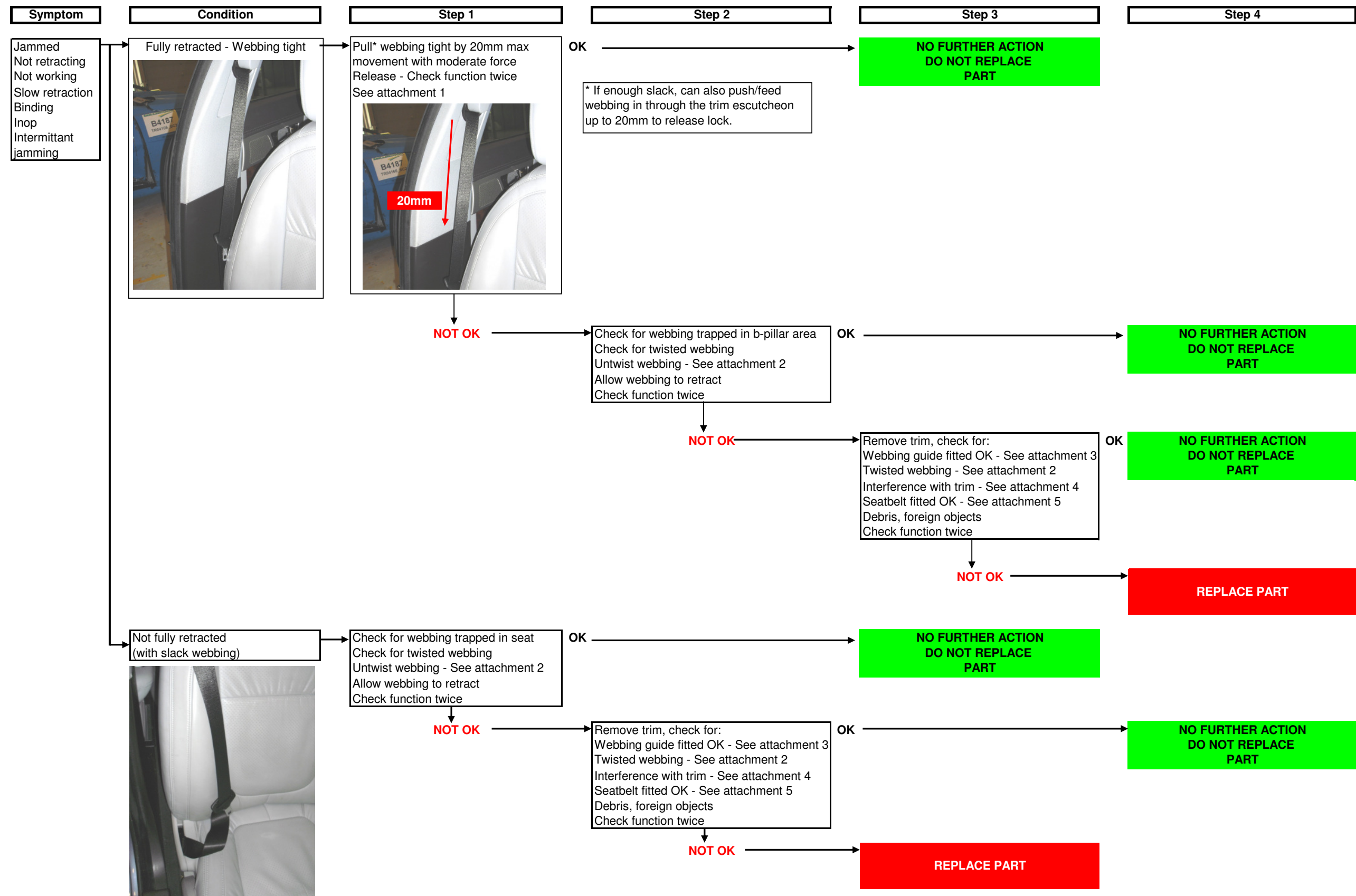


Reference	SSM44574
Models	XF / X250
Title	XF seat belt diagnostic guide
Category	Body
Last modified	29-Jun-2010 00:00:00
Symptom	104000 Restraint Systems
Attachments	X250 Front Seatbelts Diagnostic Guide.pdf (X250 Front Seatbelts Diagnostic Guide.pdf) X250 Rear Seatbelts Diagnostic Guide-1.pdf (X250 Rear Seatbelts Diagnostic Guide-1.pdf)
Content	<p><u>Issue:</u> Operation of front and rear seat belts.</p> <p><u>Cause:</u> Jaguar are receiving a growing number of reported concerns from XF customers relating to the operation of front and rear seat belts, many of these reported concerns have been induced by the customer or simply by the customer not understanding how the front and rear seat belts operate. These concerns refer to the belts sticking or seizing in operation (ALR system active) twisted webbing and slow retraction.</p> <p><u>Action:</u> Should a customer report any of the above concerns then please refer to the attached files which will help diagnose and resolve the concern.</p>

