SKI-DOO-LYNX (only available outside North America) KIT - Curved A-Arms 36

Part number (SKU) : 860201679

Product:	**Lynx**
Project no:	**487802875**
Instruction Sheet P/N:	**487802875**
Revision no:	
Revision date:	
Item covered:	**Curved A-Arms 36”**

The following symbols may be used in this document:

> ⚠ WARNING
>
> Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION: Indicates a hazard situation which, if not avoided, could result in minor or moderate injury.

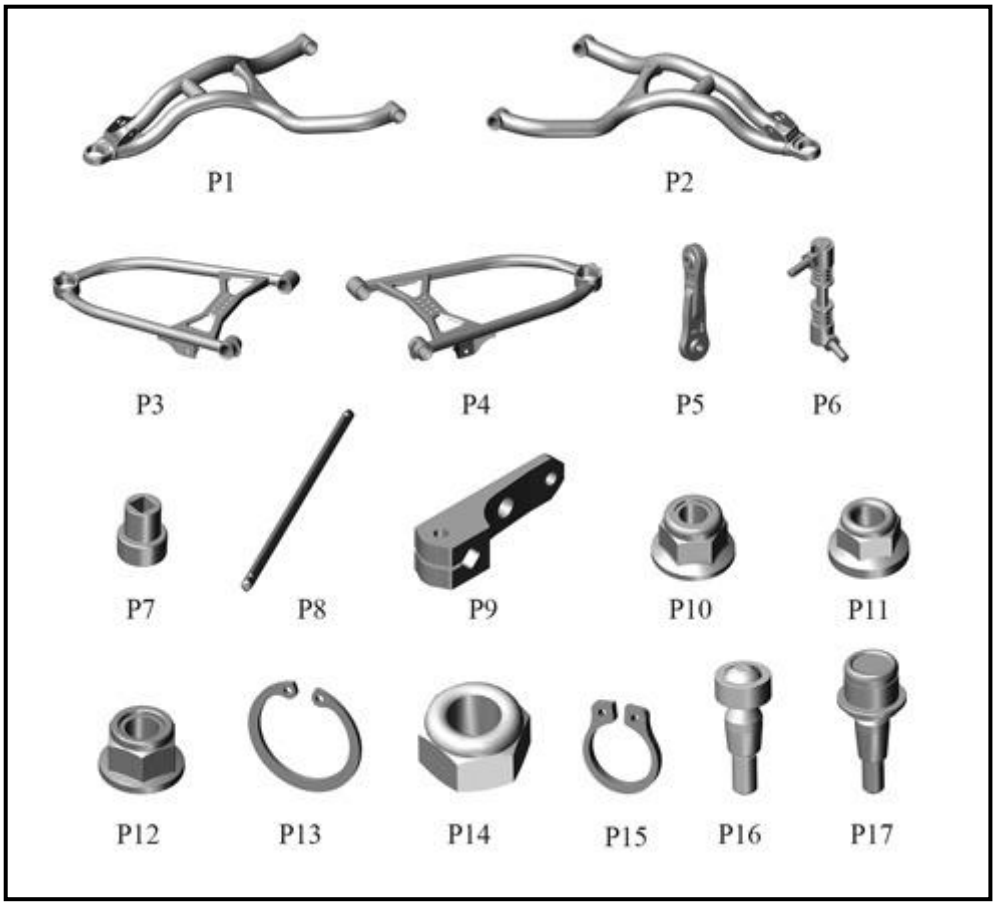
NOTICE **Indicates an instruction which, if not followed, could severely damage vehicle components or other property.**

> ⚠ WARNING
>
> - For safety reasons, this kit must be installed by an authorized BRP dealer.
> - This kit is designed for specific applicable models only (authorized BRP dealers will confirm model(s)). It is not recommended for units other than the one (those) for which it was sold.
> - If the installation of the kit requires a template, ensure that template is to scale.
> - Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required when undergoing disassembly/assembly, always replace with a new one.
> - Torque wrench tightening specifications must strictly be adhered to.
> - Some components may be HOT. Always wait for engine to cool down before performing work.

NOTE: The illustrations in this document show typical construction of the different assemblies and may not reproduce the full detail or exact shape of the parts.

Installation time is approximately 1 hours.

