

2015.0 F-TYPE (X152), 204-01  
**FRONT SUSPENSION**

**SPECIFICATIONS**

**Torque Specifications**

**ⓘ CAUTION:**

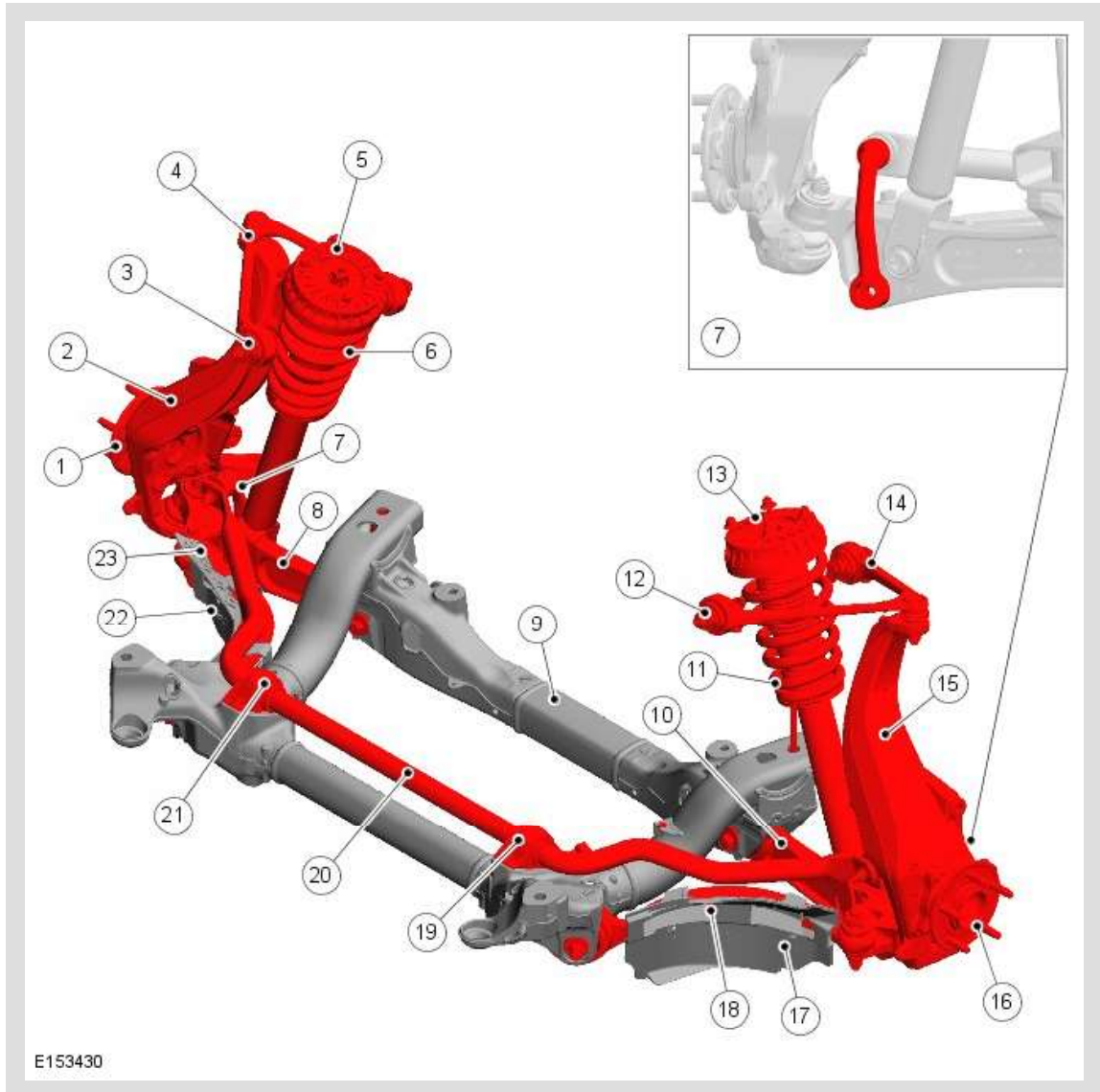
Nuts and bolts must be tightened with the weight of the vehicle on the suspension.

