Component Procedures: Control Arm

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Component Procedures: Control Arm

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Front Suspension > Bushings ?		12 - Part Of Lower Con?	0.00	
Front Suspension > Lower Con?	545513X000	12 - A Bushing	42.60	
Front Suspension > Lower Con?	54584F2AA0	12 - With Sport	52.66	
Front Suspension > Lower Con?	54584F2000	12 - Without Sport	52.66	
Front Suspension > Lower Con?	54584F2000	12 - G Bushing	52.66	
Front Suspension > Lower Con?		12 - Part Of Lower Cnt?	0.00	
Front Suspension > Lower Con?	54500F2AA0	11 - Left	450.94	Includes Ball Joint & Bush.
Front Suspension > Lower Con?	54501F2AA0	11 - Right	450.94	Includes Ball Joint & Bush.
Front Suspension > Lower Con?	54500F2000	11 - Left	450.94	Includes Ball Joint & Bush.
Front Suspension > Lower Con?	54501F2000	11 - Right	450.94	Includes Ball Joint & Bush.
Front Suspension > Lower Con?	54500F3000	11 - Left	463.84	Includes Ball Joint & Bush.
Front Suspension > Lower Con?	54501F3000	11 - Right	420.27	Includes Ball Joint & Bush.
Multi Link > Rear Suspension?	55210F2BA0	14 - Left	447.05	
Multi Link > Rear Suspension?	55220F2BA0	14 - Right	447.05	
Multi Link > Rear Suspension?	55230F2AA0	15 - Bushings	51.27	
Multi Link > Rear Suspension?	55100F2BA0	12 - Left	215.45	
Multi Link > Rear Suspension?	55101F2BA0	12 - Right	215.45	
Multi Link > Rear Suspension?	55130F2AA0	13 - Bushings	58.94	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Front Suspension > Lower Control Arm > Lower ?	B	1.1	0.0
Remove & Replace	Front Suspension > Lower Control Arm > Lower ?		0.3	
Remove & Replace	Front Suspension > Lower Control Arm > Lower ?		0.2	
Remove & Replace	Front Suspension > Lower Control Arm > Lower ?		0.2	
Remove & Replace	Front Suspension > Lower Control Arm > Lower ?		0.1	
Remove & Replace	Front Suspension > Lower Control Arm > Lower ?	B	1.9	0.0
Remove & Replace	Front Suspension > Lower Control Arm > Lower ?		0.3	
Remove & Replace	Front Suspension > Lower Control Arm > Lower ?		0.2	
Remove & Replace	Front Suspension > Lower Control Arm > Lower ?		0.2	
Remove & Replace	Front Suspension > Lower Control Arm > Lower ?		0.1	
Remove & Replace	Multi Link > Rear Suspension > Lower Control ?	B	1.3	0.0
Remove & Replace	Multi Link > Rear Suspension > Lower Control ?		0.2	
Remove & Replace	Multi Link > Rear Suspension > Lower Control ?		0.1	
Remove & Replace	Multi Link > Rear Suspension > Lower Control ?	B	2.6	0.0
Remove & Replace	Multi Link > Rear Suspension > Lower Control ?		0.2	
Remove & Replace	Multi Link > Rear Suspension > Lower Control ?		0.1	
Remove & Replace	Multi Link > Rear Suspension > Upper Control ?	B	0.7	0.0
Remove & Replace	Multi Link > Rear Suspension > Upper Control ?		0.2	
Remove & Replace	Multi Link > Rear Suspension > Upper Control ?		0.1	
Remove & Replace	Multi Link > Rear Suspension > Upper Control ?	B	1.2	0.0
Remove & Replace	Multi Link > Rear Suspension > Upper Control ?		0.2	
Remove & Replace	Multi Link > Rear Suspension > Upper Control ?		0.1	

Front Lower Arm - Repair Procedures (Article 44279)