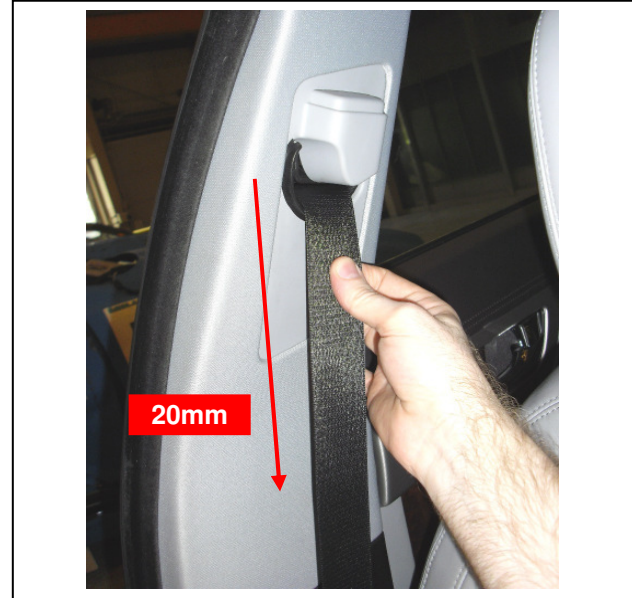
Seatbelt Diagnostic Guide For Front Seatbelts on Jaguar XF



How To Release Backlock



1. Seatbelt is locked, webbing is tight against seat.



2. Pull out the webbing by about 20mm with moderate force by hand.



3. Allow the webbing to retract.



4. The seatbelt is unlocked.

Twisted Webbing

Symptom: No retraction, slow retraction, inop, not working

FRONT SEATBELT



Twist in webbing. It is very difficult to force a twist through the d-loop, the twist is most likely due to incorrect fitment during assy / refit.



To untwist remove retractor and refit correctly.



Twist in webbing. It is very difficult to force a twist through the d-loop, the twist is most likely due to incorrect fitment during assy / refit.



To untwist remove anchor and refit correctly.

Twisted Webbing

Symptom: No retraction, slow retraction, inop, not working



Twist caught up in d-loop can cause slow / no retraction and slack belt hang. This twist condition is caused by inducing twist during action of taking off belt.

Issue can be more prevalent when seat position of driver is further forward.

Not part fault.

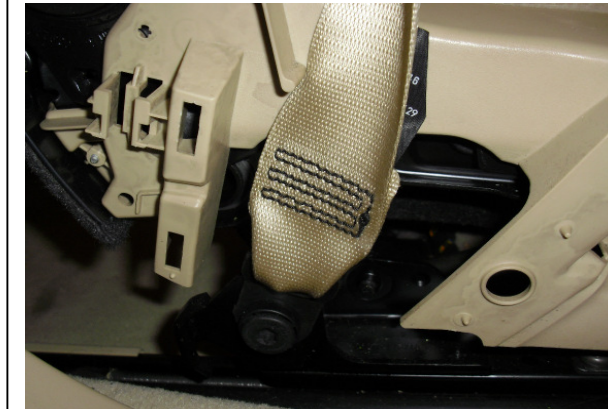
Not Twisted Webbing - Check Points



Correct
tongue
orientation



Correct
webbing
run.
Freely
rotating d-
loop.



Correctly
fitted
anchor
plate,
homologat
ion label
facing
inboard.



