



This Supplement is not intended to replace your vehicle Owner's Manual which contains more detailed information concerning the features of your vehicle, as well as important safety warnings designed to help reduce the risk of injury to you and your passengers. Please read your entire Owner's Manual carefully as you begin learning about your new vehicle and refer to the appropriate sections when questions arise.

All information contained in this supplement was accurate at the time of duplication. We reserve the right to change features, operation and/or functionality of any vehicle specification at any time. Your Ford dealer is the best source for the most current information. For detailed operating and safety information, please consult your Owner's Manual.



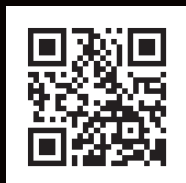
FORD PERFORMANCE



March 2017
Second Printing
Supplement
Focus ST
Litho in USA



HM5J 19A285 AB



owner.ford.com (U.S.)



ford.ca (Canada)

2017 FORD FOCUS ST SUPPLEMENT



2017 FORD **FOCUS ST** Owner's Manual Supplement



The information contained in this publication was correct at the time of going to print. In the interest of continuous development, we reserve the right to change specifications, design or equipment at any time without notice or obligation. No part of this publication may be reproduced, transmitted, stored in a retrieval system or translated into any language in any form by any means without our written permission. Errors and omissions excepted.

© Ford Motor Company 2017

All rights reserved.

Part Number: HM5J19A285 AB 201608 20170103162253

Table of Contents

Introduction

About This Supplement.....	3
SVT.....	4
Team RS.....	4
Ford Performance.....	4

At a Glance

At a Glance.....	6
------------------	---

Instrument Cluster

Gauges.....	10
Warning Lamps and Indicators.....	12

Transmission

Manual Transmission.....	14
--------------------------	----

Stability Control

Using Stability Control.....	16
------------------------------	----

Driving Hints

Engine Overspeed.....	18
Engine Overboost.....	18

Roadside Emergencies

Roadside Assistance.....	19
--------------------------	----

Maintenance

Under Hood Overview.....	21
Engine Oil Dipstick.....	22
Drive Belt Routing.....	22

Wheels and Tires

Tires.....	23
Using Winter Tires.....	24
Technical Specifications.....	25

Capacities and Specifications

Engine Specifications.....	27
----------------------------	----

Motorcraft Parts.....	28
Capacities and Specifications.....	29

Warranty Terms and Conditions

Base Warranty.....	32
--------------------	----

Introduction

ABOUT THIS SUPPLEMENT

Congratulations on your decision to purchase or lease the latest from Ford Performance – the Focus ST. If you have owned or leased an SVT or ST product in the past, we are glad you are back. If this

is your first Ford Performance vehicle, welcome to the family! We are confident that our dedication to performance, quality, craftsmanship and customer service will provide many miles of exhilarating, safe and comfortable driving in your new ST vehicle.



E194505

Your choice of a Ford Performance product is an intelligent and informed one. We strive to build engaging vehicles that involve the driver in every aspect of the driving experience. Although performance is at the heart of every Ford Performance developed vehicle, we go much further. Our goal is to deliver a comprehensive, complete vehicle, sweating the details such as the sound of the exhaust, the quality of the interior materials, and the functionality and the comfort of the seats, to make sure that the driver enjoys not only

exceptional performance but an outstanding driving environment as well. In the Focus ST, that philosophy is expressed by a sophisticated powertrain, outstanding chassis dynamics and significant interior and exterior enhancements.

Introduction

This supplement complements your Focus Owner's Manual and provides information specific to the Focus ST. By referring to the pages listed in this supplement, you can identify those features, recommendations and specifications unique to your Ford Performance vehicle. If there are any discrepancies between this supplement and the Focus Owner's Manual, this supplement supersedes the information found in the Focus Owner's Manual.

If you have any questions or concerns regarding your Focus ST, please call the Ford Performance Info Center at 1-800-FORD-SVT (367-3788).

SVT

The Special Vehicle Team (SVT) was established in 1991 to polish the Ford Oval by creating low-volume, factory-produced vehicles designed for people whose idea of driving is a high-powered, passionate experience - not just a means of getting from A to B.

To support such spirited enthusiasm, we carefully integrated the wide array of talent in the company into a small, cross-functional group of engineers and product planners and located them under one roof with a common mission to create vehicles specifically designed to meet the unique needs and desires of the driving enthusiast.

We produced more than 250,000 SVT vehicles since 1993 model year including the SVT Mustang Cobra and the Cobra R, the SVT F-150 Lightning, the SVT Contour, the SVT Focus, Ford GT, Shelby GT500, GT500KR and the F-150 SVT Raptor.