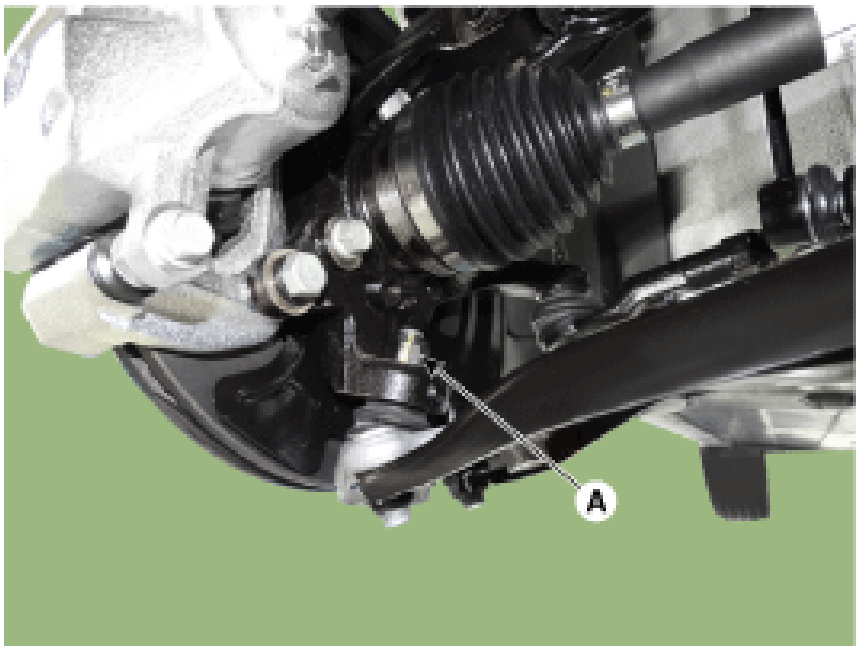
- Removal

- Loosen the wheel nut s slightly. Raise the vehicle, and make sure it is securely supported.
- Remove the front wheel and tire (A) from front hub . Tightening torque : 107.9 - 127.5 N.m (11.0 - 13.0 kgf.m, 79.6 - 94.0 lb-ft) Be careful not to damage the hub bolt s when removing the front wheel and tire (A).

Be careful not to damage the hub bolt s when removing the front wheel and tire (A).

NOTICE

- Be careful not to damage the hub bolt s when removing the front wheel and tire (A).
- Loosen the lower arm nut(A) and then remove the lower arm ball joint by using SST(09568-1S100). Tightening torque : 58.8 - 70.6 N.m (6.0 - 7.2 kgf.m, 43.4 - 52.1 lb-ft) Do not reuse the lower arm lock nut(A).



Do not reuse the lower arm lock nut(A).

- Remove the front lower (A) arm after loosening the bolts & nuts. Tightening torque Front : 117.7 - 137.3 N.m (12.0 - 14.0 kgf.m, 86.8 - 101.3 lb-ft) Rear : 156.9 - 176.5 N.m (16.0 - 18.0 kgf.m, 115.7 - 130.2 lb-ft)

- Install in the reverse order of removal.
- Check the wheel Alignment. (Refer to Tires/Wheels - "Alignment")