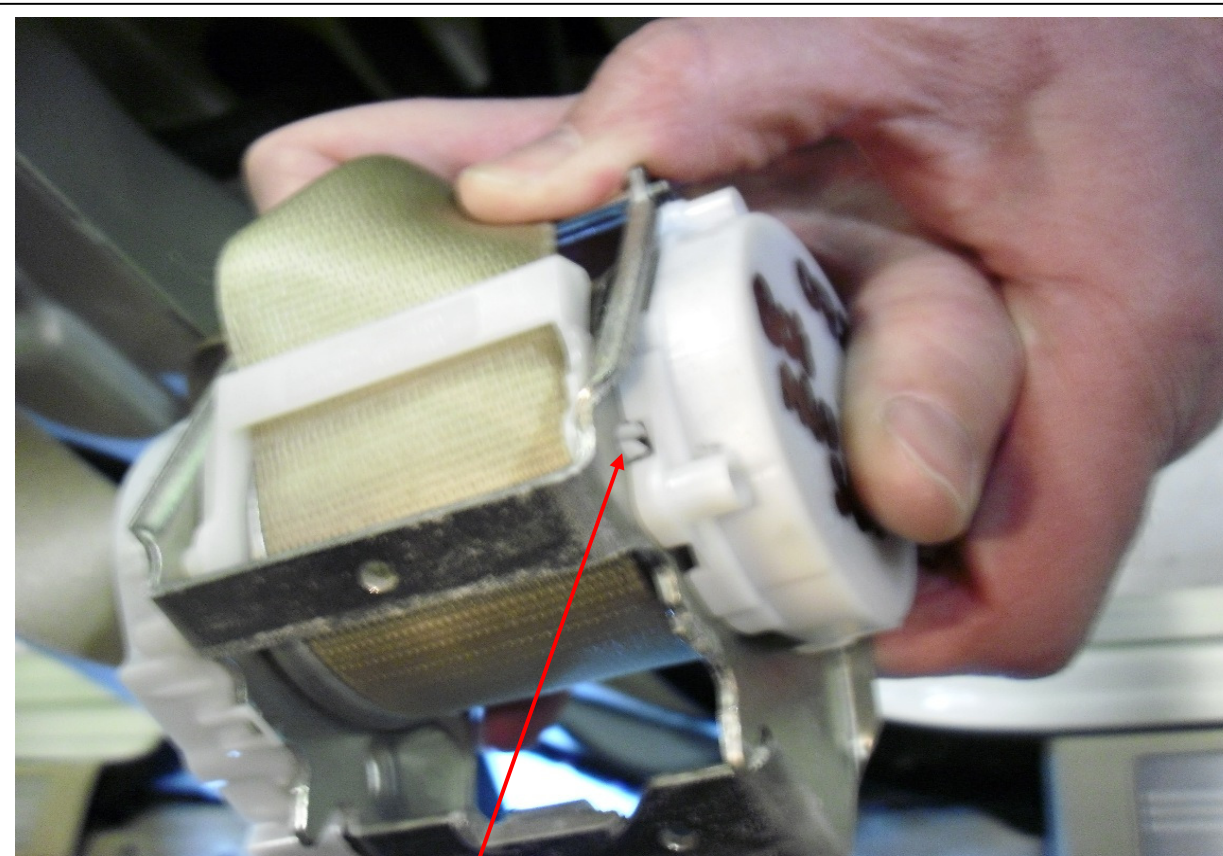
Correctly
fitted trim
over d-
loop. Hole
in trim
locates
cleanly
over bolt.
Freely
rotating d-
loop.

Webbing Guide Condition

Symptom: Slow and/or no retraction.

OK Assembly Condition

FRONT SEATBELT




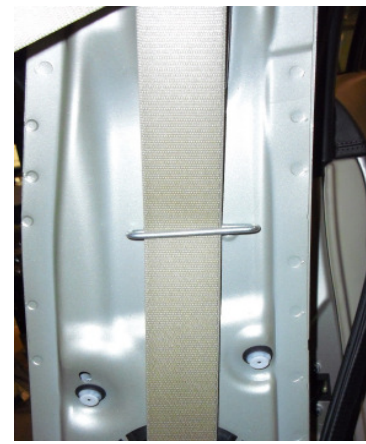



Check the the plastic locating lug pn the webbing guide is properly located in the retractor frame on both sides of the guide. Refit if required.

Interference & Obstruction

Symptom: No retraction, slow retraction, inop, not working, webbing damage

FRONT SEATBELT

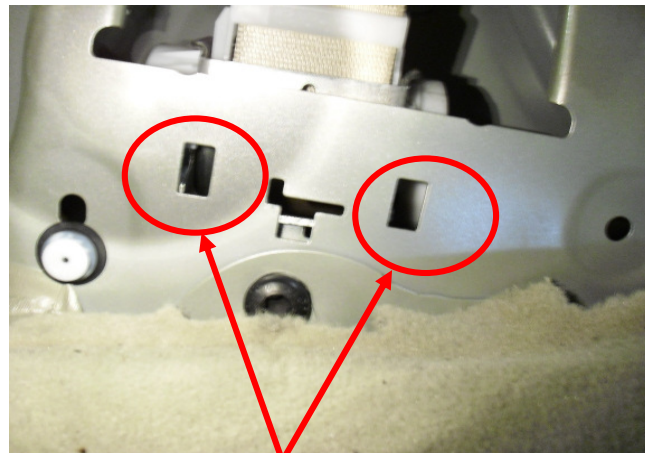
				
Retractor fitted correctly	No obstructions from wiring	No obstructions from plastic body inserts.	Webbing guide secure & not restricting belt.	D-loop freely rotating.

	
Correctly fitted trim over d-loop. Hole in trim locates cleanly over bolt. Freely rotating d-loop.	No external obstructions to webbing.