PARTS TO BE INSTALLED



ITEM	DESCRIPTION	P/N	QTY
P1	LOWER ARM LH, BEND 36"	505074338	1
P2	LOWER ARM RH, BEND 36"	505074339	1
P3	ARM-UPPER LH W SWAY BAR 36"	505074637	1
P4	ARM-UPPER RH W SWAY BAR 36"	505074638	1
P5	DOUBLE BALL JOINT LINK	505074123	1
P6	ANTI ROLL BAR LINK, RH	505073962	1
P7	BUSHING	505072064	2
P8	STABILISATOR	505073819	1
P9	LEVER-STABIL.MACH.	505074380	2
P10	HEX. FLANGED ELASTIC NUT M6	233261466	6
P11	HEX. FLANGED ELASTIC NUT M10	250100165	8
P12	HEX. FLANGED ELASTIC NUT M8	233281466	2
P13	CIRCLIP	293370070	2
P14	HEX ELASTIC NUT M12	232521464	4
P15	CIRCLIP	293370098	2
P16	UPPER BALL JOINT	505072913	2
P17	BALL JOINT	505074133	2

ICON LEGEND

ICON	INDICATES
	Parts kept for reinstallation
	Parts to be discarded

INSTRUCTIONS

Vehicle preparation

Refer to your SHOP MANUAL and remove the following components:

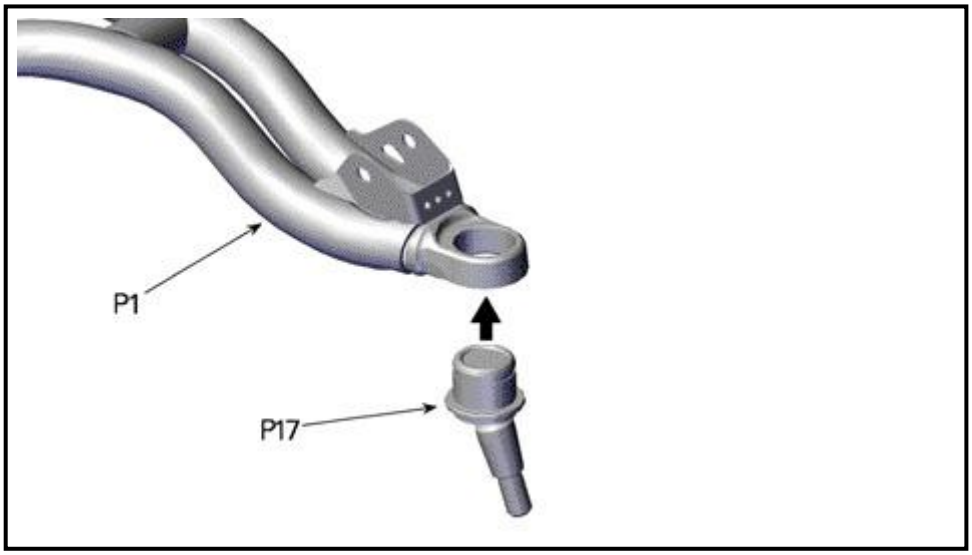
- Side panels
- Upper Body module.
- Tuned Pipe.
- Muffler assembly.
- Drive belt guard.

Lift the front of vehicle until skis are off the ground.