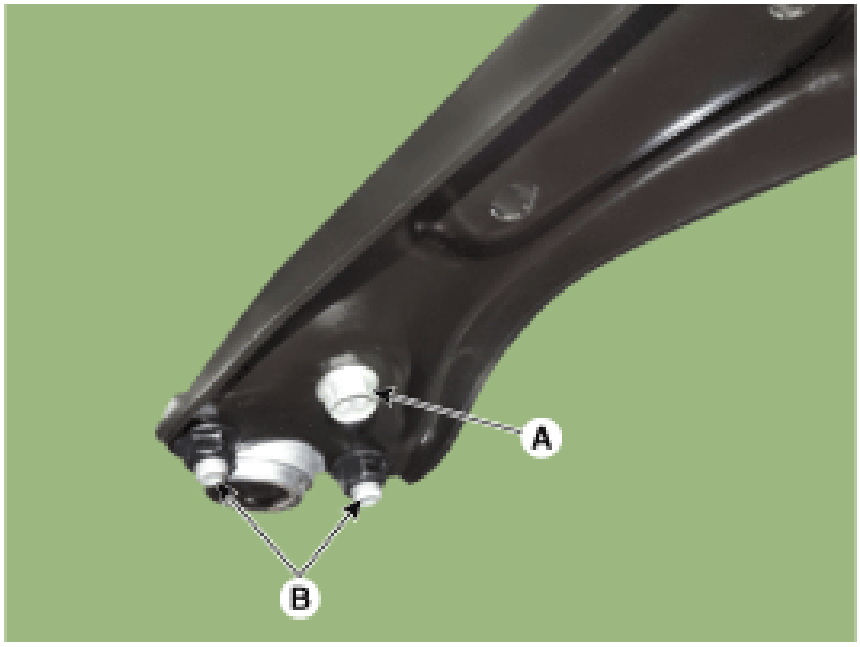
- Replacement

Lower arm boall joint assemlby replcement

- Loosen the wheel nuts slightly. Raise the vehicle, and make sure it is securely supported.
- Remove the front wheel and tire (A) from front hub . Tightening torque : 107.9 - 127.5 N.m (11.0 - 13.0 kgf.m, 79.6 - 94.0 lb-ft) Be careful not to damage the hub bolts when removing the front wheel and tire (A).

Be careful not to damage the hub bolts when removing the front wheel and tire (A).

- Be careful not to damage the hub bolts when removing the front wheel and tire (A).
- Loosen the lower arm nut (A) and then remove the lower arm ball joint by using SST(09568-1S100). Tightening torque : 58.8 - 70.6 N.m (6.0 - 7.2 kgf.m, 43.4 - 52.1 lb-ft)
- Remove the ball joint after loosening the nut (B) & bolt (A).



- Replace a ball joint assembly with a new one.
- Install the ball joint assembly and then tighten the nut (B) & bolt (A). Tightening torque : 98.1 - 117.7 N.m (10.0 - 12.0 kgf.m, 72.3 - 86.6 lb-ft)
- Install the lower arm and tire. Install in the reverse order of removal.

Install in the reverse order of removal.

Information

- Inspection
- Check the bushing for wear and deterioration.
- Check the lower arm for deformation.
- Check the all bolts and nuts.

Front Lower Arm G Bushing - Repair Procedures (Article 44280)