Retractor Assembly Condition

Symptom: Jamming, intermittent jamming, inop, not working

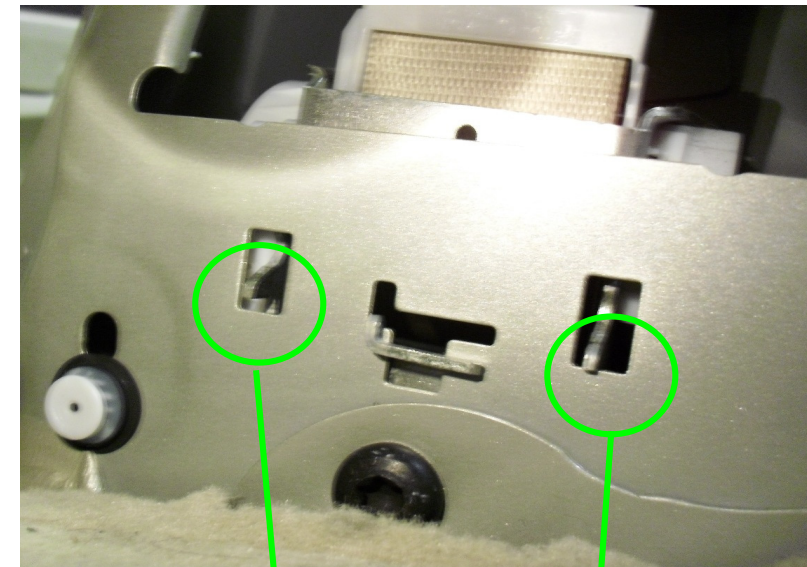
FRONT SEATBELT



Anti rotational pin misplaced - behind panel

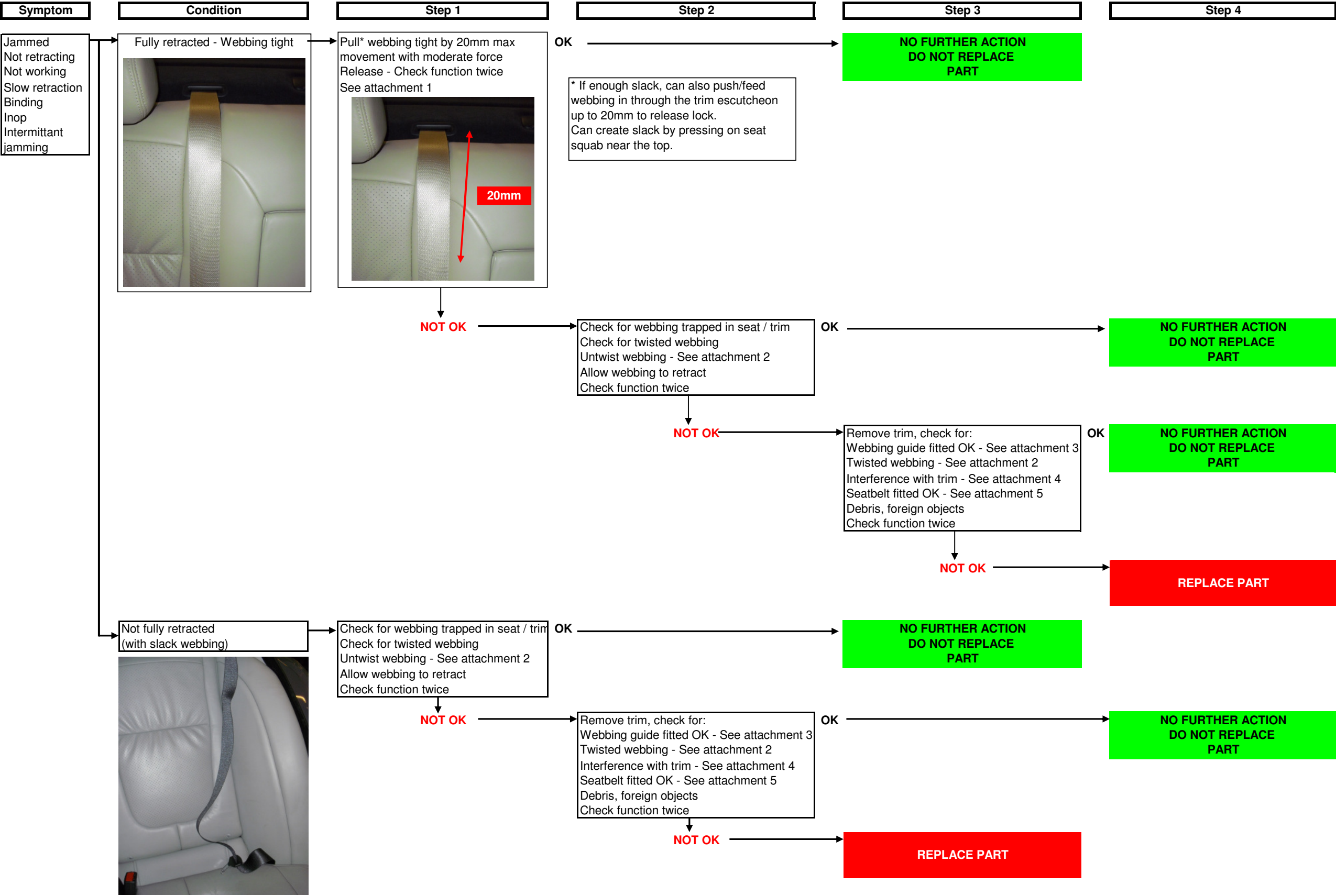
Symptom: Jamming, intermittent jamming, inop, not working

