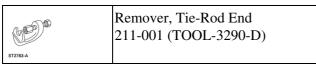
SECTION 211-03: Steering Linkage REMOVAL AND INSTALLATION

2005 Focus Workshop Manual Procedure revision date: 02/25/2004

Tie Rod End 🛃 Printable View (103 KB)

Special Tool(s)



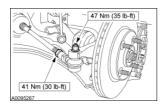
Removal and Installation

1. Remove the wheel and tire assembly. For additional information, refer to Section 204-04.

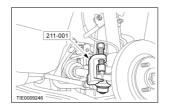
2. A WARNING: Install a new tie-rod end retaining nut. Failure to follow these instructions may result in personal injury.

Loosen the tie-rod end jam nut and remove the retaining nut.

• Discard the retaining nut.

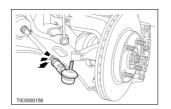


3. Using the special tool, disconnect the tie-rod end from the wheel knuckle.



4. NOTE: Record the number of turns used to remove the tie-rod end.

Remove the tie-rod end.



- 5. To install, reverse the removal procedure.
- 6. Check the front toe adjustment. For additional information, refer to Section 204-00.

SECTION 211-03: Steering Linkage REMOVAL AND INSTALLATION

Tie Rod 🔑 Printable View (110 KB)

Special Tool(s)

J.	Installer, Constant Velocity Joint Boot
	Clamp
	205-343 (T95P-3514-A)

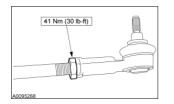
Material

Item	Specification	
Stud and Bearing Mount TA-27	WSK-M2G349-A1	
Premium Long Life Grease XG-1-C	ESA-M1C75-B	

Removal and Installation

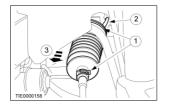
- 1. Remove the steering gear. For additional information, refer to $\underline{Section \ 211-02}$.
- 2. **NOTE:** Record the number of turns required to remove the tie-rod end.

Remove the tie-rod end and jam nut.



3. Remove the boot.

- 1. Remove and discard the clamps.
- 2. Disconnect the breather pipe (if equipped).
- 3. Remove the boot.



4. Rotate the pinion to expose the rack gear teeth.



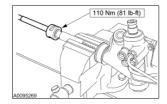
5. A CAUTION: To counter the extensive torque forces required to remove the tie-rod, clamp the rack gear teeth in a suitable vise. Do not clamp the steering gear body.

▲ CAUTION: Make sure vise jaw protectors are used.

NOTE: Remove all traces of thread locking compound from the steering rack threads.

Secure the steering gear in a vise. Using a suitable removal tool, remove the tie- rod.

• Apply thread locking compound to the inner threads of the tie-rod.



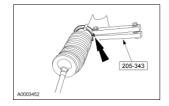
6. **A CAUTION: Make sure the tie-rod is clean before installing the boot.**

NOTE: To prevent the steering gear boot from twisting during toe adjustment, apply long-life grease to the groove in the tie-rod and uniformly to the inner diameter of the steering gear boot.

NOTE: Install new boot clamps.

To install, reverse the removal procedure.

7. Using the special tool, tighten the steering gear inner boot clamp.



8. Check the front toe adjustment. For additional information, refer to Section 204-00.

SECTION 211-03: Steering Linkage REMOVAL AND INSTALLATION 2005 Focus Workshop Manual Procedure revision date: 02/25/2004

Steering Gear Boot Area Printable View (53 KB)

Special Tool(s)

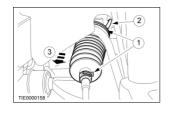
A A A A A A A A A A A A A A A A A A A	Installer, Constant Velocity Joint Boot
9	Clamp
ST1301-A	205-343 (T95P-3514-A)

Material

Item	Specification		
Premium Long Life Grease XG-1-C	ESA-M1C75-B		

Removal and Installation

- 1. Remove the tie-rod end and jam nut. For additional information, refer to Tie Rod End in this section.
- 2. Remove the boot.
 - 1. Remove and discard the clamps.
 - 2. Disconnect the breather pipe (if equipped).
 - 3. Remove the boot.



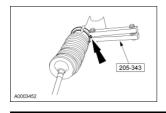
3. A CAUTION: Make sure the tie-rod is clean before installing the boot.

NOTE: Install new boot clamps.

NOTE: To prevent the steering gear boot from twisting during toe adjustment, apply long-life grease to the groove in the tie-rod and uniformly to the inner diameter of the steering gear boot.

To install, reverse the removal procedure.

4. Using the special tool, tighten the steering gear boot clamp.



SECTION 211-04: Steering Column SPECIFICATIONS

2005 Focus Workshop Manual Procedure revision date: 02/25/2004

Printable View (7 KB)

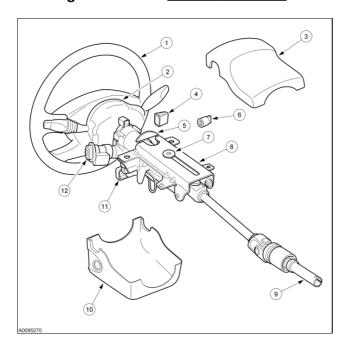
Torque Specifications

Description		lb-ft	lb-in
Driver air bag module screws			44
Hood release cable nut		15	
Instrument panel lower panel bolts			80
Steering column mounting bolt		13	
Steering column mounting nuts		12	
Steering column shaft coupling bolt		21	
Steering column sliding bolt			44
Steering wheel bolt		37	

SECTION 211-04: Steering Column DESCRIPTION AND OPERATION

2005 Focus Workshop Manual Procedure revision date: 02/25/2004

Steering Column Printable View (95 KB)



Item	Part Number	Description
1		Steering wheel
2		Clockspring
3		Steering column upper shroud
4		Audio control switch (if equipped)
5		Shield
6		Ignition switch
7		Steering column sliding bolt
8		Steering column
9		Steering column shaft coupling
10		Steering column lower shroud
11		Four-way column adjust lever (if equipped)
12		Ignition switch lock cylinder

SECTION 211-04: Steering Column DIAGNOSIS AND TESTING

2005 Focus Workshop Manual Procedure revision date: 02/25/2004

Steering Column A Printable View (7 KB)

Refer to Section 211-00.