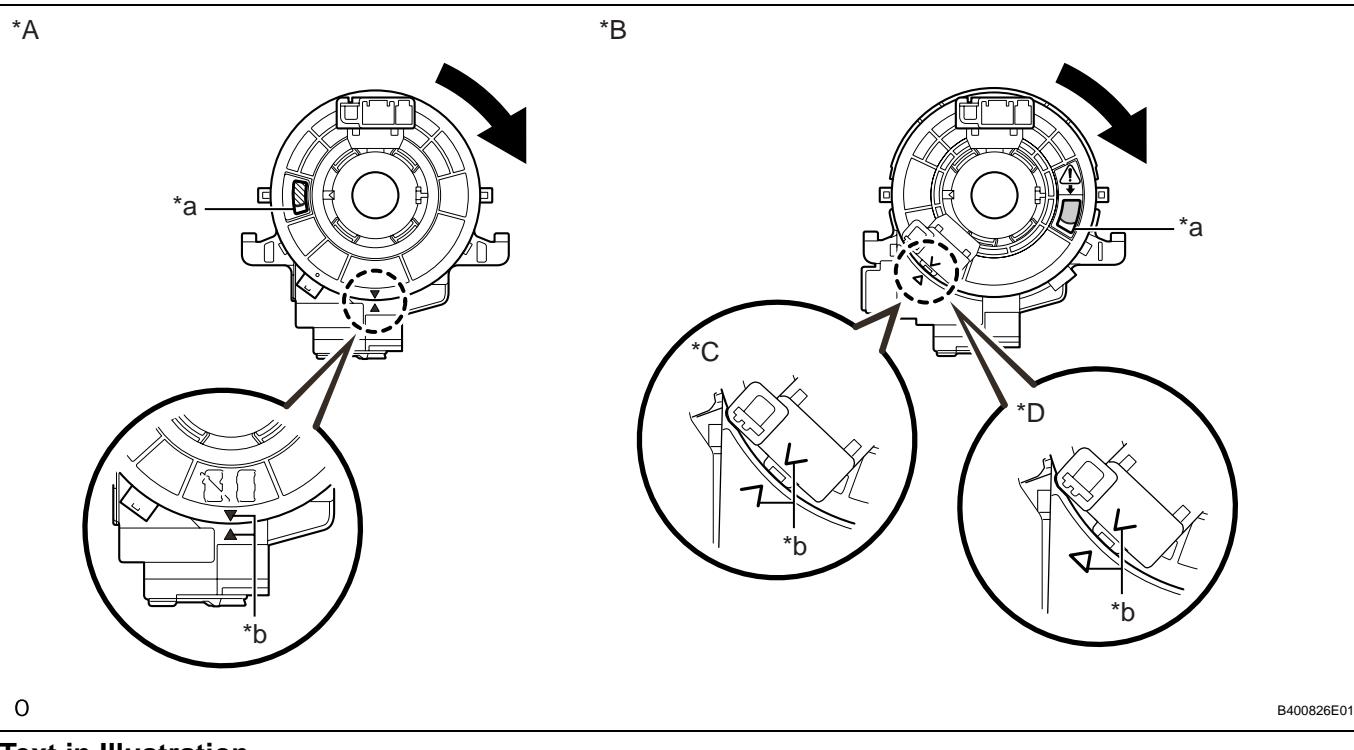
**HINT:**

- The spiral cable will rotate approximately 2.5 turns to both the left and right from the center.
- When the spiral cable is centered, the connector is at the top and the conditions below can be checked.
- w/o Steering Heater:  
With the steering wheel straight ahead, align the matchmarks to check the colored roller from the check window.
- w/ Steering Heater:  
With the steering wheel straight ahead, align the matchmarks to check the U-turn point of the cable from the check window.



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## SUPPLEMENTAL RESTRAINT SYSTEMS – SPIRAL CABLE



## Text in Illustration

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*a	Check Window	*b	Matchmark
	Colored Roller		U-turn Point

If the spiral cable cannot be centered, it is possible that the spiral cable is broken. Replace the spiral cable with a new one.

5. **INSTALL STEERING WHEEL ASSEMBLY (See page )**
6. **INSTALL STEERING PAD (See page )**
7. **INSTALL LOWER NO. 3 STEERING WHEEL COVER (See page )**
8. **INSTALL LOWER NO. 2 STEERING WHEEL COVER (See page )**
9. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**  
**NOTICE:**  
**When disconnecting the cable, some systems need to be initialized after the cable is reconnected (See page OO-OO).**
10. **INSPECT STEERING PAD (See page )**
11. **CHECK SRS WARNING LIGHT**
  - (a) Check the SRS warning light (See page OO-OO).