OK Assembly Condition



Anti rotational pins located in body panel.

Seatbelt Diagnostic Guide For Rear Seatbelts on Jaguar XF



How To Release Backlock



1. Seatbelt is locked, webbing is tight against seat.



2. Pull out the webbing by about 20mm with moderate force by hand.



Alternative 2. Press on seat squab to allow slack, feed webbing in up to 20mm.



3. Allow the webbing to settle / retract.



4. The seatbelt is unlocked.

Twisted Webbing

Symptom: No retraction, slow retraction, inop, not working

REAR CENTRE SEATBELT



Twist in webbing. This is usually the webbing being folded in through the trim escutcheon on the parcel shelf (rarely due to incorrect fitment).

There will normally be a significant rasping noise where the belt rubs the parcel shelf trim during extraction / retraction.



To untwist, no need to remove the belt, just pull out some webbing, twist the webbing back the right way and feed the twist back through the escutcheon.



Twist has been passed through the plastic escutcheon and will now be correct.

Noise during extraction / retraction is much quieter.

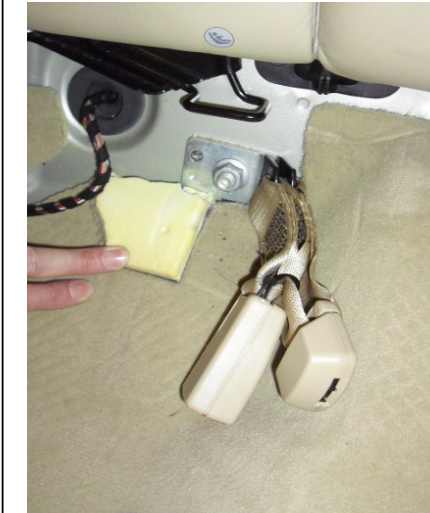
Not Twisted Webbing - Check Points



Correct tongue orientation



Correct webbing run



Correctly fitted anchor plate and buckle orientation.

Twisted Webbing

Symptom: No retraction, slow retraction, inop, not working

REAR OUTBOARD SEATBELTS



Twist in webbing. It is very difficult to force a twist through the d-loop, the twist is most likely due to incorrect fitment during assy / refit.



To untwist remove retractor fixing bolt, untwist and refit correctly.

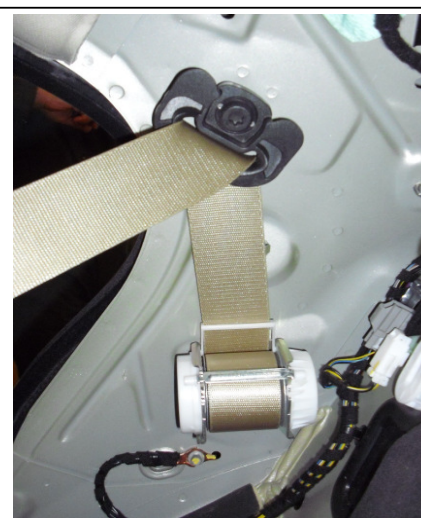


To untwist remove anchor fixing bolt, untwist and refit correctly.