- Replacement

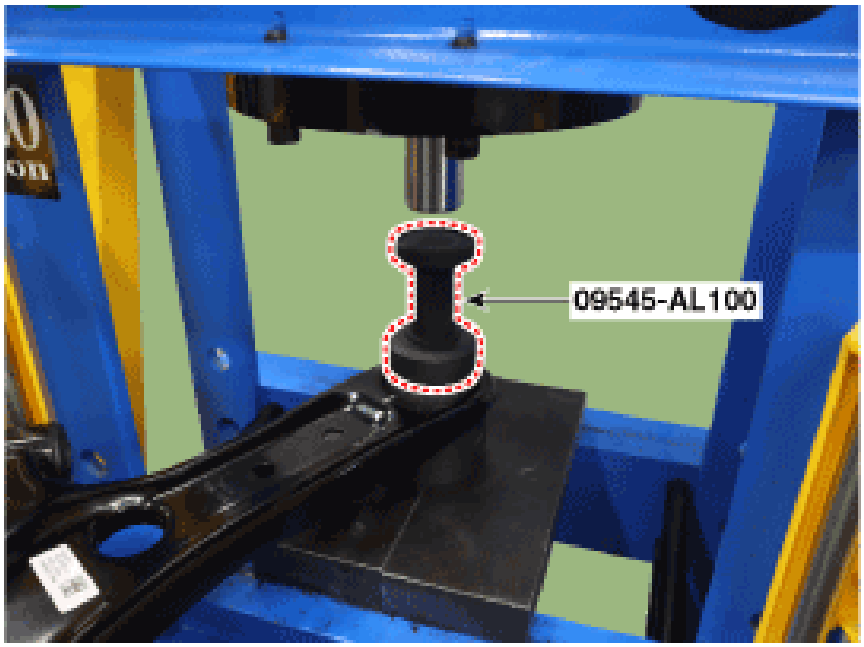
Steel lower arm

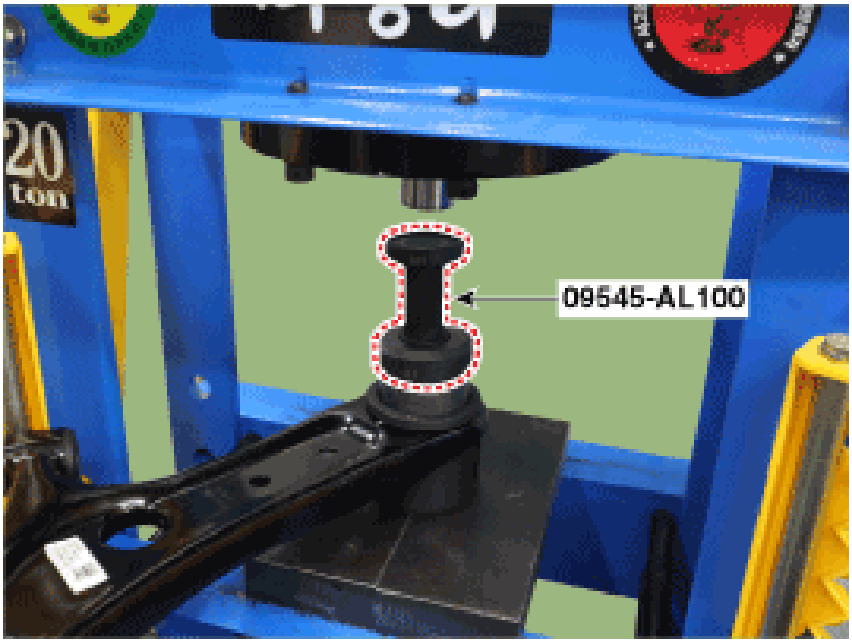
Replace the lower arm G bushing if it only has a crack, noise from bushing without cracks can be improved by applying silicone oil.

Information

- Replace the lower arm G bushing if it only has a crack, noise from bushing without cracks can be improved by applying silicone oil.
- Replace the lower arm G bushing by using the SST (09545-AL100). Refer to the enclosed manual for detailed

usage instructions of the lower arm G bushing SST(09545-AL100). Wear personal protective equipment during press operation. When the press is in operation, ensure that no part of the body comes into contact within the operating range. Due to the risk of injury from falling tools and parts, before operating the press, ensure that all tools and components are securely positioned in their proper places. Lubricate the bushings and mounting surface with grease during the operation. Measure the void spacing (A), (B) to ensure that the bushing can be properly installed in the correct direction. (A) : Ball joint side (B) : Opposite side - Refer to the enclosed manual for void spacing specifications for each vehicle model. - There may be no difference in void spacing for used bushing due to wear. Be careful not to install the bushing at the incorrect angle. Installation angle (A) : Angle formed counterclockwise from A bushing (B) and G bushing (C) reference - Refer to the enclosed manual for installation angle specifications for each vehicle model. Clean the bushing mounting surface (A) from any foreign substances using a clean cloth or similar material when installing. Ensure that the marking angle (A) of the bushing and the lower arm does not deviate from the reference value. Reference Value : ± 3° If excessive pressure is applied after installation is complete, it may result in damage to the components and tools.





Refer to the enclosed manual for detailed usage instructions of the lower arm G bushing SST(09545-AL100). - Refer to the enclosed manual for detailed usage instructions of the lower arm G bushing SST(09545-AL100). Wear personal protective equipment during press operation. When the press is in operation, ensure that no part of the body comes into contact within the operating range. Due to the risk of injury from falling tools and