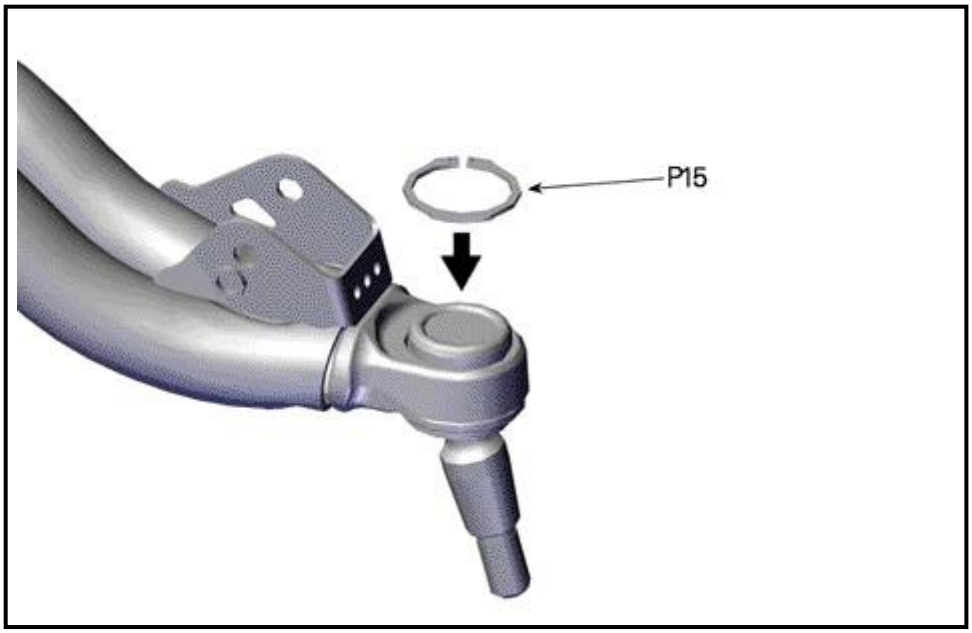
Preparation

Left Side illustrated:

Using a shop press and suitable socket press ball joint [P17] to lower arm LH[P1] and secure with circlip [P15.]

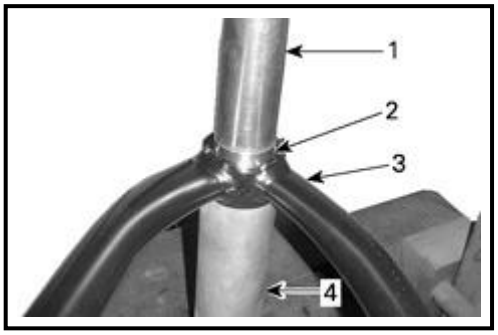


1. Press Ball Joint[P17] to Lower arm LH[P1]



1. Secure with Circlip [P15].

Using a shop press and suitable socket press upper ball joint [P16] to upper LH arm[P3]. Secure with circlip [P13].



TYPICAL

1. Suitable Socket
2. Ball joint [P16]
3. Upper LH arm [P3]
4. Suspension arm supoort (P/N 529 035 637)

TYPICAL

1. Secure with Circlip [P13]

Repeat above operations for RH side with RH parts.

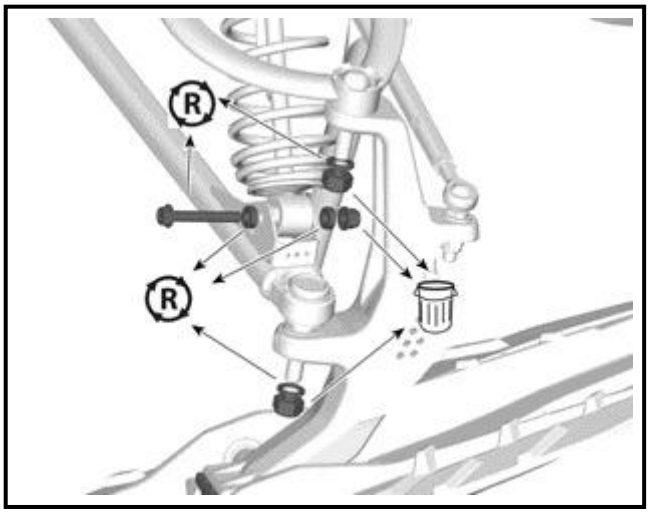
Suspension arms installation

NOTE: Complete removal/installation of lower suspension arms on LH or RH side first before the other side.

Remove shock absorber lower screw, nut and spacers. Keep screw and spacers, discard nut.

Remove and discard ball joint nuts, keep washers.

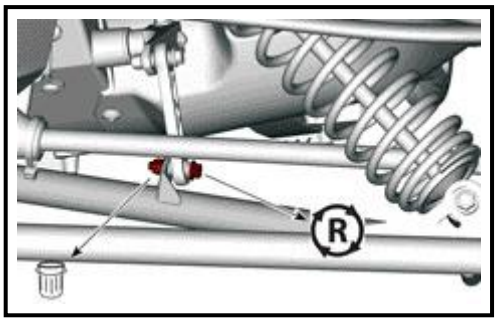
Using a suitable ball joint remover, detach lower and upper ball joints from ski leg.



1. Keep screw, washers and spacers.
2. Discard nuts.

Remove screw and nut securing stabilizer links to lower suspension arm. Keep screw, discard nut.

NOTE: For RH side, also the screw is discarded.

