

This is a guide for changing front shock absorbers / or springs

Ovo je uputstvo za izmjenu prednjih amortizera / ili opruga

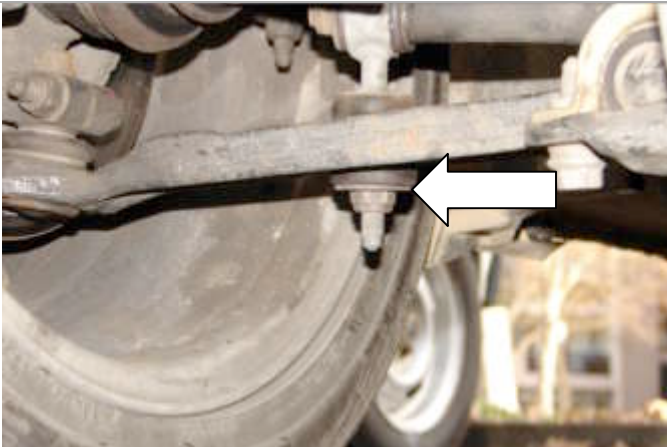


IF YOU DON'T HAVE SPRING CLAMPS – DO NOT ATTEMPT TO DO THE CHANGE (clamps are on the pic above)

UKOLIKO NEMATE STEZAČE OPRUGA – NE POKUŠAVAJTE IZMJENU (izgled stezača je na slici iznad)

Step 1

Korak 1

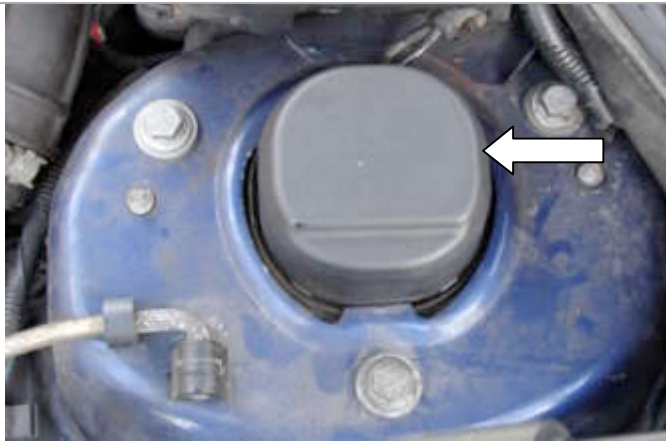


First you need to unscrew the cross link bar of the wish bone (white arrow). This will enable you easier taking off of the shock.

To do so, get under the car while its not jacked up, and just unscrew the nut off completely.

Prvi korak je otpuštanje matice stabilizatora na ramenu (bijela strelica). Da bi to učinili, zavucite se ispod auta, dok nije dignut i kompletno skinite maticu.

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After that, open the bonnet and pull off the plastic cap on the shock pad (white arrow).

Sljedeće otvorite haubu, i skinite poklopac sa nosača amortizera (bijela strelica).



When removed it will look like this.

Nakon što je skinuta, vidjet ćete ovo.



Now take a spanner and a ratchet (6mm allen key) and put them on like on the pics left.

Sada uzmite okasti ključ i račvu sa 6mm imbusom i postavite ih kao na slikama lijevo.

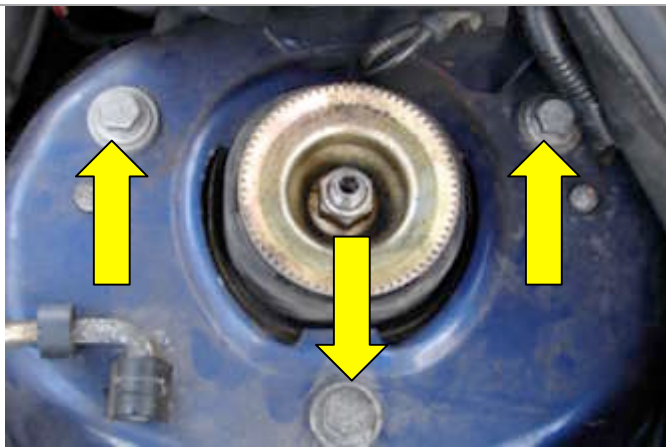


When you have done that, just un-tighten (1/2 - 1 turns) the nut. To un-tighten the nut, hold the ratchet in place and turn the spanner.

DO NOT unscrew more than that or take the nut off.