TEAM RS

Team RS traces its roots back nearly 60 years from the Lotus Cortina and Twin Cam Escorts of the mid-1960s, through the first RS branded Escorts of the 1970s to the founding of Special Vehicle Engineering (SVE) in 1980. Through the 1980s and 90s, SVE delivered a breadth of vehicles from exciting XR and RS branded road going performance cars through homologation specials including the iconic Sierra Cosworth RS500 and RS200. The first ST vehicle appeared in 1996 as the ST24 Mondeo. The first collaboration between our European and North American performance teams appeared in 2002 as the ST170 in Europe and SVT Focus in North America. In 2003, Team RS replaced SVE in Europe when we brought performance car and motorsport personnel together as one team.

FORD PERFORMANCE

Welcome to the Ford Performance family!

Performance and racing are deeply embedded in Ford's DNA, dating back to October 10, 1901 when Henry Ford won his first race against Alexander Winton, America's greatest racer at the time. Henry Ford founded Ford Motor Company 18 months later with capital raised on the back of this remarkable upset victory.

Today, that spirit of passion, innovation and performance lives on through Ford Performance. Established in 2015, the company's performance teams -- Ford Special Vehicle Team (United States), Team RS (Europe), Ford Performance (Australia) and Ford Racing (United States) -- have unified under the mission to create the world's leading performance vehicles, parts, accessories and

Introduction

experiences for enthusiasts. This includes accelerating the development of advanced aerodynamics, lightweighting, electronics, powertrain performance, fuel efficiency and other technologies that can be applied

across Ford's product portfolio.

We are proud and passionate about what we do and we look forward to a long and exciting relationship with you. Thank you for choosing Ford Performance!



E211570

At a Glance



E194501

- 2.0L GTDI EcoBoost I4 engine.
- Overboost function for increased torque.
- Electronic over-rev function with 6800 RPM redline.
- ST-tuned 2.5 in (63.5 mm) center exit exhaust system.
- Getrag-Ford MMT6 6-speed manual transaxle.
- Active sound symposer.
- Modified front suspension knuckle for improved wheel end geometry.
- Cast rear knuckle (improved stiffness) and alternative anti-roll-bar mounting for improved efficiency.
- ST-tuned springs and dampers.
- Increased diameter (13 in (335 mm)) front brake rotors and unique calipers with ST tuned pad formulation front and rear.
- Enhanced torque vectoring control with cornering understeer control.
- ST-tuned electric power assisted steering.
- AdvanceTrac® stability enhancement system with three modes: Normal, Sport and Disabled.
- 20 in (45.7 cm) x 7.99 in (20.3 cm), 2.17 in (55 mm) offset aluminum ST wheels.
- P235/40-18 directional Goodyear Eagle F1 summer only performance tires (standard).

At a Glance

- P235/40-18 Pirelli P-Zero Nero performance all-season tires (optional).
- ST-engineered front and rear fascias and rear wing.
- Optional Recaro front seats with increased lateral support and matching rear seat covers.
- Leather wrapped ST sport steering wheel with improved grip contour.
- ST-unique instrument panel appliques, shift knob, shift boot and pedal pads.
- ST high-speed instrument cluster and auxiliary cluster with oil temperature, oil pressure and boost gauges.

Vehicle Specifications



E194502

Item	Description		
Transmission	GFT MMT6 6-speed manual with 240 millimeter clutch and dual mass flywheel		
Gear ratios	Gear	Ratio	Final drive
	1st	3.231	4.063

At a Glance

Item	Description		
	2nd	1.952	4.063
	3rd	1.321	4.063
	4th	1.321	4.063
	5th	1.129	2.955
	6th	0.943	2.955
	Reverse	4.600	2.955

Engine Specifications

Item	Description
Configuration	Transversely mounted I4, cast aluminum cylinder block and cylinder heads
Bore x stroke	3.4 in (87.5 mm) bore x 3.2717 in (83.1 mm) stroke
Displacement	122 in ³ (1,999 cm ³)
Compression ratio	9.3:1
Horsepower	252 hp @ 5500 RPM on 93 octane 243 hp @ 5500 RPM on 87 octane
Torque	270 lb-ft @ 2500 RPM on 93 octane 270 lb-ft @ 2500 RPM on 87 octane
Redline	6500 RPM continuous 6800 RPM three-second overspeed
Specific output	126 horsepower per liter
Valvetrain	Twin independent variable cam timing
Ignition	Coil-on-plug
Fuel system	150 bar fuel pump
Throttle body	2.2 in (57 mm)
Pistons	Cast aluminum
Crankshaft	Cast iron
Connecting rods	Forged steel