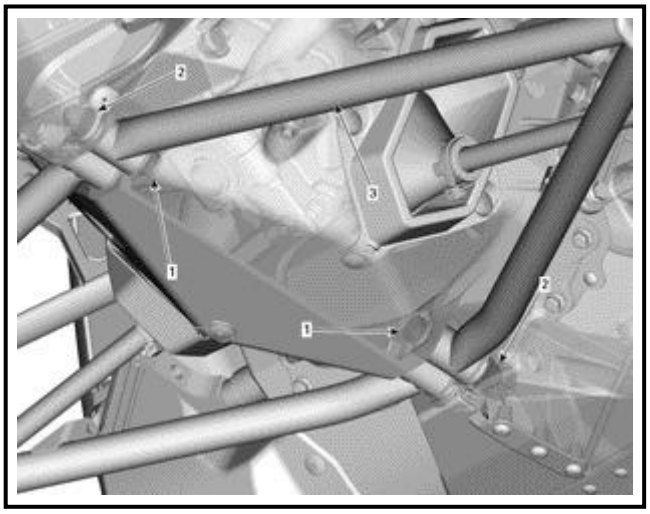


1. Keep screw, discard nut.

Remove lower suspension arm. Keep screws, metal bushings and washers. Discard nuts. Check condition of wear plates and plastic bushings, replace if necessary with new ones. Contact your official Lynx dealer for:

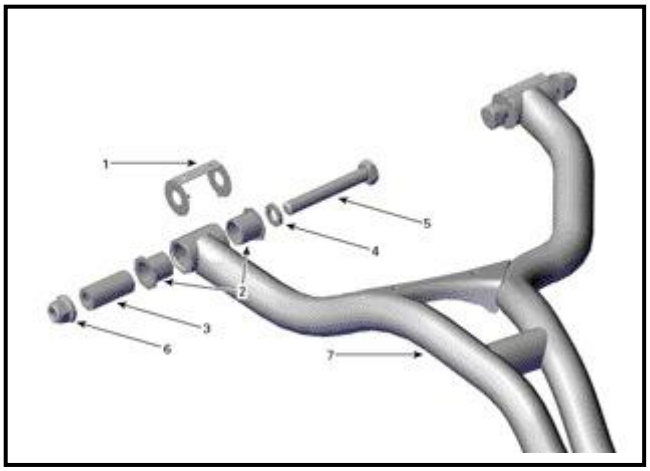
Plastic bushing (P/N 505073330).

Wear plate (P/N 505072634).



1. Keep screws, metal bushings and washers
2. Discard nuts. Check wear plates and plastic bushings condition
3. Lower suspension arm

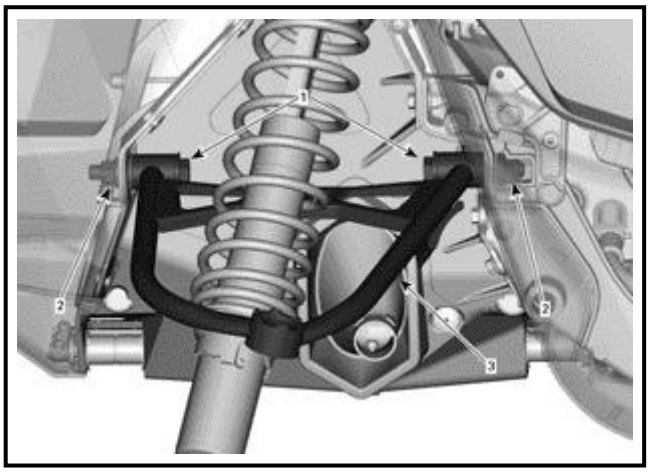
Assemble lower suspension arm LH [P1]. Do not install on device yet.