Not Twisted Webbing - Check Points



Correct tongue orientation



Correct webbing run



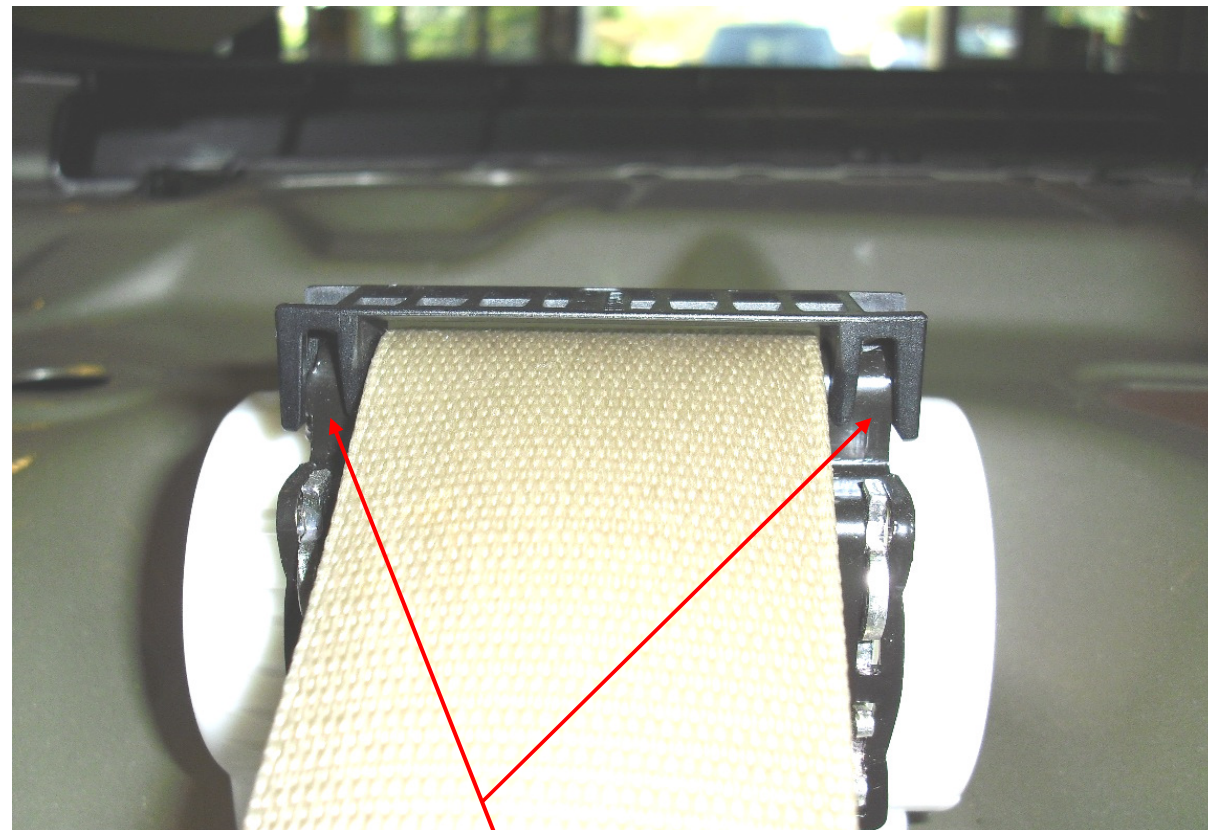
Correctly fitted anchor plate, homologation label facing outboard.

Webbing Guide Condition

Symptom: Slow and/or no retraction.