At a Glance

Item	Description
Turbo	Single scroll / 21 psi max boost*
Exhaust system	2.5 in (63.5 mm) diameter

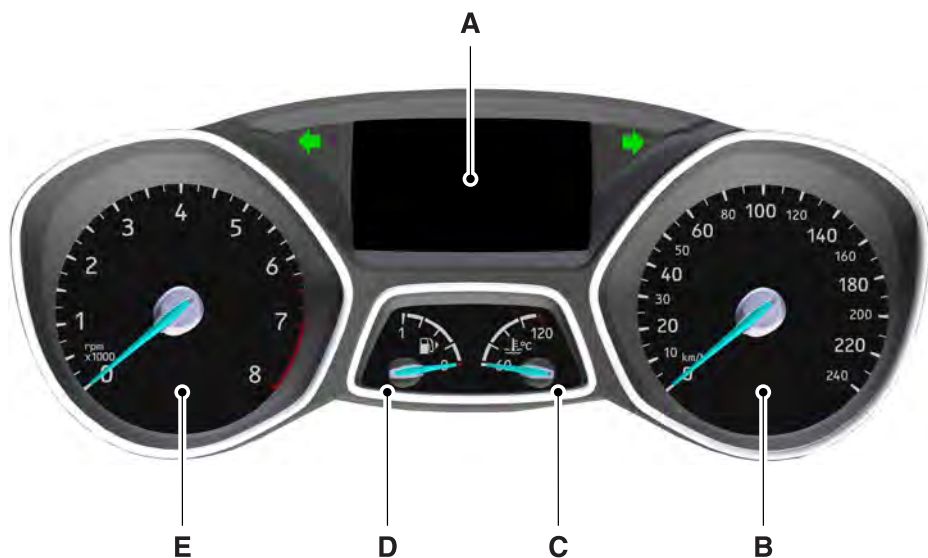
* SAE Certified Performance ratings are achieved with 19.5 psi, but up to 21 psi can be delivered to maximize power depending on fuel quality and atmospheric conditions.

Suspension Specifications

Item	Description
Front suspension	MacPherson strut with L-arm front suspension and revised knuckle
Rear suspension	Fully independent control blade SLA with revised stabar routing
Front spring rate	171 lb/in (30 N/mm)
Rear spring rate	183 lb/in (32 N/mm)
Front stabilizer bar	0.945 in (24 mm) diameter x 0.157 in (4 mm) thick hollow
Rear stabilizer bar	0.866 in (22 mm) diameter

Instrument Cluster

GAUGES



E207713

- A Information display.
- B Speedometer.
- C Engine coolant temperature gauge.
- D Fuel gauge.
- E Tachometer.

Information Display

Odometer

Records the total distance traveled by your vehicle.

Outside Air Temperature

Shows the outside air temperature.

Trip Computer

Vehicle Settings and Personalization

Engine Coolant Temperature Gauge

WARNING



Never remove the coolant reservoir cap while the engine is running or hot.

Instrument Cluster

At normal operating temperature the indicator will remain in the center section.

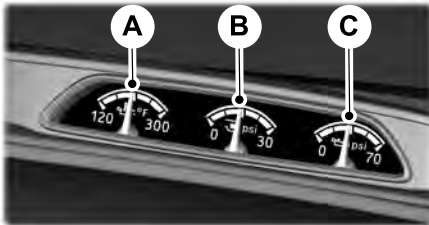
Note: *Do not restart the engine until the cause of overheating has been determined and resolved.*

If the needle enters the red section, the engine is overheating. Stop the engine, switch the ignition off and determine the cause once the engine has cooled down.

Fuel Gauge

Switch the ignition on. The fuel gauge will indicate approximately how much fuel is left in the fuel tank. The arrow adjacent to the fuel pump symbol indicates on which side of your vehicle the fuel filler door is located.

Instrument Panel Gauges



E215771

- A Oil temperature gauge.
- B Turbocharger boost gauge.
- C Oil pressure gauge.

Oil Temperature Gauge

Indicates the temperature of the engine oil.

If the needle enters the red section, the engine is overheating. Reduce engine speed as soon as safely possible to allow the engine to cool. If you continue to operate the engine at high engine speeds with the needle in the red section, the engine speed reduces automatically to prevent engine damage.