LOWER SUSPENSION ARM
1. Wear plate (P/N 505072634)
2. Plastic bushings (P/N 505073330)
3. Metal bushing
4. Washer
5. Screw
6. M10 nut [P11]
7. Lower suspension arm LH [P1]

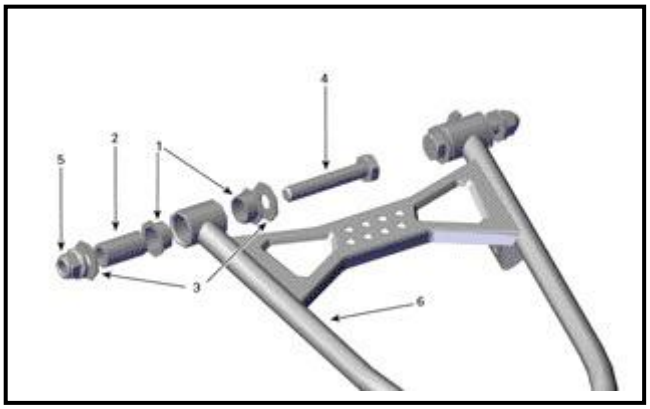
Remove upper suspension arm. Keep screws, metal bushings and washers. Discard nuts. Check condition of plastic bushings, replace if necessary with new ones. Contact your official Lynx dealer for:

Plastic bushing (P/N 505073329).



1. Keep screws, metal bushings and washers
2. Discard nuts. Check condition of plastic bushings
3. Upper suspension arm

Assemble upper suspension arm LH [P3] and install it in place. Tighten to specification.



1. Plastic bushings (P/N 505073329)
2. Metal bushing
3. Washers

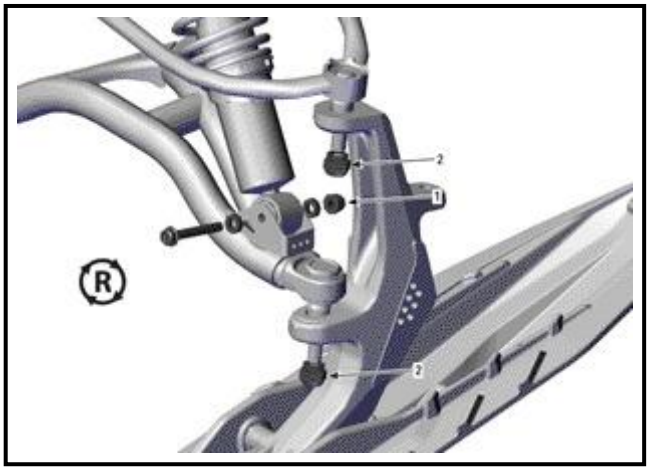
4. Screw
5. M10 nut [P11]
6. Upper suspension arm LH[P3]

Install lower suspension arm LH [P1] in place. Tighten to specification.

TIGHTENING TORQUE	
M10 nut [P11]	48 ± 6 N•m (35 ± 4 lbf•ft)

Attach shock absorber to lower suspension arm LH [P1]. Use screw and spacers from removal phase and M8 nut [P12]. Tighten to specification.

Attach upper and lower ball joints to ski leg, Use M12 nut [P14] and parts from removal phase. Tighten to specification.



1. M10 nut [P12]
2. M12 nuts [P14]

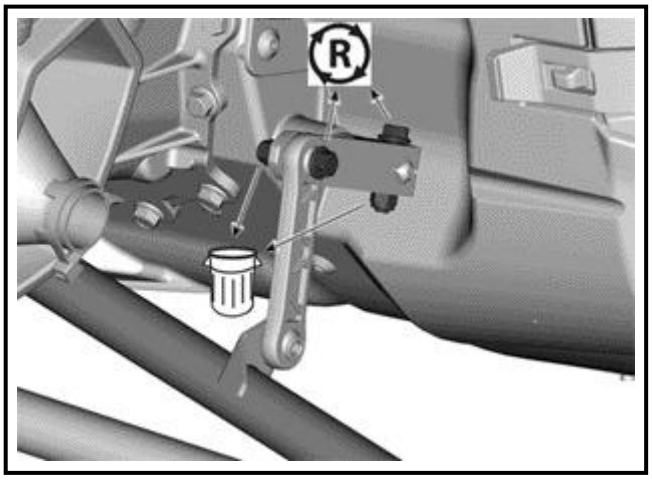
TIGHTENING TORQUE	
Shock absorber M10 nut [P12]	31.5 ± 3.5 N•m (23 ± 3 lbf•ft)
Ball joints M12 nut [P14]	48 ± 6 N•m (35 ± 4 lbf•ft)

Repeat operations for RH side with RH side parts.

