



VEHICLE - QUALITY BULLETIN

MARCH 19, 2025

Can-Am On-Road

BULLETIN 2024-10 | REVISION A

CAMPAIGN N° 2024-0010

NOTE

Repair only if described symptoms exist or are noticed.

Spyder RT Driveline Noise

MODEL YEAR	MODEL	ENGINE
MY24	Spyder RT	1330 ACE

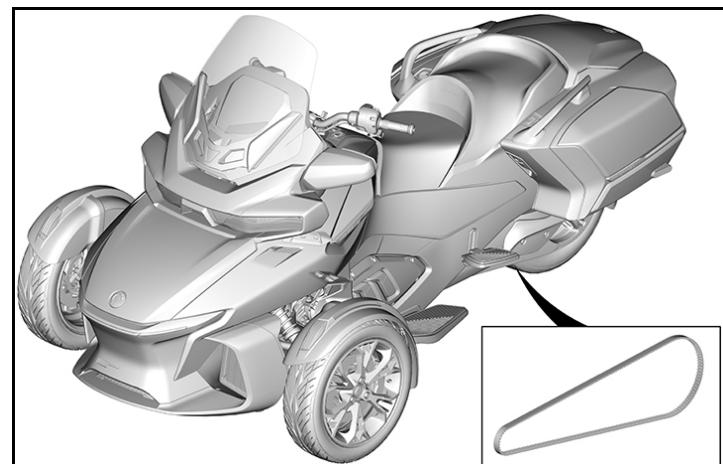
IMPORTANT

When receiving a vehicle for service:

- Always lookup the vehicle identification number (VIN) on the Knowledge Center to ensure all required recalls are performed.
- Always connect the vehicle to the BRP diagnostic software (BUDS) to ensure all required updates are performed.

PROBLEM

Some Spyder RT may have some driveline noise coming from the drive belt.



SOLUTION

Replace the factory drive belt with a new, improved one.

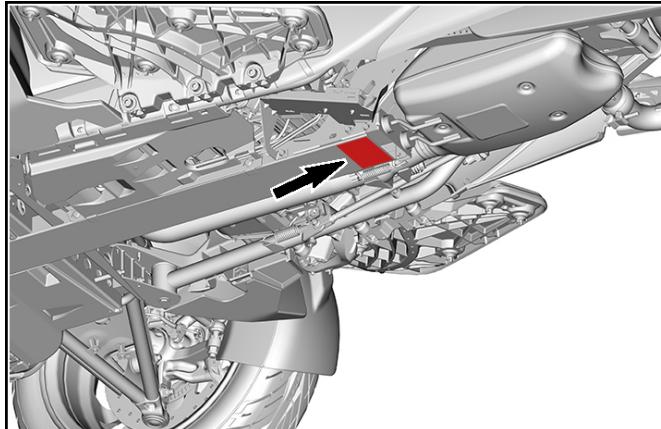
REQUIRED PARTS

Order the parts through the regular channel.

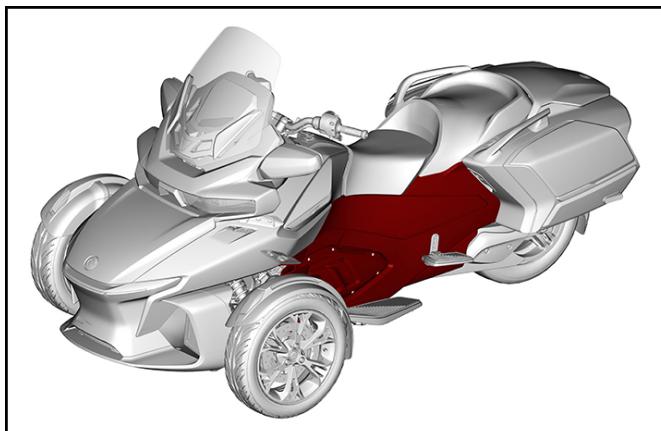
DESCRIPTION	PART NUMBER	QTY
Drive Belt	705501304	1

