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Halfshaft — RH

Special Tool(s)

ST2646-A	Adapter for 204-592 204-592/1
6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Installer, Halfshaft 204-161 (T97P-1175-A)
ST2272-A	Remover, Front Wheel Hub 205-D070 (D93P-1175-B) or equivalent
ST2945-A	Separator, Ball Joint 204-592

Material

Item	Specification
MERCON® V Automatic	MERCON®
Transmission Fluid	V
XT-5-QM (or XT-5-QMC) (US);	
CXT-5-LM12 (Canada)	



Item	Part Number	Description
1	3B477	Wheel hub nut
2	W706854	Ball joint nut
3	3079	Lower arm
4	W520102	Intermediate shaft bearing strap nut (2 required)
5	3N324	Intermediate shaft bearing strap
6	3B436	Halfshaft assembly

Removal

- 1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to <u>Section</u> <u>100-02</u>.
- 2. Remove the wheel and tire. For additional information, refer to Section 204-04 .
- 3. Remove and discard the wheel hub nut.
- 4. Remove and discard the lower ball joint nut.
- 5. *NOTICE:* Use care when releasing the lower arm and wheel knuckle into the resting position or damage to the ball joint seal may occur.

Using the Ball Joint Separator and Adapter, separate the lower arm from the ball joint stud.



6. *NOTICE:* The inner joint must not be bent more than 18 degrees. The outer joint must not be bent more than 45 degrees. Damage to the halfshaft will occur.

Using the Front Wheel Hub Remover, press out the halfshaft from the wheel hub and detach the RH halfshaft from the wheel hub.

• Support the halfshaft assembly.



7. Remove and discard the intermediate shaft bearing strap and the 2 nuts.

8. NOTICE: Do not damage the transaxle seal when removing the RH halfshaft assembly.

Remove the RH halfshaft assembly.

Installation

- 1. Install the RH halfshaft assembly into the transaxle.
- 2. Install a new intermediate shaft bearing strap and 2 new nuts.Tighten to 25 Nm (18 lb-ft).
- 3. Using the Halfshaft Installer, install the LH halfshaft into the wheel hub.



- 4. Insert the ball joint stud into the lower arm and install a new nut.
 - Tighten to 150 Nm (111 lb-ft).
- 5. *NOTICE:* Install and tighten the new wheel hub nut to specification. Always install a new wheel hub nut after loosening or when not tightened to specification or damage to the components may occur.

NOTE: Apply the brake to keep the halfshaft from rotating.

Install a new wheel hub nut.

- Tighten to 280 Nm (207 lb-ft).
- 6. Install the wheel and tire. For additional information, refer to Section 204-04 .
- 7. Top off the transmission fluid level.

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Intermediate Shaft

Special Tool(s)

and a	Installer, Constant Velocity Joint Boot
	Clamp
ST1301-A	205-343 (T95P-3514-A)

Removal

- 1. Remove the RH halfshaft and intermediate shaft assembly. For additional information, refer to <u>Halfshaft RH</u> in this section.
- 2. Position the intermediate shaft in a soft-jawed vise.

3. NOTICE: Use care not to damage the boot or component damage may occur.

Cut, remove and discard the inner CV boot clamp and slide back the boot.

• Separate the RH halfshaft from the intermediate shaft.

Installation

- 1. Apply grease (130 g [4.58 oz] provided with the boot kit) in the CV joint housing and boot.
- 2. Position the tripod in the housing.
 - 1. Install the tripod into the bottom of the CV joint housing.
 - 2. Position the new boot clamp on the boot.



3. NOTICE: Use care not to damage the boot or component damage may occur.

Install the halfshaft.

- 1. Insert a small screwdriver under the boot seat to allow the air to escape.
- 2. Slide the tripod joint in as far as possible, then pull it out 20 mm (0.787 in).
- Remove the screwdriver.



4. Using the Constant Velocity Joint Boot Clamp Installer, install the boot clamp.



5. Install the RH halfshaft and intermediate shaft assembly. For additional information, refer to <u>Halfshaft</u> <u>— RH</u> in this section.

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Intermediate Shaft Bearing

Special Tool(s)



Removal

- 1. Remove the intermediate shaft. For additional information, refer to Intermediate Shaft in this section.
- 2. Using the Bearing Puller, press the intermediate shaft bearing off the intermediate shaft.



3. **NOTE:** Rotate the Bearing Puller so the flat side is facing upward. Make sure the inner bearing race is supported while pressing the bearing on.

Using the Bearing Puller, press the new intermediate shaft bearing onto the intermediate shaft.



