

SUSPENSION **MAXX** 1

PERFORMANCE COMPONENTS

MODULE

PATENT PENDING

SMX-SM850 / SMX-MDT TOOL INSTRUCTIONS

This kit is to be installed by or under the supervision of professionals.
Proper safety equipment and safe working habits are essential.
For optimum results and easy installation, **SS**Mod-Tool (SMX-MDT) is recommended.

This kit replaces the need for entire rear knuckle replacement
(#18060685 = RIGHT #18060684 = LEFT)

APPLICATIONS INCLUDE

02-06 Buick Rendezvous	01-04 Oldsmobile Silhouette (AWD)
05-06 Buick Terraza	01-04 Pontiac Montana (AWD)
01-04 Chevrolet Venture (AWD)	01-05 Pontiac Aztek (AWD)
05-06 Chevrolet Uplander (AWD)	05-06 Pontiac Montana SV6 (AWD)
	05-06 Saturn Relay (AWD)

Disassembly Procedure:

Note: Apply all steps to both sides of vehicle (modules to be replaced in pairs)

1. Place vehicle on solid level surface set parking brake block rear wheels
2. Jack vehicle under frame and secure with load rated truck jack stands
3. Mark wheel lug location, remove rear wheels
4. Mark wheel lug location, remove rear wheels
5. Support lower control arm during rest of procedure (**FIG 1.5**)
6. **Carefully** loosen parking brake bracket allow inward movement creating cable clearance for upper bolt. (**FIG 1.6**)

(CAUTION: DO NOT over-loosen or remove bolts)

Brake parts may become dislodged inside rotor / drum

FIG 1.5

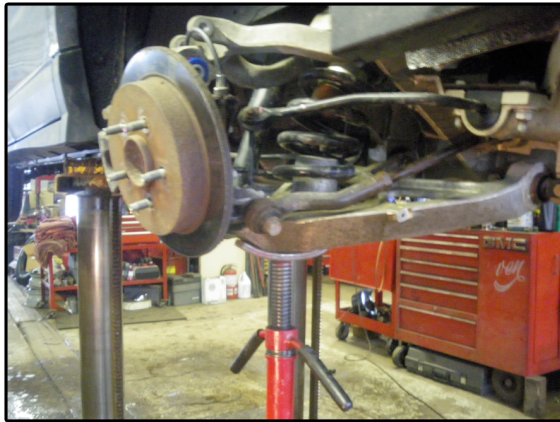
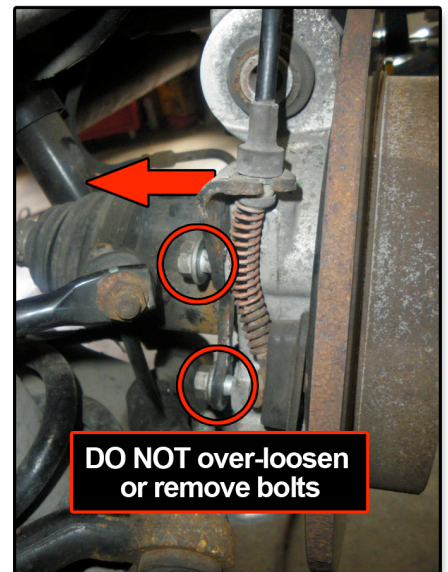


FIG 1.6



Again, thank you for your purchase! Enjoy your SuspensionMAXX Performance Components!

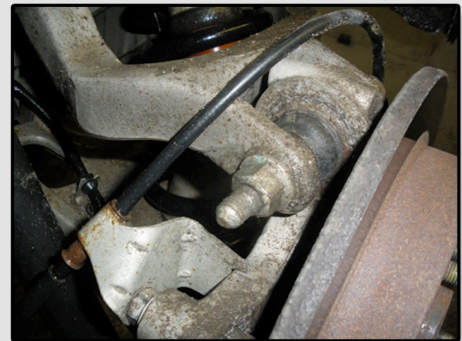
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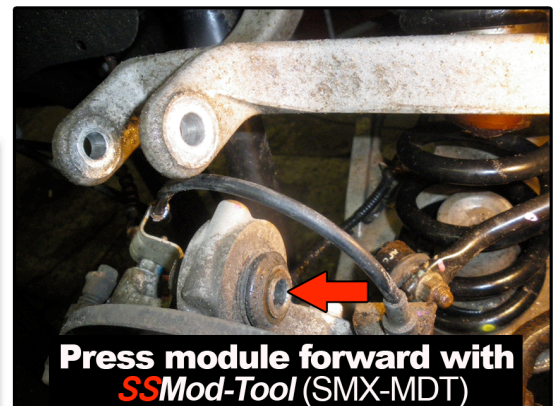
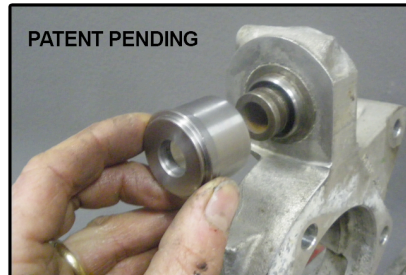
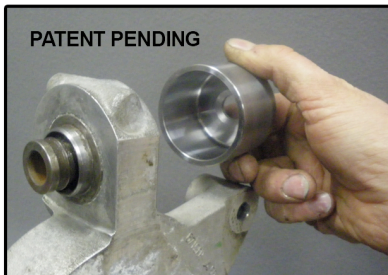
Disassembly Procedure Continued:

*Note: Apply all steps to both sides of vehicle (modules to be replaced in pairs)
Support lower control arm during rest of procedure*

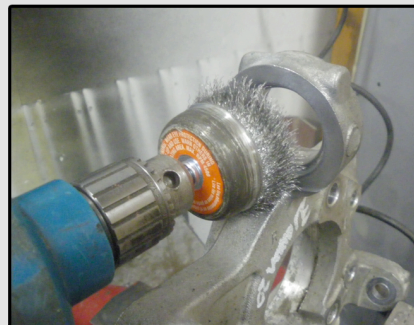
7. Remove upper thru bolt. Be sure to note bolt direction (nut forward)



8. Temporarily place parking cable below control arm
9. Press module forward with **SSMod-Tool** (SMX-MDT) . Use caution not do damage aluminum steering knuckle.



10. Thoroughly clean cylinder of all debris. Inspect for nicks or obstructions. Use care not to oversize the diameter. Also clean / inspect backside for snap ring clearance. (Must be flat)



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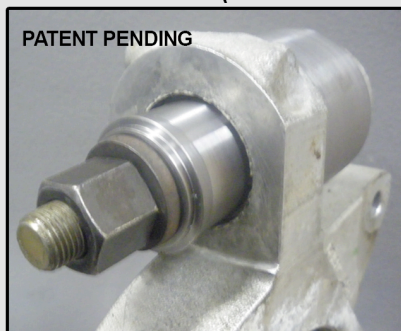


SS MODULE
PATENT PENDING

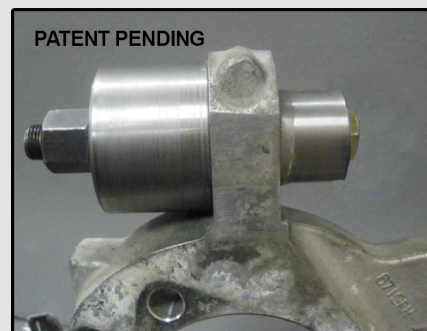
Assembly Procedure

*Note: Apply all steps to both sides of vehicle (modules to be replaced in pairs)
Support lower control arm during rest of procedure*

1. Lubricate bore with anti-seize. Press new **SSMODULE** (SMX-SM850) with **SSMod-Tool** (SMX-MDT) squarely into knuckle.

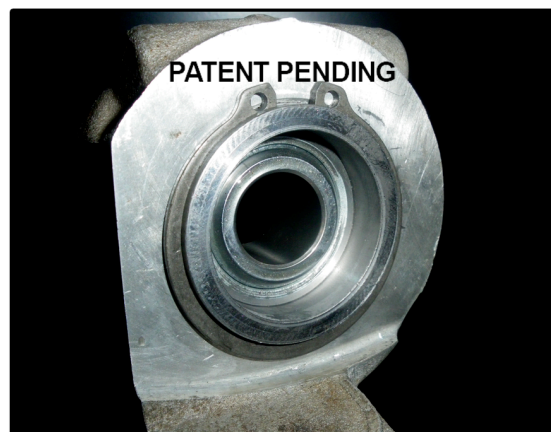


Removal



Assembly

2. Install backup snap ring



3. Clean control arm mount location using care not to remove base material.

CAUTION: Inspect A-Arm mounting location for grooving / wear. If signs of contact from knuckle, REPLACEMENT A-ARM REQUIRED!



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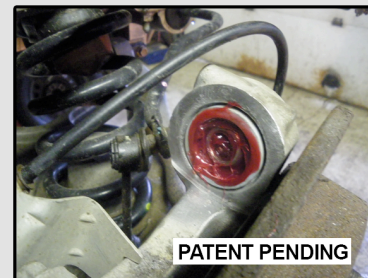


SSMODULE
PATENT PENDING

Assembly Procedure Continued

*Note: Apply all steps to both sides of vehicle (modules to be replaced in pairs)
Support lower control arm during rest of procedure*

4. Lubricate **SSMODULE** liberally with automotive based chassis lubricant (Both front and back of module)



5. Install module extension tubes / seals, seating squarely with swivel ball

Note: Place brake cable above control arm



6. Inspect thru bolt for rust damage, replace if needed. Re-install thru bolt as removed (nut forward).

Torque to manufacture's spec. (63 ft. lbs.)



7. Tighten parking brake cable bracket to manufacturer's spec.

8. Install wheel (torque to spec.)
Perform wheel alignment



Enjoy your new ride equipped with the **SSMODULE!**
PATENT PENDING

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