Kada ste sve namjestili, otpustite maticu za 1/2 -1 krug držeći račvu na mjestu, a okrećući okasti ključ. **NEMOJTE odvijati više od toga, a kamoli skidati maticu do karaja.**

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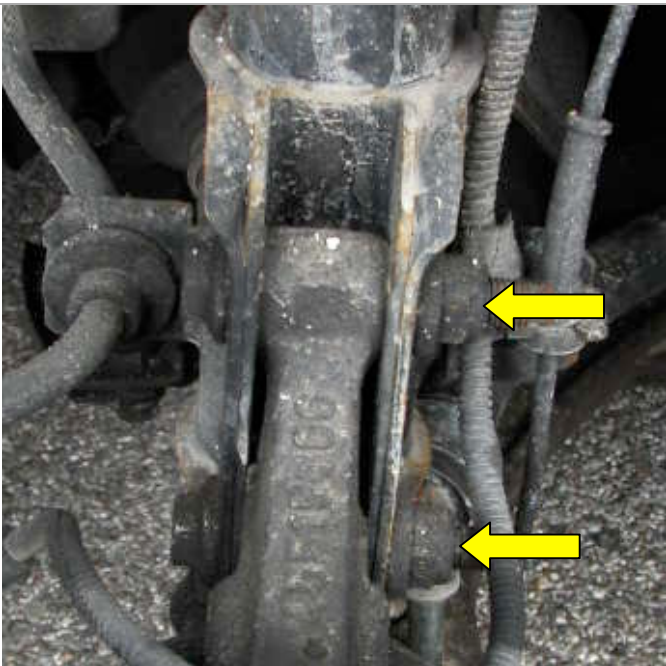
The next step is to unscrew the 3 screws holding the shock to the chassis (3 yellow arrows). Unscrew them, but not completely.

Sljedeći korak je otpustiti vijke koji drže nosač amortizera na šasiji (3 žute strelice). Otpustite ih, ali ih nemojte izvaditi kompletno van.



Jack the car up, take the wheel off and put the car on a stilt.

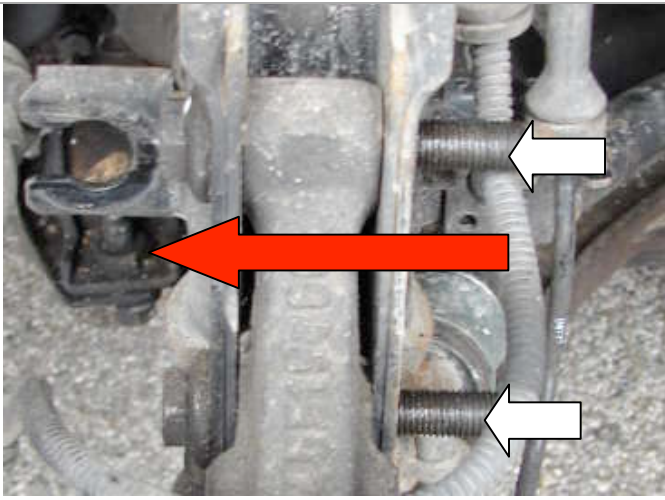
Podignite auto, skinite kotač i postavite auto na tronožac.



Using a spanner and ratchet, unscrew the 2 nuts shown by yellow arrows.

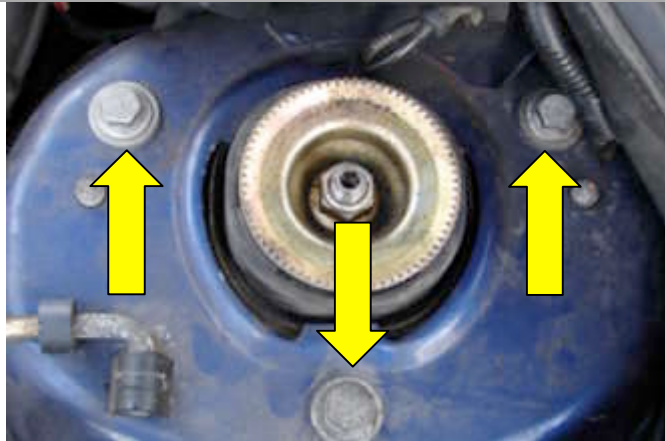
Koristeći okasti ključ i račvu, otpustite matice označene žutim strelicama.

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When the nuts are off, you are left with 2 screws (white arrows) that need to be taken out. To do so, just push them out in the red arrow direction.

Kada su skinute matice, ostaju vam 2 vijka (bijele strelice) koje treba izvaditi. Da bi to učinili, gurnite ih van u smjeru crvenih strelica.



Now unscrew the 3 screws at the top (yellow arrows) while holding the shock with your left hand.

Warning – when you take out the screws, the shock will drop down.

Sada otpustite 3 vijka na muldi držeći lijevom rukom amortizer. **Oprez** – kada izvadite vijke, amortizer će pasti.

Take out the shock assembly out of the wing and we are ready for step 2.

Izvadite sklop amortizera i opruge van iz blatobrana i idemo na korak 2.