CORRECTIVE ACTION

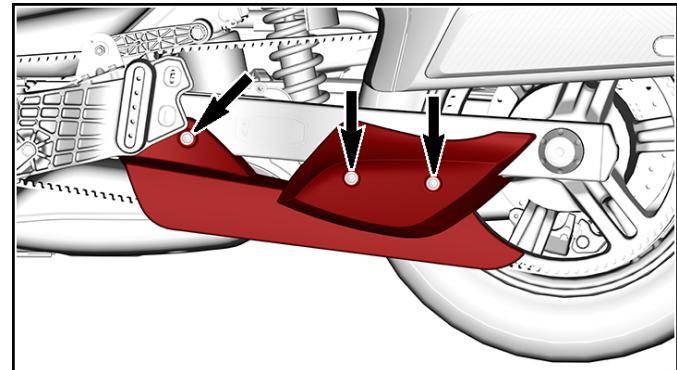
1. Lift rear of vehicle by the frame until rear wheel is off the ground. Secure the front wheels.



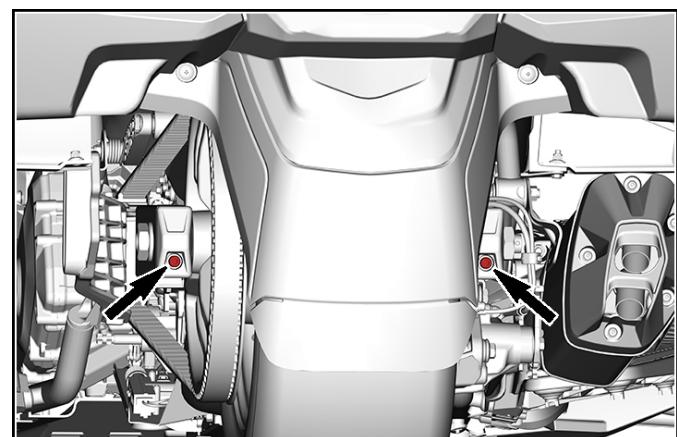
2. Remove body panels as required to access to the front sprocket.



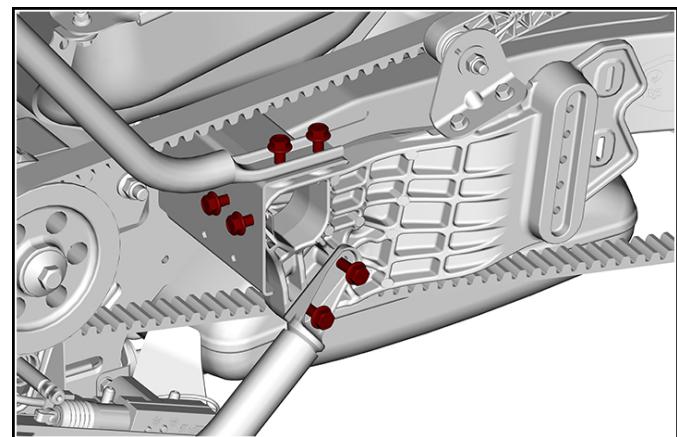
3. Remove the belt guards from the swing arm.