Turbocharger Boost Gauge

Indicates the added intake pressure provided by the turbocharger.

Oil Pressure Gauge

Indicates the pressure of the engine oil.

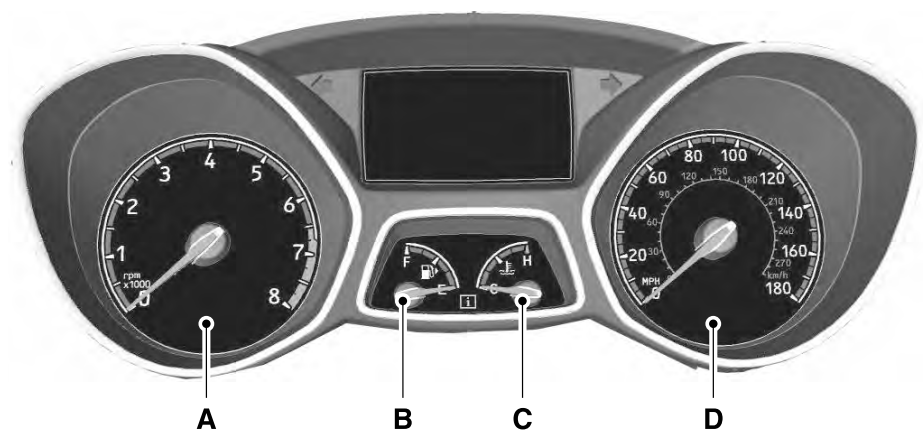
Oil pressure varies with engine speed. The pressure rises as engine speed rises and drops as engine speed drops.

If the needle enters the red section, the oil pressure warning lamp in the instrument cluster illuminates. Stop the vehicle as soon as safely possible and switch off the engine immediately. Check the oil level and add oil if needed.

Instrument Cluster

WARNING LAMPS AND INDICATORS

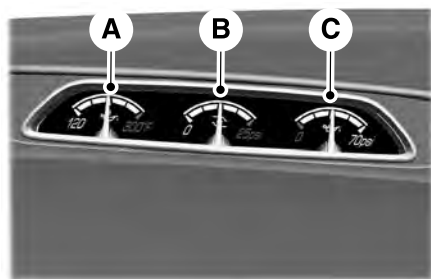
Gauges



E194323

- A Tachometer.
- B Fuel gauge.
- C Coolant temperature gauge.
- D Speedometer.

Instrument Cluster



E180863

- A Oil temperature gauge.
- B Turbocharger boost gauge.
- C Oil pressure gauge.

Oil Temperature Gauge

Indicates the temperature of the engine oil.

If it enters the red section, the engine is overheating. Reduce engine speed as soon as safely possible to allow the engine to cool. If the engine continues to be driven at high engine speeds with the needle in the red section, the engine speed reduces automatically to prevent engine damage.

Turbocharger Boost Gauge

Indicates the added intake pressure provided by the turbocharger.

Oil Pressure Gauge

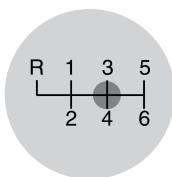
Indicates engine oil pressure.

During normal driving, the indicated oil pressure varies with engine speed, the pressure rising as engine speed rises and dropping as engine speed drops.

If the engine oil pressure drops below the normal range, the oil pressure gauge pointer drops into the red section of the gauge scale and the engine oil pressure warning lamp in the main instrument cluster illuminates. Stop the vehicle as soon as safely possible and switch off the engine immediately. Check the oil level and add oil if needed.

Transmission

MANUAL TRANSMISSION



E144954

Using the Clutch

Note: During each shift, you must fully press the clutch pedal to the floor and fully release the accelerator. Failure to follow this may cause increased shift efforts, prematurely wear transmission components, or cause gear clash or damage to the transmission. Make sure you properly position the floor mat so it does not interfere with the full extension of the clutch pedal.

Note: If you attempt to shift when the drive wheels are spinning with a loss of traction, it is possible to cause damage to the transmission. Do not attempt to shift when the drive wheels do not have traction.

Note: Do not drive with your foot resting on the clutch pedal or use the clutch pedal to hold your vehicle at a standstill while waiting on a hill. These actions will reduce the life of the clutch.

Due to the high performance of the powertrain, a certain amount of noise from the transmission is normal.

The manual transmission has a starter interlock that prevents cranking the engine unless you fully press the clutch pedal.