Sway bar installation

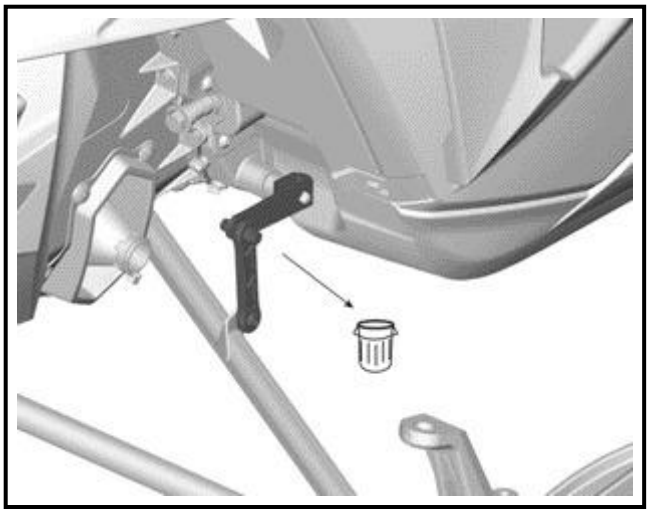
NOTICE **Removal of stabilisator bar is from LH side of device.**

Remove sway bar link screws and nuts on LH side. Keep screws, discard nuts.



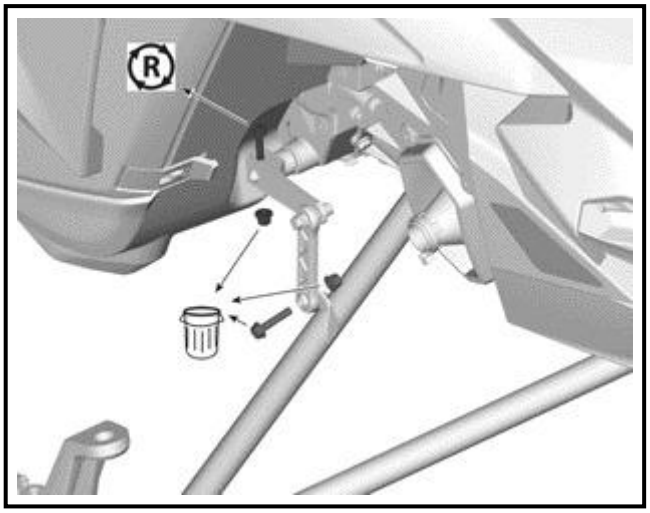
PARTS REMOVED FOR CLARITY

Remove and discard sway bar parts on LH side.



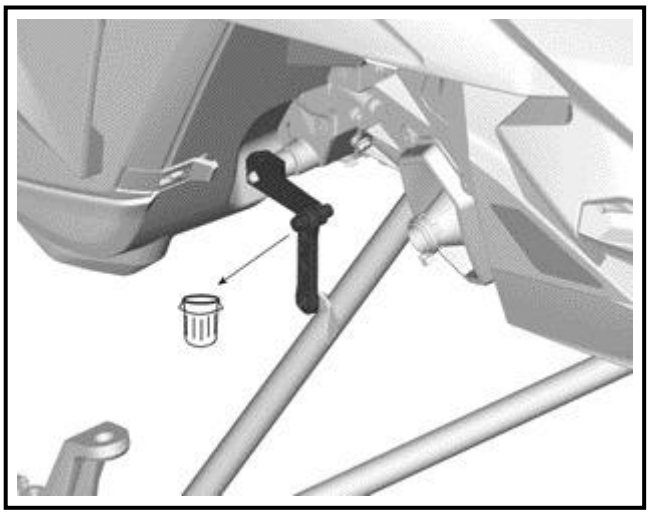
PARTS REMOVED FOR CLARITY

Remove sway bar link screws and nuts on RH side. Keep one screw from sway bar end, discard nuts and last screw.



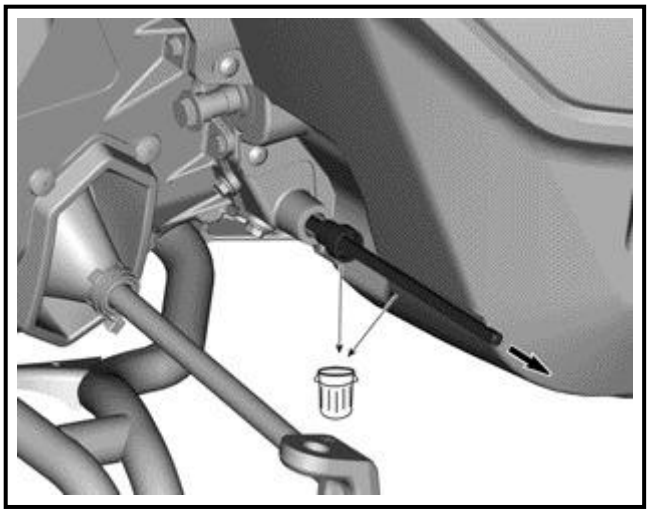
PARTS REMOVED FOR CLARITY

Remove and discard sway bar parts on RH side.