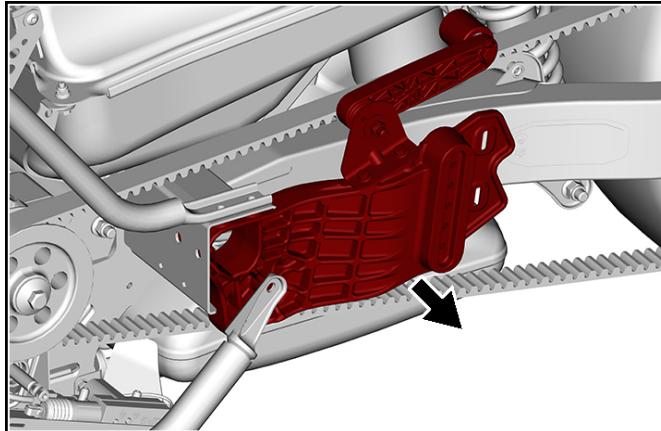


4. Remove the belt tension and completely loosen the tensioner screws to remove the belt from the rear sprocket.

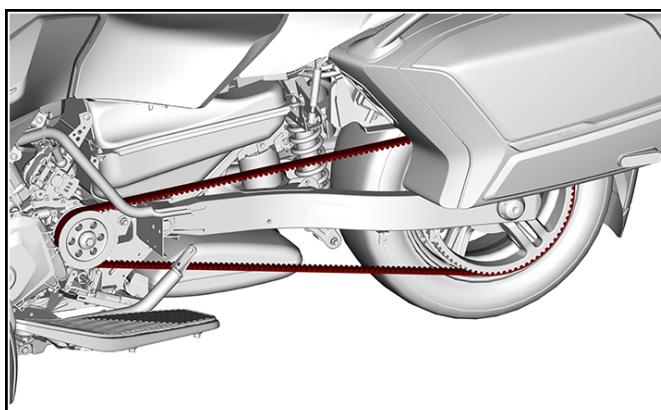


5. Remove the LH footrest support from the vehicle by unscrewing the retaining screws.



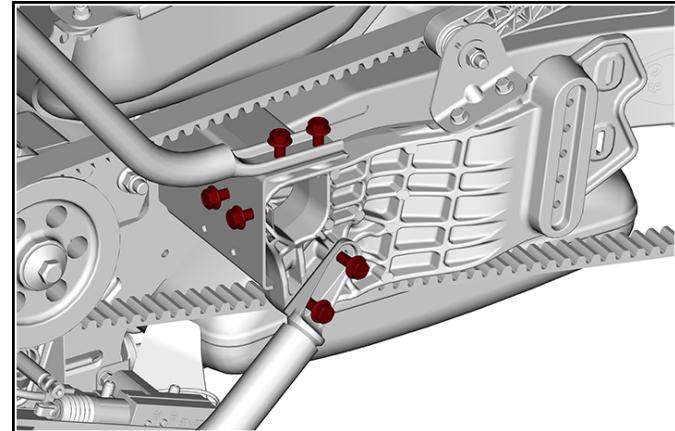
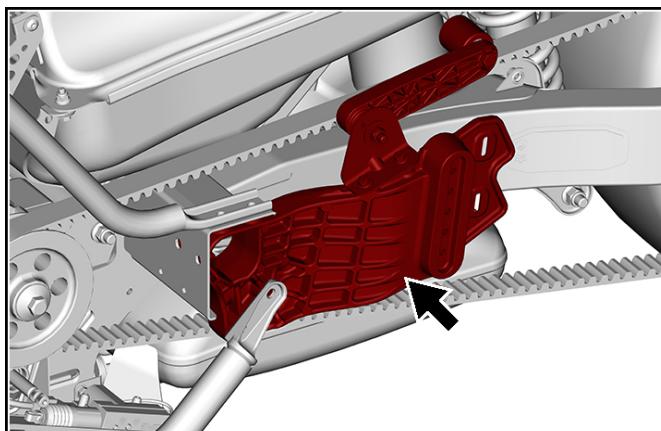