4. Install the intermediate shaft. For additional information, refer to Intermediate Shaft in this section.

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Inner Constant Velocity (CV) Joint Boot

Special Tool(s)

B	Installer, Constant Velocity Joint Boot
	Clamp
ST1301-A	205-343 (T95P-3514-A)



2	—	CV boot (part of 3A331 boot kit)
3	—	Large CV boot clamp (part of 3A331 boot kit)
4	—	Tripod (part of 3B436 joint kit)
5	3B498	Tripod circlip
6	_	Inner CV joint housing (part of 3B436 joint kit)
7	W700859	Halfshaft retaining clip

Removal

- 1. Remove the halfshaft. For additional information, refer to <u>Halfshaft LH</u> or <u>Halfshaft RH</u> in this section.
- 2. Secure the halfshaft in a soft-jawed vise.
 - Cut, remove and discard the inner CV joint boot clamps.
 - Remove the inner CV joint housing.
- 3. Remove and discard the tripod circlip.
- 4. Using a suitable 3 jaw puller, remove the tripod.
 - Remove and discard the CV joint boot.



Installation

1. NOTICE: Support the halfshaft. The inner joint must not be bent more than 18 degrees. The outer joint must not be bent more than 45 degrees or damage to the joint may occur.

Install a new CV joint boot.

2. Using the Constant Velocity Joint Boot Clamp Installer, install the new CV joint boot inner clamp.



3. *NOTICE:* Use care not to damage the Constant Velocity (CV) joint bearings or component damage may occur.

Using a suitable installer, install the tripod.



- 4. Install the new tripod circlip.
- 5. Apply grease (130 g [4.58 oz] provided with the boot kit) into the CV joint housing and boot.
- 6. Position the tripod in the housing in the following sequence.
 - 1. Install the tripod into the bottom of the CV joint housing.
 - 2. Position the outer boot clamp on the boot.
- 7. NOTICE: Use care not to damage the boot or component damage may occur.

Install the front halfshaft.

- 1. Insert a small screwdriver under the boot seat to allow the air to escape.
- 2. Slide the tripod joint in as far as possible, then pull it out 20 mm (0.787 in).
- Remove the screwdriver.



8. Using the Constant Velocity Joint Boot Clamp Installer, install the new outer boot clamp.



9. Install the halfshaft. For additional information, refer to <u>Halfshaft — LH</u> or <u>Halfshaft — RH</u> in this section.

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Outer Constant Velocity (CV) Joint Boot

Special Tool(s)

and the second s	Installer, Constant Velocity Joint Boot
J.	Clamp
ST1301-A	205-343 (T95P-3514-A)



Item	Part Number	Description
1	3B436 RH/ 3A329 LH	Outer CV joint and shaft assembly
2	—	Large CV boot clamp (part of 3B331 boot kit)
3	—	CV boot (part of 3B331 boot kit)
4	—	Small CV boot clamp (part of 3B331 boot kit)

Removal

1. Remove the inner CV boot. For additional information, refer to <u>Inner Constant Velocity (CV) Joint</u> <u>Boot</u> in this section.

2. NOTICE: Use a vise with protective jaw covers or damage to the halfshaft may occur.

Remove the outer CV joint boot.

- Cut, remove and discard the boot clamps.
- Pull the boot inward over the halfshaft.

Installation

1. Apply grease (125 g [4.40 oz] provided with the boot kit) into the CV joint and boot.

2. NOTICE: Use care not to damage the boot or component damage may occur.

Install the outer CV joint boot.

- Slide the outer boot outward over the CV joint.
- Press the boot into the annular groove on the CV joint.
- Slide a small screwdriver under the boot seat to allow the air to escape.
- Locate the boot in position and remove the screwdriver.

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3. Using the Constant Velocity Joint Boot Clamp Installer, install the new boot clamps.



4. Install the inner CV boot. For additional information, refer to <u>Inner Constant Velocity (CV) Joint</u> <u>Boot</u> in this section.

SECTION 206-00: Brake System — General Information
SPECIFICATIONS

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Material

Item	Specification	Fill Capacity
Super DOT 4 Motor Vehicle Brake Fluid YS4Z-19542-AA	ESD-M6C57-A or WSS-M6C65-A2	800 ml (1.69 pt)
Metal Brake Parts Cleaner PM-4-A or PM-4-B (US); CPM-4 (Canada)		
Silicone Brake Caliper Grease and Dielectric Compound XG-3-A	ESE-M1C171-A	

General Specifications

Item	Specification		
Brake Disc			
Front brake disc minimum thickness	22 mm (0.866 in)		
Brake Drum			
Maximum brake drum diameter	230.2 mm (9.062 in)		
Brake Pads and Shoes			
Maximum brake shoe taper wear (in any direction)	3.0 mm (0.118 in)		
Minimum brake shoe thickness 1 mm (0			
Minimum brake pad thickness	2.0 mm (0.078 in)		

Torque Specifications

Description		lb-ft	lb-in
Brake caliper bleeder screw	8		71
Master cylinder brake tube fittings	23	17	
Wheel cylinder bleeder screw	8		71