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Step 2

Korak 2



Put the shock assembly on the floor and position the spring clamps on the spring.(Pic 1)
Mark the position of the upper part of the assembly using paint or marker. (Pic 2)

Spustite oprugu i amortizer na pod i postavite stezače opruga. (Slika 1)
Označite položaj opruge, prstena i nosača amortizera bojom ili markerom. (Slika 2)



Now start compressing the spring. Do it slow and both sides identical.

Sada počnite stiskati oprugu. Postupak obavljajte polako i obe strane identično.

When the spring is compressed, use a rope or similar to secure the spring.

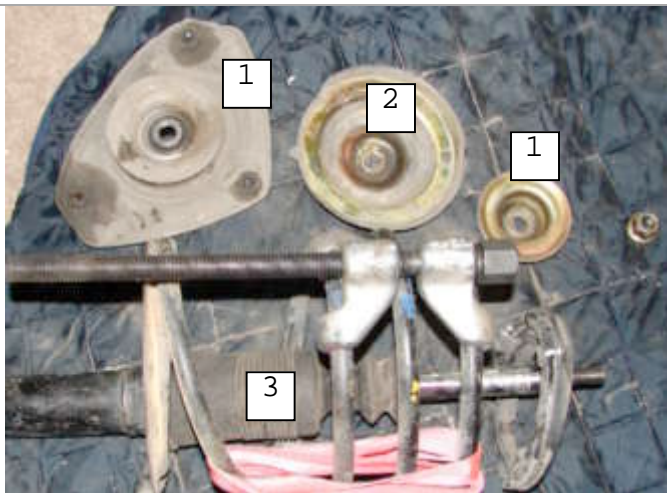
Kada je opruga stisnuta, upotrijebite štrik ili slično da osigurate oprugu.

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Using the same method as in step 1, totally unscrew the nut on the shock.

Koristeći istu metodu kao u koraku 1, skinite maticu sa amortizera.



Now take off the shock plate(1), spring holder(2) and rubber protection(3) off the shock and pull the shock out of the spring.

Sada skinite nosač amortizera(1), kupolu(2) i gumeni graničnik/zaštitu (3), te izvucite amortizer iz opruge.



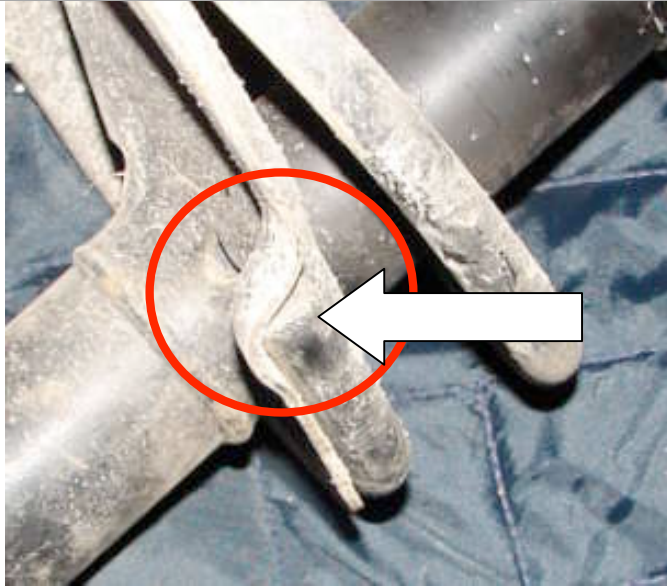
We have now successfully taken the assembly apart. On with the putting the new shock in.

Uspješno smo rastavili sastav. Krećemo sa montažom novog amortizera.

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Step 3

Korak 3



Put the spring on the new shock. Be careful that the spring end goes direct in the end position on the shock (white arrow).

Postavite oprugu na novi amortizer i pazite da kraj opruge točno sjedne u njezin utor na amortizeru (bijela strelica).



Position the upper parts on the shock and line them up with the markings you made.

Postavite gornje dijelove na amortizer i uskladite ih sa oznakama koje ste napravili.



Screw on the nut by hand, till it stops. After that tighten it using the method stated above (spanner and ratchet)

Postavite maticu, vrteći je rukom dok je više ne budete mogli okretati. Zatim zategnite maticu koristeći okasti ključ i račvu kao gore opisano.

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Now take off the rope you secured the spring and start releasing the spring.

Sada skinite štrik kojim ste osigurali oprugu i počnite sa otpuštanjem opruge.

When the spring is extended fully, take off the spring clamps and the change is done. Now just unscrew the ABS cable and brakes indicator cable holder and put them on the new shock. (circled red)

Warning – the marking you made, must align!