6. Remove the factory drive belt.



7. Install the new drive belt.

8. Install the LH footrest support on the vehicle and secure using the previously removed retaining screws.

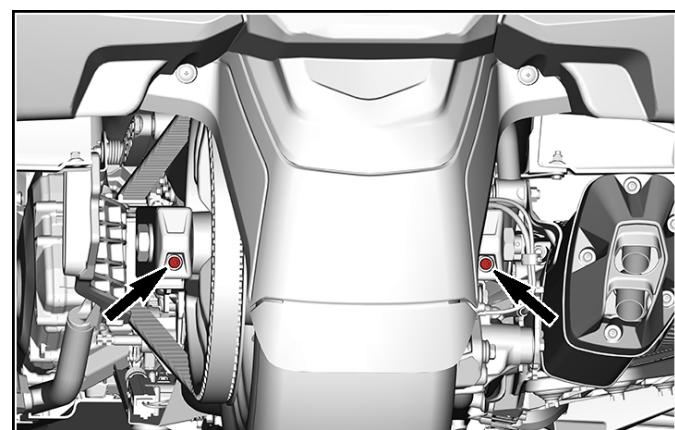


9. Tighten to specification.

TIGHTENING TORQUE	
Footrest support screws	24.5 N·m \pm 3.5 N·m (18.1 lbf·ft \pm 2.6 lbf·ft)
Lateral support screws	24.5 N·m \pm 3.5 N·m (18.1 lbf·ft \pm 2.6 lbf·ft)

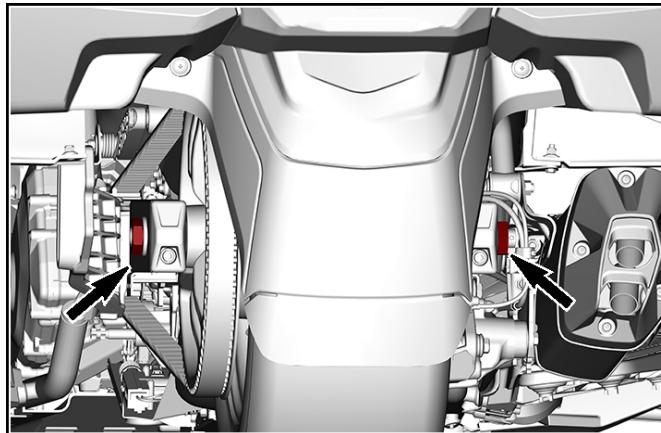
10. Adjust the belt tension by proceeding as follows:

- Tighten screws 1/4 turn to increase belt tension.
- Loosen screws 1/4 turn to decrease belt tension.



NOTE
Always turn both tensioner screws evenly to keep drive belt aligned.

11. Tighten rear axle nut enough to avoid rear axle movement.



12. Enter the following specifications to program the belt tension meter.

REQUIRED TOOL			
Gates 350C Sonic Tension Meter			

SPROCKET SIZE	MASS	WIDTH	SPAN
353 mm (13.898 in.)	8.0 g/m	28.0 mm/R	980 mm

NOTE
Refer to the manufacturer's instructions to set the informations into the device.

13. Position the sensor under the LH passenger footrest and hold the sonic tension meter sensor approximately 1 cm (1/2 in) from belt or closer without touching the belt.

14. Tap the belt to make the belt vibrate and note the measurement. Take a second measure.

15. Rotate the wheel and measure the belt tension again. Note the measurement.

16. Rotate the wheel for a third time and measure the belt tension.

NOTICE
Make sure the measuring points are evenly distributed around the belt.

17. Compare the results. The average of the 3 obtained values must be within the following range:

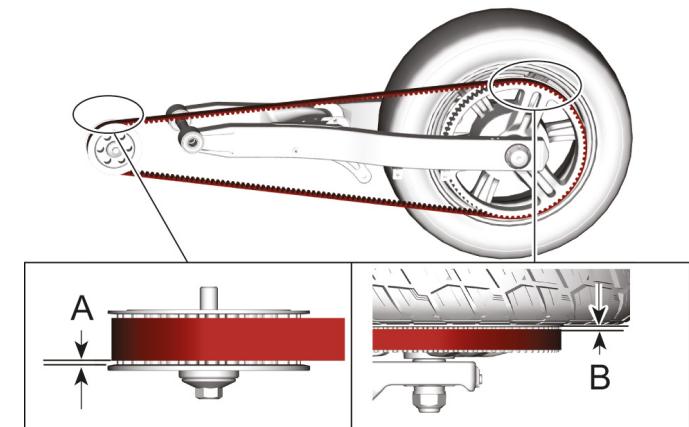
DRIVE BELT TENSION (PARTS AT ROOM TEMPERATURE AND LIFTED VEHICLE REAR)		
Tension	$35.1\text{Hz} \pm 2.5\text{Hz}$	$1050\text{ N} \pm 150\text{ N}$