To start the vehicle:

1. Make sure the parking brake is fully set.

2. Press the clutch pedal to the floor, then put the transmission in neutral (N).
3. Start the engine, then press the brake pedal and release the parking brake.
4. Move the transmission to position 1, then slowly release the clutch pedal while slowly pressing on the accelerator.
5. To reverse, lift up on the reverse lockout ring found under the shift knob and move the transmission fully to the left and forward.

Recommended Shift Speeds for Maximum Fuel Economy

When accelerating, upshift according to the following chart:

Shift from:	
1-2	12 mph (19 km/h)
2-3	23 mph (37 km/h)
3-4	32 mph (51 km/h)
4-5	41 mph (66 km/h)
5-6	42 mph (67 km/h)

Operating at High Speeds

Your ST vehicle is capable of high speeds and has tires rated for the vehicle's maximum speed. Remember to drive safely, obey all traffic laws and only operate your ST vehicle at high speeds at locations equipped and designed to do so safely.

Transmission

Before operating your vehicle at high speeds:

- Verify correct tire pressures. See **Tires** (page 23).
- Inspect wheels and tires for wear and damage. Replace any wheels or tires that have damage.
- Do not operate your vehicle at high speeds with more than two passengers or while carrying cargo.

Stability Control

USING STABILITY CONTROL

The AdvanceTrac® system includes traction control and electronic stability control. See the **Traction Control** and **Stability Control** chapters of the Owner's Manual for more information.

Never switch off stability control or select sport mode when an emergency wheel or compact wheel is fitted as spare wheel.



E194298

AdvanceTrac provides three modes of operation specially calibrated for your vehicle. These are controlled through the AdvanceTrac button on the center console.

Stability Control

AdvanceTrac Modes			
Mode	Description	Button operation	Display
Normal	Daily usage with all driver aids engaged.	None	None
Sport*	Spirited driving. Thresholds altered on traction control and electronic stability control to allow more tire spin and vehicle slip.	Single press	• Message center displays: Sport Mode. • Amber light in cluster illuminates.
Off**	Track Use Only. Traction control and electronic stability control are disabled.	Press and hold for five seconds	• Message center displays: Hold to switch electronic stability control off. • Electronic Stability Control off. • Amber light in cluster illuminates.

Note: *You may not be able to switch Sport mode on when using a programmed MyKey. See **MyKey** for more information.

Note: **When using a programmed MyKey you cannot switch this off.

Enhanced Torque Vectoring Control

Enhanced torque vectoring control is comprised of two elements:

- Torque vectoring control, which applies brake torque on the inner wheel in a curve for better traction and less understeer.
- Cornering understeer control which controls the yaw response of the vehicle under braking and acceleration on high and low friction surfaces.

Unlike electronic stability control, enhanced torque vectoring control does not slow the vehicle. It helps control excessive wheel slip and gives the vehicle cornering agility. The system only increases performance. Because of this, the system does not disable enhanced torque vectoring control when the AdvanceTrac system is off.

Driving Hints

ENGINE OVERSPEED

WARNING



Do not operate the engine at high engine speeds while the vehicle is stationary. This can cause damage not covered by the vehicle Warranty and can result in serious injury.

Your vehicle has an engine speed limiter that helps increase engine performance. A narrow red line on the tachometer face indicates the standard maximum engine speed. The red line thickens where the engine speed enters the overspeed limiter.

The system allows a maximum of three seconds of engine overspeed. After this, the engine speed limiter reduces engine speed and holds it at a predetermined limit. Once the engine speed drops below the predetermined limit, the system resets and permits a further three seconds of engine overspeed.

Note: *Do not run the engine at high engine speeds until it reaches the normal operating temperature.*

ENGINE OVERBOOST

Your vehicle has an engine overboost feature to allow additional torque delivery. The overboost feature controls a variety of engine parameters to deliver additional torque. This feature widens the engine speed range of the peak torque curve, giving maximum performance while passing another vehicle or launching from a standing start.

The system allows a maximum of 20 seconds of engine overboost. After this the system reduces turbo charger boost and maximizes it at a predetermined limit. Once the turbo charger boost drops below the predetermined limit the system resets and a further 20 seconds of engine overboost is permitted.

Note: *You do not need to take any action as the system allows overboost when you demand it.*

Roadside Emergencies

ROADSIDE ASSISTANCE

Vehicles Sold in the United States: Getting Roadside Assistance

To fully assist you should you have a vehicle concern, Ford Motor Company offers a complimentary roadside assistance program. This program is separate from the New Vehicle Limited Warranty.

The service is available:

- 24 hours a day, seven days a week.
- For the coverage period listed on the Roadside Assistance Card included in your Owner's Manual portfolio.