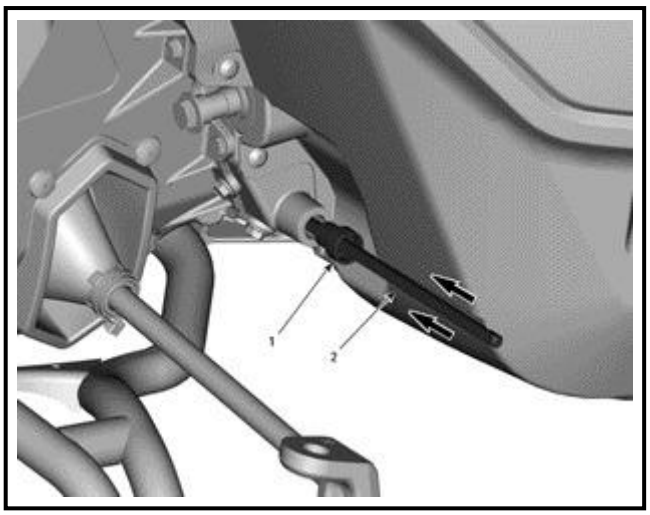
PARTS REMOVED FOR CLARITY

Remove and discard sway bar from LH side and bushings from both sides.



PARTS REMOVED FOR CLARITY

Install on both sides bushings [P7] and from LH side sway bar [P8].



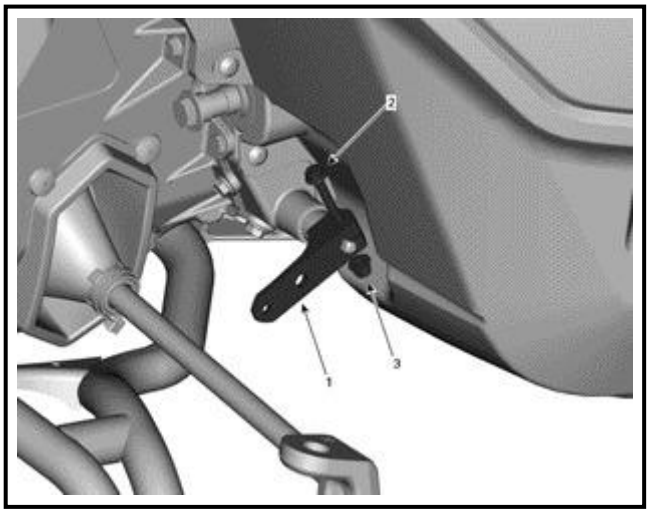
PARTS REMOVED FOR CLARITY

1. Bushing [P7]
2. Sway bar [P8]

Install lever stabilizers [P9] to sway bar on both sides. Use screws from removal phase and two M6 nuts [P10]. LH side shown, repeat operation for RH side. Tighten to specification.

NOTICE **Sway bar has hole for screw.**

NOTICE **Stabilizer is installed larger even surface outwards.**



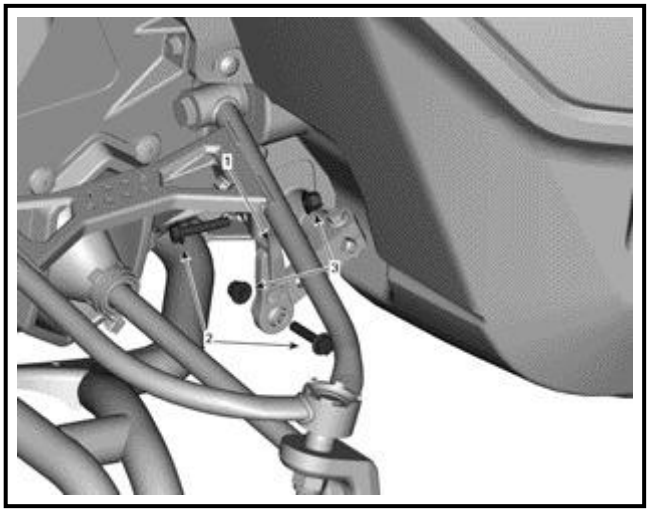
PARTS REMOVED FOR CLARITY

1. Lever stabilizer [P9]
2. M6 screw

3. M6 nut [P10]

TIGHTENING TORQUE	
M6 nut [P10]	19 ± 2 N•m (168 ± 18 lbf•in)