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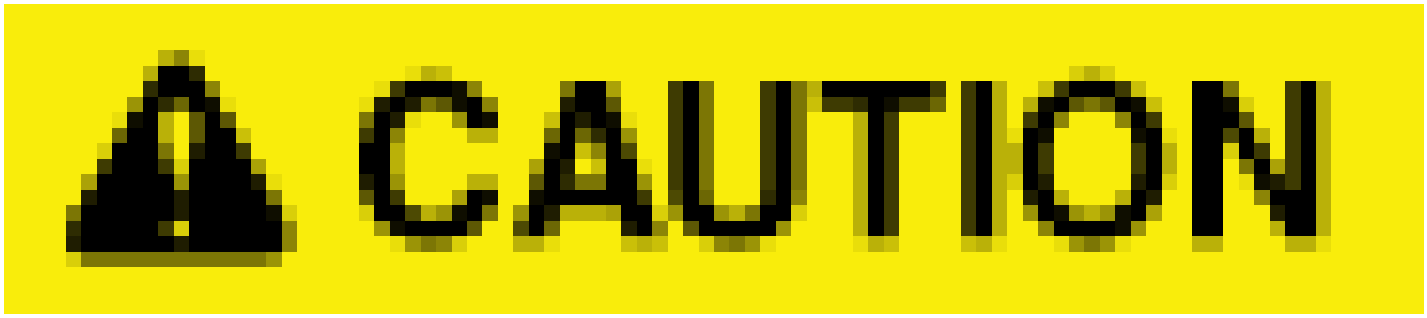
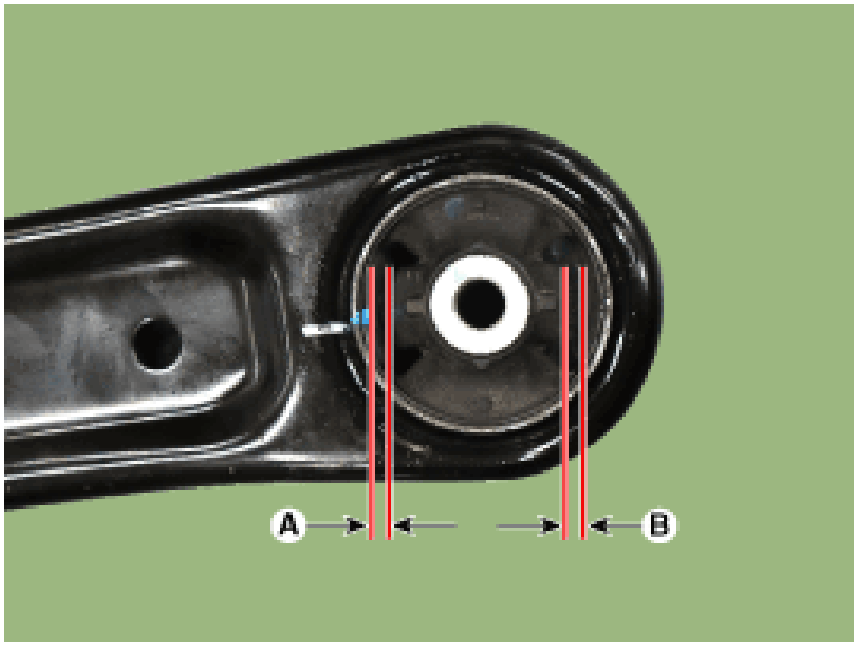


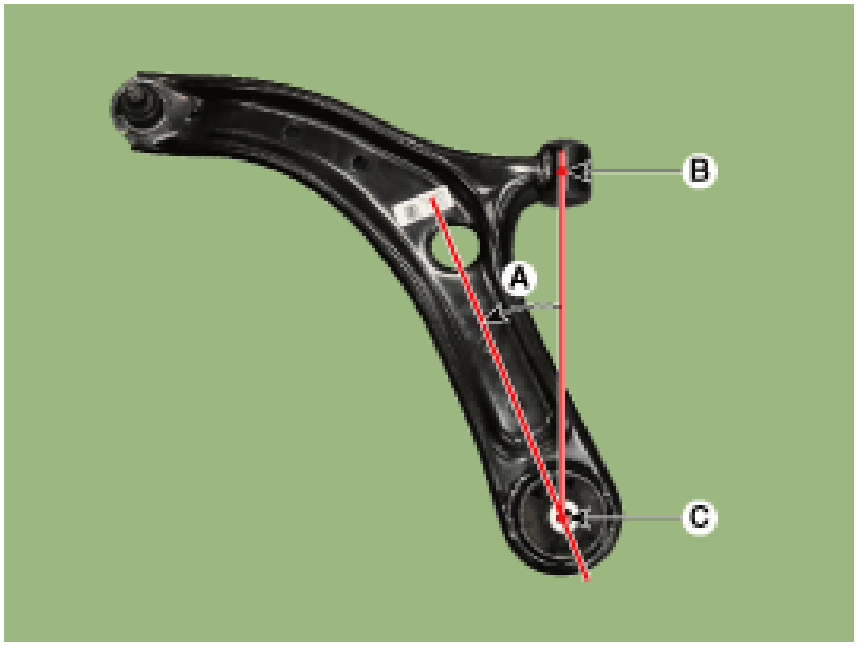
- Wear personal protective equipment during press operation.
- When the press is in operation, ensure that no part of the body comes into contact within the operating range.
- Due to the risk of injury from falling tools and parts, before operating the press, ensure that all tools and components are securely positioned in their proper places.