Roadside Assistance covers:

- A flat tire change with a good spare (except vehicles supplied with a tire inflation kit).
- Battery jump start.
- Lock-out assistance (key replacement cost is the customer's responsibility).
- Fuel delivery — independent service contractors, if not prohibited by state, local or municipal law, shall deliver up to 2 gal (8 L) of gasoline or 5 gal (20 L) of diesel fuel to a disabled vehicle. Roadside Assistance limits fuel delivery service to two no-charge occurrences within a 12-month period.
- Winch out — available within 100 ft (30 m) of a paved or county maintained road, no recoveries.

- Towing — independent service contractors, if not prohibited by state, local or municipal law, shall tow Ford eligible vehicles to an authorized dealer within 35 mi (56 km) of the disablement location or to the nearest authorized dealer. If a member requests a tow to an authorized dealer that is more than 35 mi (56 km) from the disablement location, the member shall be responsible for any mileage costs in excess of 35 mi (56 km).
- Roadside Assistance includes up to \$200 for a towed trailer if the disabled eligible vehicle requires service at the nearest authorized dealer. If the towing vehicle is operational but the trailer is not, then the trailer does not qualify for any roadside services.

Vehicles Sold in the United States: Using Roadside Assistance

Complete the roadside assistance identification card and place it in your wallet for quick reference. This card is in the owner's information portfolio in the glove compartment.

United States vehicle customers who require Roadside Assistance, call 1-800-241-3673.

If you need to arrange roadside assistance for yourself, Ford Motor Company reimburses a reasonable amount for towing to the nearest dealership within 35 mi (56 km). To obtain reimbursement information, United States vehicle customers call 1-800-241-3673. Customers need to submit their original receipts.

Roadside Emergencies

Vehicles Sold in Canada: Getting Roadside Assistance

To fully assist you should you have a vehicle concern, Ford Motor Company of Canada, Limited offers a complimentary roadside assistance program. This program is eligible within Canada or the continental United States.

This program is separate from the New Vehicle Limited Warranty, but the coverage is concurrent with the powertrain coverage period of your vehicle.

Canadian customers who require roadside assistance, call 1-800-665-2006.

Vehicles Sold in Canada: Using Roadside Assistance

Complete the roadside assistance identification card and place it in your wallet for quick reference.

In Canada, this card is found in the Warranty Guide in the glove compartment of your vehicle.

Vehicles Sold in Canada: Roadside Assistance Program Coverage

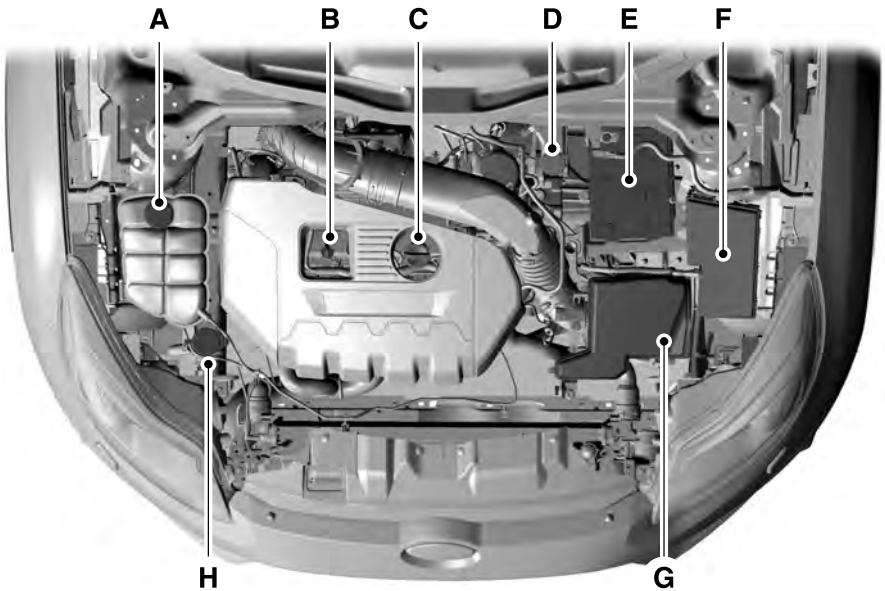
The service is available 24 hours a day, seven days a week.

Canadian roadside coverage and benefits may differ from the U.S. coverage.

If you require more information, please refer to the coverage section of your warranty guide, call us in Canada at 1-800-665-2006, or visit our website at www.ford.ca.