DESCRIPTION	NM	LB-FT
Front lower arm to rear lower arm - nut *:		
Stage 1	60	44
Stage 2	135 degrees	135 degrees
Front lower arm to subframe - nut *	183	135
Rear lower arm to subframe - nut *	183	135
Rear lower arm to wheel knuckle ball joint - nut *	92	68
Shock absorber to spring - nut *		
Active shock absorber	27	20
Passive shock absorber	50	37
RWD. Shock absorber and spring assembly to lower arm - bolt	175	129
AWD. Shock absorber and spring assembly to yoke - bolt *	60	44
AWD. Shock absorber yoke to lower arm - bolt *		
Stage 1	60	44

Stage 2	90 degrees	90 degrees
RWD. Shock absorber and spring assembly to top mount - nuts	30	22
AWD. Shock absorber and spring assembly to top mount - nuts *	30	22
Stabilizer bar clamp to subframe - bolt	55	40
RWD. Stabilizer bar link to lower arm - nut *	70	52
RWD. Stabilizer bar link to stabilizer bar - nut *	48	32
AWD. Stabilizer bar link to knuckle - nut *	70	52
AWD. Stabilizer bar link to stabilizer bar - nut *	70	52
Stabilizer bar air scoop - bolt (vehicles with carbon ceramic brakes)	10	7
Upper arm ball-joint - nut *	90	66
Upper arm to body - nut *	70	52
RWD. Wheel bearing and hub assembly to wheel knuckle - bolts *	90	66
AWD. Wheel bearing and hub assembly to wheel knuckle - bolts *		
Stage 1	10	7
Stage 2	115	85

\* New nut/bolt must be installed.

## COMPONENT LOCATION



ITEM	DESCRIPTION
1	Right wheel hub and bearing assembly
2	Right wheel knuckle
3	Upper control arm bush (2 off)
4	Right upper control arm
5	Right Top Plate
6	Right spring and shock absorber assembly
7	Stabilizer link
8	Rear right lower lateral control arm
9	Front subframe

10	Left lower lateral control arm
11	Left spring and shock absorber assembly
12	Upper control arm bush (2 off)
13	Left top mount
14	Left upper control arm
15	Left wheel knuckle
16	Front left wheel hub and bearing assembly
17	Front left lower control arm - Brake scoop
18	Left lower control arm
19	Mounting bracket (2 off)
20	Stabilizer bar
21	Stabilizer bar bush (2 off)
22	Front right lower control arm
23	Front right lower control arm - Brake scoop

## INTRODUCTION

The front suspension is of a fully independent design. The front suspension components are attached to the front subframe and the vehicle body. The subframe is attached to the vehicle body with four long bolts which pass through bushes located in the subframe.

The front suspension on each side comprises:

- Upper control arm
- Rear lower lateral control arm
- Rear lower control arm
- Wheel knuckle and hub assembly
- Stabilizer bar
- Spring and shock absorber assembly.

2015.0 F-TYPE (X152), 204-02  
**REAR SUSPENSION**

**SPECIFICATIONS**

**Torque Specifications**

**ⓘ CAUTION:**

Nuts and bolts must be tightened with the weight of the vehicle on the suspension.

DESCRIPTION	NM	LB-FT
Halfshaft to hub retaining nut *	300	221
Lower control arm to subframe retaining nut *	192	142
Lower control arm to wheel knuckle retaining nut *	190	140
Lower control arm to wheel knuckle retaining nut <b>SVR</b> *	Stage 1: 70 Stage 2: 240 degrees	Stage 1: 52 Stage 2: 240 degrees
Shock absorber to spring retaining nut:		
Passive shock absorber	50	37
Active shock absorber	27	20
Shock absorber and spring assembly to top mount retaining nuts	30	22
Shock absorber and spring assembly to lower control arm retaining bolt	133	98
Stabilizer bar clamp to subframe retaining nuts *	55	40
Stabilizer bar link to lower control arm	48	35