18. After having the correct belt tension, ensure the drive belt is correctly positionned on the rear sprocket.

19. The drive belt alignment should be as specified.

DRIVE BELT ON FRONT AND REAR SPROCKET	
Total (front and rear)	$3.25 \pm 2.75\text{ mm (}1/8 \pm 7/64\text{ in)}$

NOTICE
The belt can be in contact with only one flange of either sprockets.



$$\bullet A + B = 3.25 \pm 2.75\text{ mm (}1/8 \pm 7/64\text{ in)}$$

20. Clear rear wheel area.

21. Start engine.

22. Select first gear.

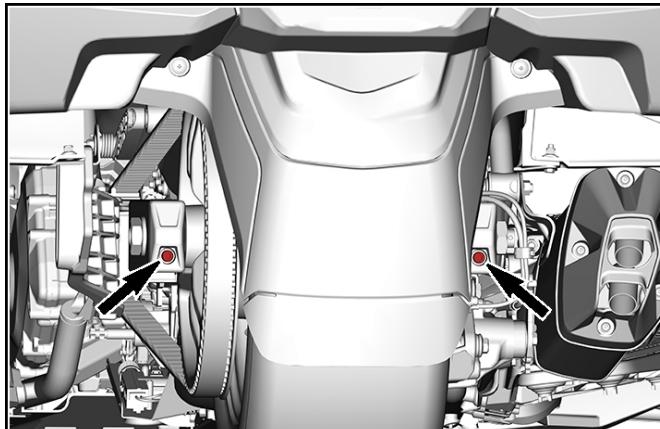
23. Accelerate engine to turn rear wheel.

WARNING
Keep speed at minimum. Vehicle must be properly supported and front wheels blocked.

24. Stop rear wheel and repeat in reverse.

25. Stop engine.

26. If an adjustment is necessary, tighten the appropriate axle tensioner screw and recheck the alignment.

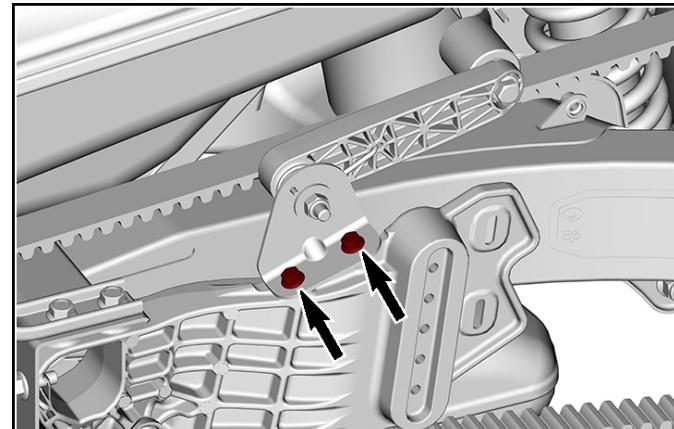
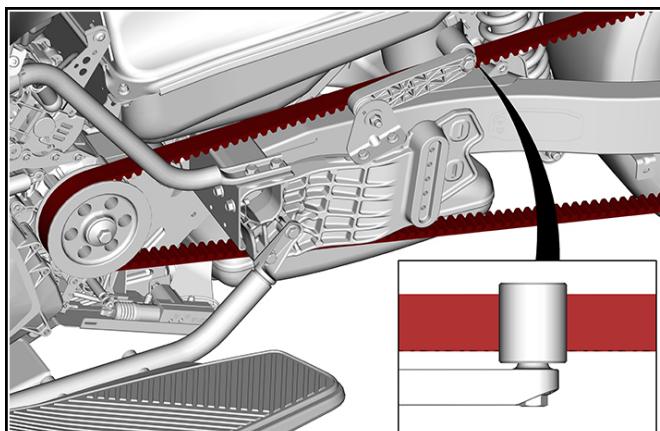