Maintenance

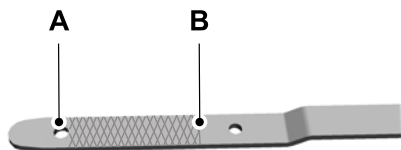
UNDER HOOD OVERVIEW



E180866

- A Engine coolant reservoir.
- B Engine oil dipstick.
- C Engine oil filler cap.
- D Brake fluid and clutch fluid reservoir.
- E Battery.
- F Engine compartment fuse box.
- G Engine air cleaner.
- H Washer fluid reservoir.

ENGINE OIL DIPSTICK



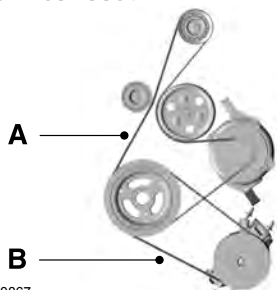
E169062

- A Minimum.
- B Maximum.

DRIVE BELT ROUTING

Drivebelt Routing

2.0L EcoBoost



E180867

- A. Long drivebelt is on the first pulley groove closest to the engine.
- B. Short drivebelt is on the second pulley groove farthest from the engine.

Wheels and Tires

TIRES

Tires	Standard	Optional
	Goodyear Eagle F1	Pirelli P-Zero Nero
Size	235/40-18	235/40-18
Speed rating	Y	W
Load rating	95	95
Usage	Summer only	All season
Wheels	18 in. x 8.0 in., 55 mm offset aluminum wheels	

As standard, your ST vehicle is equipped with low profile, high performance tires that are designed to optimize the driving dynamics you expect in a ST vehicle. These tires are not optimized for off-road or winter (snow or cold weather) performance, and the ride, noise and wear characteristics are different than non-performance tires. Also, because of their lower profile, the tires are more susceptible to damage due to potholes and rough roads. To make sure that your tires perform as intended, it is important that you maintain your tires properly:

Note: *Do not use tire chains on the original wheels and tires of your vehicle. The use of any type of tire chain on these tires may damage your vehicle.*

- Do not overload your vehicle. Maximum vehicle and axle weights are listed on the tire information placard.
- Take extra caution when operating the vehicle near its maximum load, including assuring proper tire pressure and reducing speeds.
- Take extra caution when operating on rough roads to avoid impacts that could cause tire damage.
- If you encounter an abnormally harsh impact, inspect your tires for damage.

- Inspect your tires for damage on a regular basis. If a tire is damaged, replace it immediately.
- Proper suspension alignment is critical for maximum performance and optimal tire wear. If you notice uneven tire wear, have your alignment checked.
- When replacing tires, the only way to maintain original performance is to use the original equipment tire. If a different summer tire is used, it should be the same size, speed rating and load rating as the originally equipped tire. Replace tires as a set of four. Never mix tire brands or models.

Tire Pressure

Note: *You may need to remove the spare wheel from the spare wheel well to check the tire pressure.*

- For tire pressures, see the placard located on the B-pillar inside the driver's door.
- Always maintain your tire pressures according to the tire information placard on the driver's door jamb, using an accurate gauge.

Wheels and Tires

- Tire pressures are specified cold. Check them after the vehicle has been parked for at least three hours. Do not reduce pressure of warm tires.
- Check your tire pressure often to maintain it properly. Tire pressure can diminish over time and fluctuate with temperature.

Optional All-Season Tires

Your Focus ST may come equipped with an optional All-Season performance tire. This choice will provide the benefit of four season mobility without requiring the installation of winter tires. It is important to realize that ultimate summer performance will be reduced relative to the standard equipment summer only tire. Additionally, ultimate winter traction and control will be less than a dedicated winter tire would provide. If you drive during the winter months in areas with heavy snowfall and/or hilly terrain, you may wish to install a dedicated winter tire if ultimate traction and control are desired.

USING WINTER TIRES

The standard equipment tires on your ST vehicle are designed for maximum performance in dry and wet summer conditions. They are not designed for winter use on ice or snow and you cannot use them with snow chains. Ford does not recommend using the original equipment tires when temperatures drop to approximately 41°F (5°C) or below (depending on tire wear and environmental conditions) or in snow and ice conditions. You must use winter or all-season tires if you will be operating your vehicle in these conditions.

- Even with clear, dry driving conditions do not operate your vehicle above posted speed limits or perform high speed maneuvers with winter tires.
- Do not use tire chains on the original wheels and tires of your vehicle. The use of any type of tire chain on these tires may damage your vehicle.