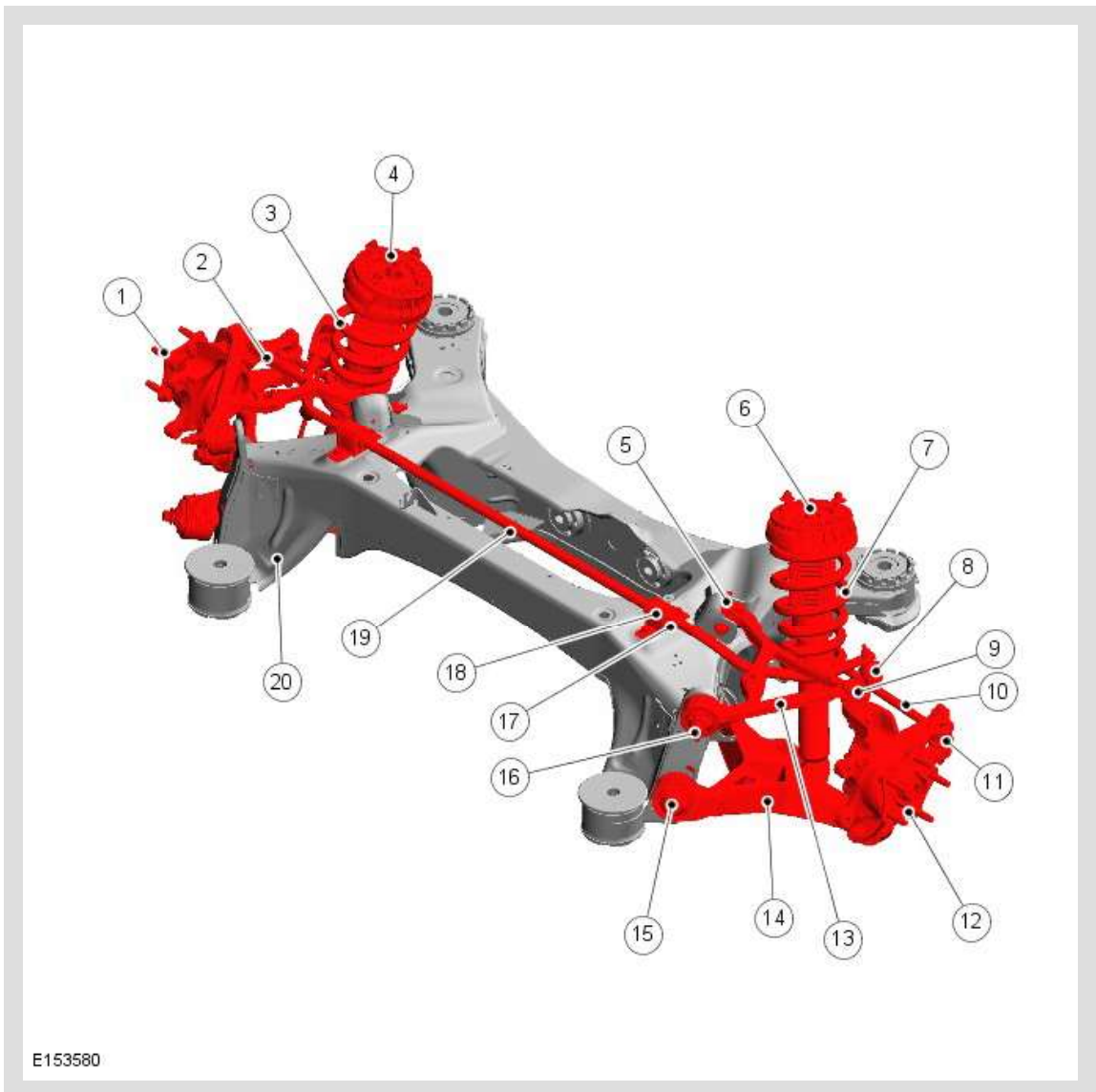
retaining nut *		
Stabilizer bar link to stabilizer bar retaining nut *	48	35
Tie rod to subframe - ball joint retaining nut *	90	66
Tie Rod to wheel knuckle retaining nut *	63	46
Tie Rod to wheel knuckle retaining nut <b>SVR</b> *	Stage 1: 40 Stage 2: 180 degrees	Stage 1: 30 Stage 2: 60 degrees
Upper control arm to subframe retaining nut *	115	85
Upper control arm to wheel knuckle - ball-joint retaining nut *	96	71
Upper control arm to wheel knuckle - ball-joint retaining nut <b>SVR</b> *	Stage 1: 60 Stage 2: 60 degrees	Stage 1: 44 Stage 2: 60 degrees

\* New nut/bolt must be installed.

2015.0 F-TYPE (X152), 204-02  
**REAR SUSPENSION**

**DESCRIPTION AND OPERATION**

**COMPONENT LOCATION**



ITEM	DESCRIPTION
1	Rear right wheel hub and bearing assembly

2	Rear right upper control arm
3	Rear right spring and shock absorber assembly
4	Right top plate
5	Bush - upper control arm
6	Left top plate
7	Rear left spring and shock absorber assembly
8	Stabilizer bar link
9	Ball joint
10	Rear tie-rod (2 off)
11	Rear left wheel knuckle
12	Rear left wheel hub and bearing assembly
13	Rear left upper control arm
14	Rear left lower control arm
15	Bush - lower control arm
16	Bush - upper control arm
17	Bush (2 off)
18	Mounting bracket (2 off)
19	Rear stabilizer bar
20	Rear crossbeam

## INTRODUCTION

The rear suspension is a double wishbone design which is attached to a rear crossbeam. The crossbeam is attached to the vehicle body with 4 long bolts which pass through bushes located in the crossbeam.

The rear suspension on each side comprises:

- Rear upper control arm
- Rear lower control arm
- Tie-rod