Kada je opruga skroz rastegnuta, skinite zatezače i gotova je izmjena. Sada samo skinite nosač ABS kabla i kabla istrošenosti kočnica, te ga preselite na novi amortizer. (zaokruženo crveno)

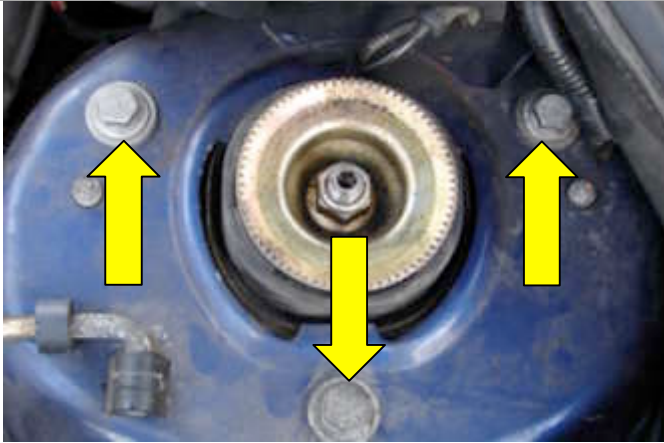
Oprez – oznake koje ste napravili, moraju se podudarati.



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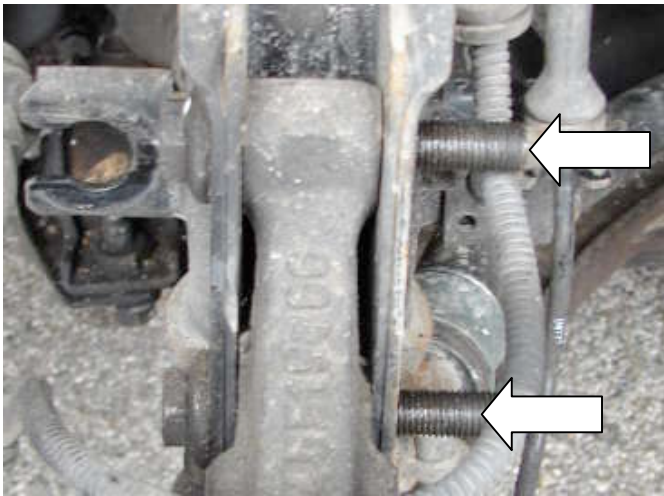
Step 3

Korak 3



Take the assembly and insert it in the wing again. Tighten the 3 upper screws and insert and tighten the 2 lower screws.

Uzmite sastav i umetnite ga u muldu, zategnite 3 vijka na nosaču amortizera i umetnite i zategnite donja 2 vijka.



When that is done, take your jack and put it under the wishbone ball joint.

Kada ste to napravili, podmatnite dizalicu ispod kuglastog zgloba ramena.

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Lift the wishbone up till you get enough thread so you can return the rubber buffer and the nut back on the stabilizer link bar. When you get enough thread, just put on the buffer and tighten the nut by hand.

Pic 1 – when not lifted

Pic 2 – when lifted; enough thread

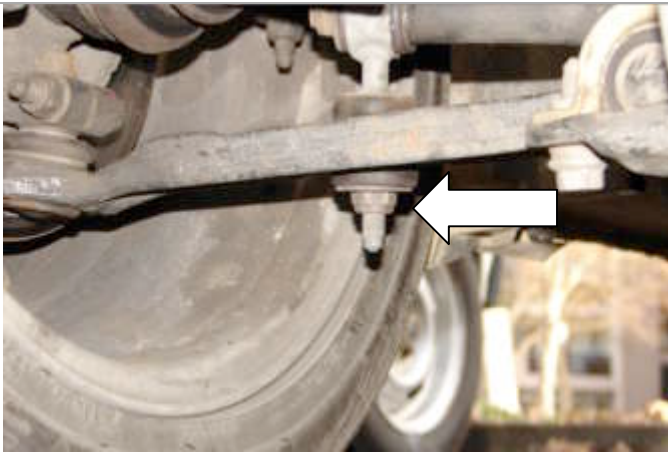
Podižite rame tako dugo dok ne dobijete dovoljno navoja na poveznoj štangici stabilizatora. Kada ga dobijete, postavite gumu i maticu gore, te maticu zategnite rukom.

Slika 1 – kada nije podignuto

Slika 2 – podignuto; dovoljno navoja



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Lower the jack under the wishbone, remove it, put on the wheel and then lower the car.

After that, get under the car and tighten the nut on the stabilizer link bar using a spanner.

Spustite dizalicu, odstranite je, postavite kotač i spustite auto na tlo.

Nakon toga zavucite se ispod auta i stegnite maticu na poveznoj štangici stabilizatora.



That done, once again test if the nut on the shock is tight enough using a spanner and a ratchet and return the plastic cap back on.

Kada ste završili sa gore navedenim, još jednom provjerite jel matica na amortizeru zategnuta kako treba koristeći okasti ključ i račvu, te postavite plastični poklopac.

And you are done with one side – do the same on the other ☺

I gotovi ste sa jednom stranom – isto napravite in a drugoj ☺

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