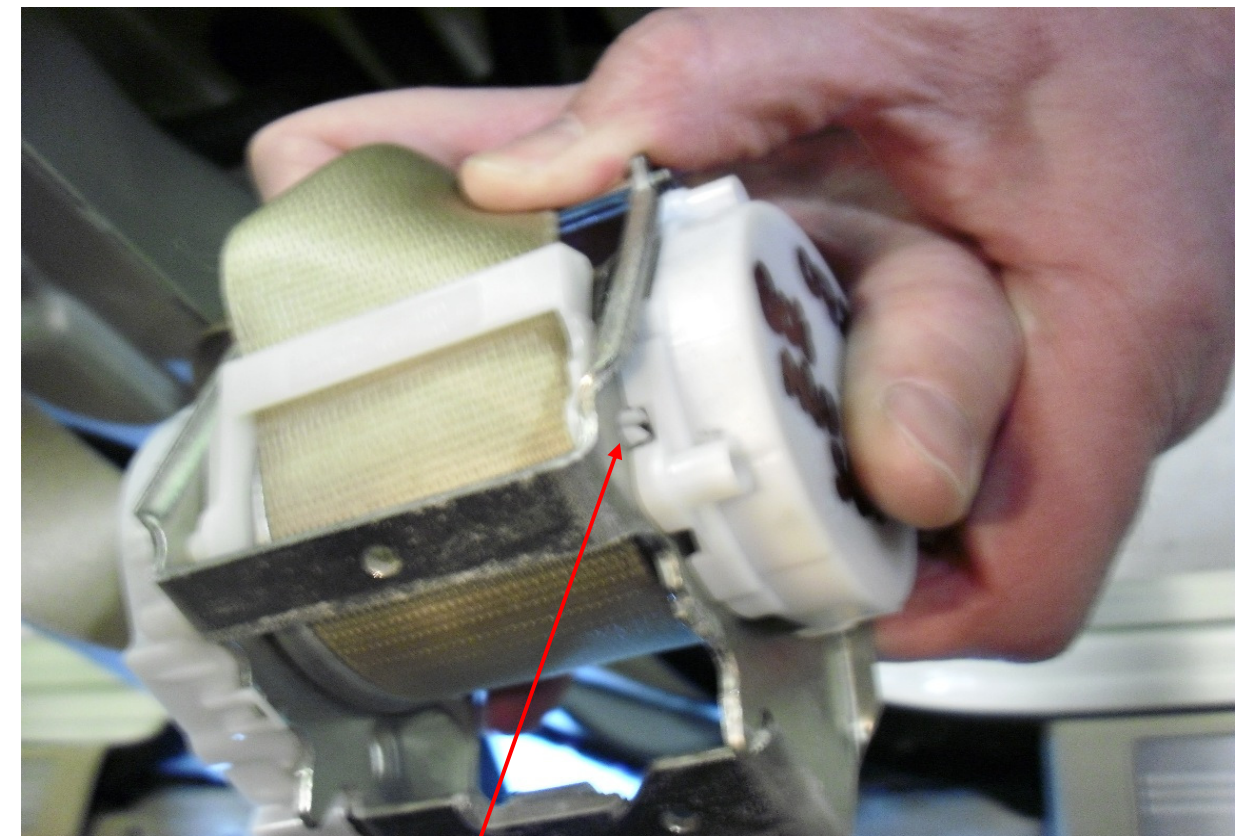
OK Assembly Condition

REAR CENTRE SEATBELT



Check for correct fitment at 2 clipping areas. If the webbing guide is loose or off, refit by clipping in to place.

REAR OUTER SEATBELT

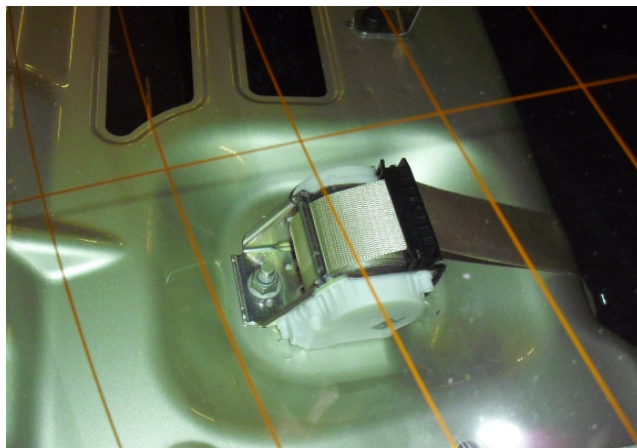


Check the the plastic locating lug pn the webbing guide is properly located in the retractor frame on both sides of the guide. Refit if required.

Interference & Obstruction

Symptom: No retraction, slow retraction, inop, not working, webbing damage

REAR CENTRE SEATBELT



Check retractor seated correctly and there are no obstructions or interference to restrict belt movement from the covering parcel shelf.



- Check the plastic trim escutcheon is not damaged and is fitted correctly.
- Check the belt runs smoothly through the slot of the escutcheon.
- Check the belt is not trapped between the parcel shelf and seat squab.

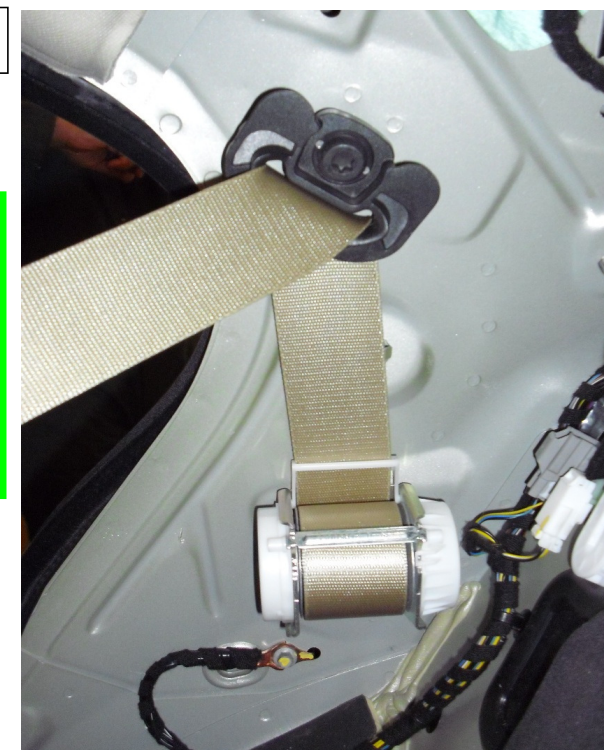


Check the buckle is in the correct position for the outboard seatbelt.



REAR OUTER SEATBELT

- Check retractor seated correctly and there are no obstructions or interference to restrict belt movement from the wiring and the covering trim panel.
- Check the d-loop can rotate freely.



- Check the plastic trim escutcheon is not damaged and is fitted correctly.
- Check the belt runs smoothly through the slot of the escutcheon.
- Check the belt is not trapped between the trim and the seat bolster.