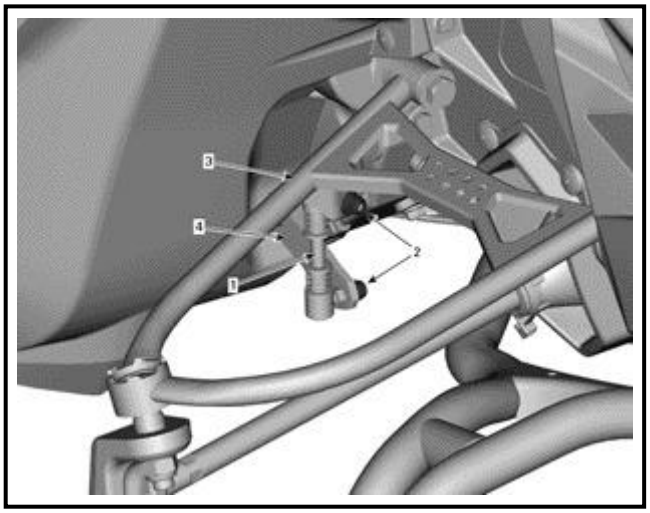
Install double ball joint [P5] on LH side using screws from removal phase and two M6 nuts [P10]. Tighten to specification.



1. Double ball joint link [P5]
2. M6 Screw
3. M6 Nut [P10]

Install anti roll bar link [P6] between lever stabilizer [P9] and upper suspension arm RH [P4]. Use two M6 nuts [P10]. Tighten to specification.

NOTE: To ease anti roll bar link installation, lift suspension arms to reach proper height between parts.



1. Anti roll bar link [P6]
2. M6 nut [P10]
3. Upper suspension arm RH [P4]
4. Lever stabilizer [P9]

TIGHTENING TORQUE	
M6 nut [P10]	15 ± 2 N•m (133 ± 18 lbf•in)

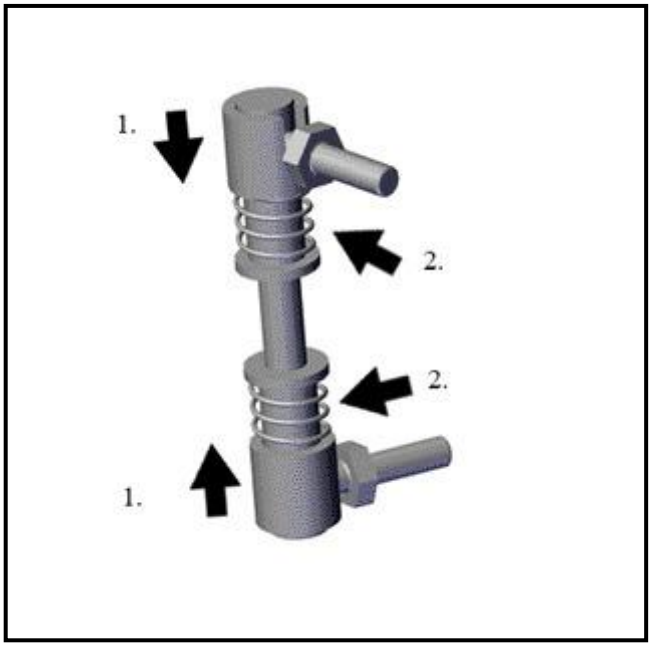
Re-install all removed parts.

WARNING

Trail riding without quick-disconnect link connected to the sway bar will increase the risk of losing control of snowmobile, possibly resulting in serious injuries or death. To reduce the risk of losing control of snowmobile, always reconnect this link to the sway bar when trail riding.

Sway bar

To remove anti roll bar link, press upper halves down against spring and pull link away from ball joints. To re-install repeat operation but push ball joints back into link.



1. Press halves down
2. Pull link away from ball joints