Lubricate the bushings and mounting surface with grease during the operation. Measure the void spacing (A), (B) to ensure that the bushing can be properly installed in the correct direction. (A) : Ball joint side (B) : Opposite side - Refer to the enclosed manual for void spacing specifications for each vehicle model. - There may be no difference in void spacing for used bushing due to wear. Be careful not to install the bushing at the incorrect angle. Installation angle (A) : Angle formed counterclockwise from A bushing (B) and G bushing (C) reference - Refer to the enclosed manual for installation angle specifications for each vehicle model. Clean the bushing mounting surface (A) from any foreign substances using a clean cloth or similar material when installing. Ensure that the marking angle (A) of the bushing and the lower arm does not deviate from the reference value. Reference Value : ± 3° If excessive pressure is applied after installation is complete, it may result in damage to the components and tools.

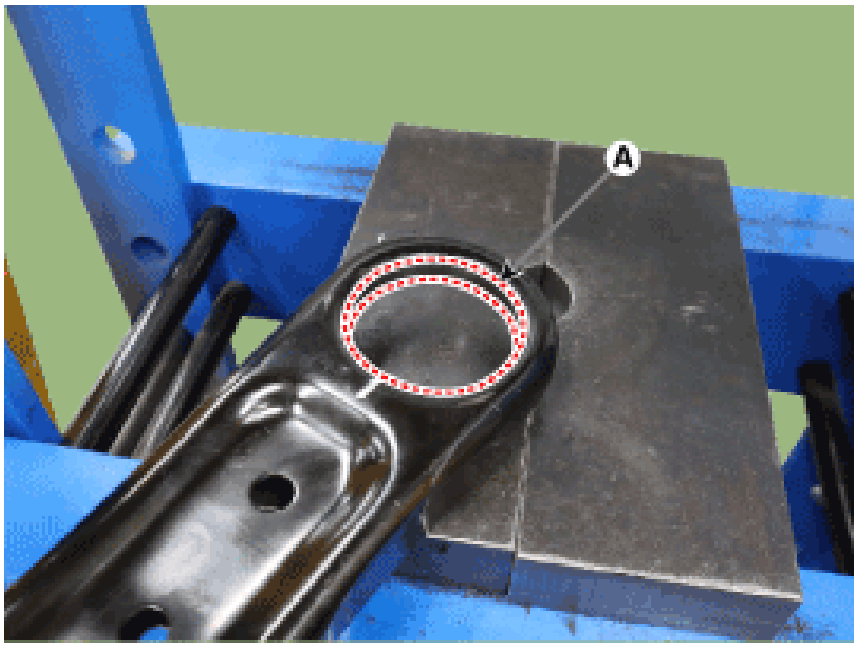
- Lubricate the bushings and mounting surface with grease during the operation.
- Measure the void spacing (A), (B) to ensure that the bushing can be properly installed in the correct direction. (A) : Ball joint side (B) : Opposite side - Refer to the enclosed manual for void spacing specifications for each vehicle model. - There may be no difference in void spacing for used bushing due to wear.



- Be careful not to install the bushing at the incorrect angle. Installation angle (A) : Angle formed counterclockwise from A bushing (B) and G bushing (C) reference - Refer to the enclosed manual for installation angle specifications for each vehicle model.



- Clean the bushing mounting surface (A) from any foreign substances using a clean cloth or similar material when installing.



- Ensure that the marking angle (A) of the bushing and the lower arm does not deviate from the reference value. Reference Value : ± 3°

- If excessive pressure is applied after installation is complete, it may result in damage to the components and tools.