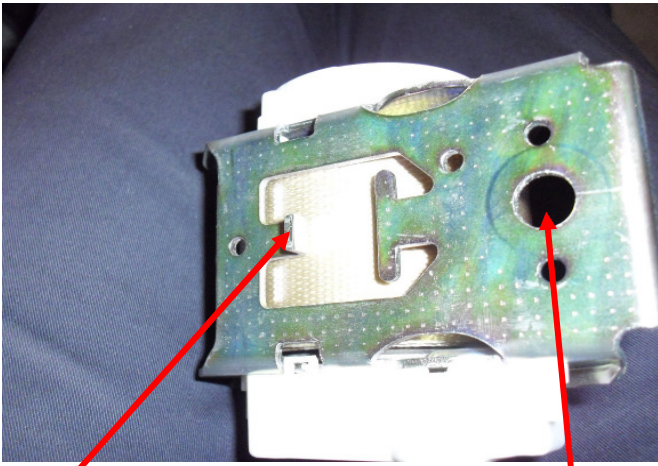
Retractor Assembly Condition

Symptom: Jamming, intermittent jamming, inop, not working

REAR CENTRE SEATBELT



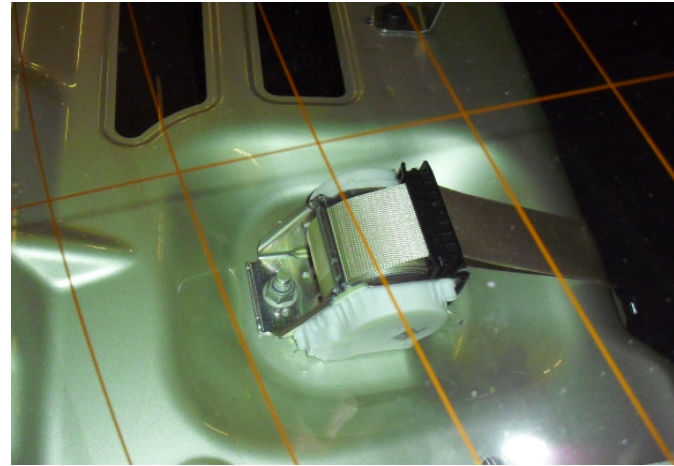
Locating stud and hole in the parcel shelf.



- Tang locates in parcel shelf hole.
- Stud on parcel shelf locates in retractor hole.

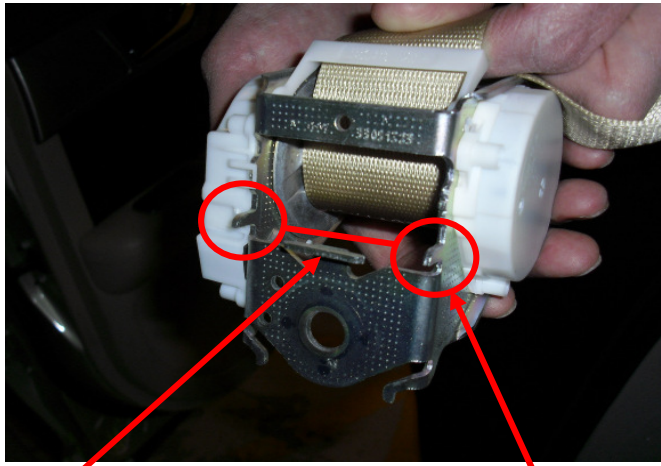


Ensure retractor sits flat on the parcel shelf.

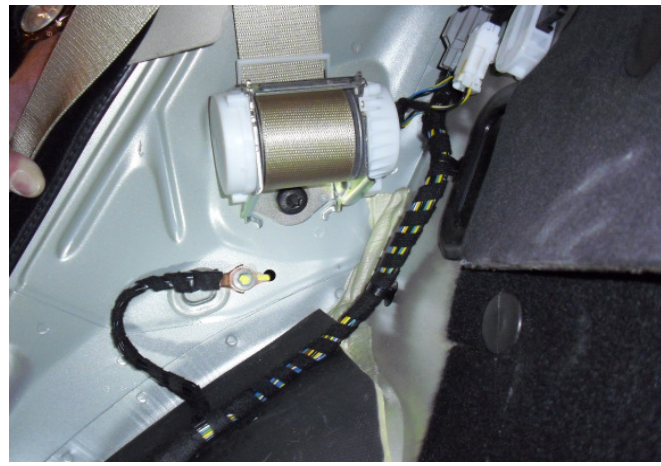


Ensure nut is tightened correctly.

REAR OUTER SEATBELT



- Tang locates in t-shaped slot of body.
- Anti-rotation pins locate in outer slots of body.



Ensure retractor sits flat on the body panel and does not trap any wiring.