27. When alignment is good, re-check the drive belt tension. Refer to the procedure in this bulletin.

28. Hold the rear axle nut steady and tighten the rear axle to specification.

TIGHTENING TORQUE	
Rear axle	225 N·m \pm 15 N·m (166 lbf·ft \pm 11 lbf·ft)

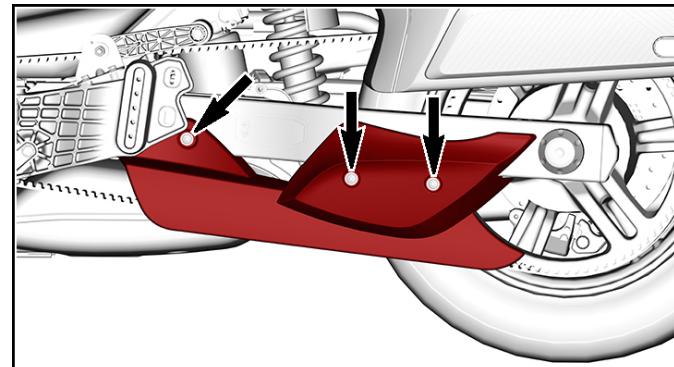
29. Ensure the idler wheel is centered on the drive belt as shown. If not, loosen the mounting screws to adjust.



30. Tighten to specification.

TIGHTENING TORQUE	
idler wheel support screws	9 N·m \pm 1 N·m (80 lbf·in \pm 9 lbf·in)

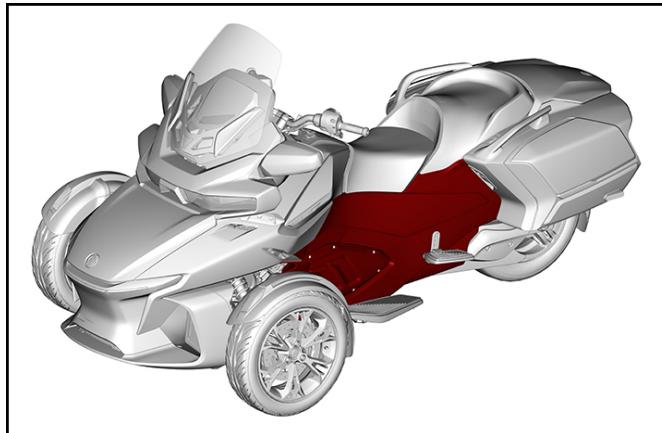
31. Install the belt guard on the swing arm and secure using the previously removed screws.



32. Tighten to specification.

TIGHTENING TORQUE	
Belt guard screws	3.5 N·m \pm 0.5 N·m (31 lbf·in \pm 4 lbf·in)

33. Install the previously removed body panels.



34. Lower the vehicle to the ground.

WARRANTY

Submit a warranty claim using the following information.

For claiming procedure, refer to the online *Dealer/Distributor Warranty Guide*.

WITH BOSSWEB

CLAIM DETAILS	
Product Line	Roadster
Unit Model Year	2024
Campaign/Bulletin/Description	10 / 2024-10 / SPYDER RT DRIVE BELT NOISE
*Action <div style="display: flex; justify-content: space-around;"> Inspect Repair </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <input type="checkbox"/> <input checked="" type="checkbox"/> </div>	
Total Labor Time Paid	0.8 hour
Expiration Date	January 31, 2027