The following table lists acceptable tire sizes for winter tires. Tire speed and load ratings should match those of the originally equipped tires as closely as possible. If it is required to fit winter tires with a speed rating less than the original equipment tires (to fit snow chains, for example), be aware of the maximum speed rating for the tire and never exceed.

Compatible Snow Tire and Wheel Packages	
Tire size	Required wheel.
235/40-18	Original equipment ST wheel or equivalent.
235/45-17	Owner supplied. See your Ford dealer for suitable wheels from the Focus lineup.
215/50-17 *	

* Required size to prevent vehicle damage if snow chain use is required.

Wheels and Tires

Please call the Ford Performance Info Center at 1-800-FORD-SVT (367-3788)

for specific winter tire recommendations.

TECHNICAL SPECIFICATIONS

WHEELS

Wheel Specification	
Diameter and width	18 inches x 8.0 inches
Offset	2.2 in (55 mm)
Backspacing	6.7 in (16.949 cm)
Center bore	2.5 in (63.5 mm)
Weight	25 lb (11 kg)

Your ST vehicle is equipped with unique wheels matched to the tires. These wheels are more susceptible to damage due to their diameter, width and low profile tires. To avoid damage to your wheels:

- Maintain proper tire pressure.
- Exercise caution when using automated, commercial car washes. Hand washing or using touchless commercial car washes without mechanical tracks is the best way to avoid potential damage.
- When installing wheels, always torque lug nuts to specification with a torque wrench.
- Inspect your wheels for damage on a regular basis. If a wheel is damaged, replace it immediately.
- If you encounter an abnormally harsh impact, inspect the outer diameter of your wheels, both inside and out, for damage.

Full Size Spare

Spare tire	Continental ContiProContact
Size	215/50R17
Speed rating	H
Load rating	91

Wheels and Tires

Spare tire	Continental ContiProContact
Usage	All Season
Wheel	17 in. x 7.5 in, 52.5mm offset steel wheel

See the **Wheels and Tires** chapter of your owner's manual for instructions on changing a road wheel.

Your ST vehicle is equipped with a full-size, dissimilar spare tire assembly. Although the spare is a traditional, full size tire (as opposed to a mini-spare), it is different in both size and handling characteristics from the standard Focus ST performance tire. If you need to install the spare tire, you must adhere to the following precautions:

- Because of the different performance characteristics of the spare tire, avoid aggressive steering, braking, acceleration or high speeds when you install the spare tire.
- Never enable electronic stability control sport mode or fully disable electronic stability control when you install the spare tire.
- Replace the spare tire with the correct original equipment specified tire as soon as possible.

The table lists the specifications for the full size spare tire and wheel assembly. Tire speed and load ratings should match those of the originally equipped tires as closely as possible.

Capacities and Specifications

ENGINE SPECIFICATIONS

Engine	2.0L EcoBoost engine
Cubic inches	122
Required fuel	Minimum 87 octane
Firing order	1–3–4–2
Ignition system	Coil on plug
Compression ratio	9.3:1
Spark plug gap	0.027-0.031 in (0.70-0.80 mm)

Capacities and Specifications

MOTORCRAFT PARTS

Component	Part Number
Air filter element	FA-1908
Oil filter	FL-910-S
Battery	BXT-96R-590
Spark plugs	SP-537 / CYFS12Y2
Engine fuel filter	Lifetime Filter
Cabin air filter	FP-70
Windshield wiper blade	WW-2802 (driver side) WW-2803 (passenger side) WW-1295 (rear)

We recommend Motorcraft replacement parts available at your Ford dealer or at fordparts.com for scheduled maintenance. These parts meet or exceed Ford Motor Company's specifications and are engineered for your vehicle. Use of other parts may impact vehicle performance, emissions and durability. Your warranty may be void for any damage related to use of other parts.

If a Motorcraft oil filter is not available, use an oil filter that meets industry performance specification SAE/USCAR-36.

For spark plug replacement, contact an authorized dealer. Replace the spark plugs at the appropriate intervals.

Capacities and Specifications

CAPACITIES AND SPECIFICATIONS

WARNING



The air conditioning refrigerant system contains refrigerant under high pressure. Only qualified personnel should service the air conditioning refrigerant system. Opening the air conditioning refrigerant system can cause personal injury.

Capacities

Item	Quantity
Engine oil fill capacity including the oil filter.	1.4 gal (5.4 L)
Engine oil fill capacity excluding the oil filter.	1.3 gal (5.1 L)
Engine coolant fill capacity.	1.7 gal (6.45 L)
Manual transmission fluid fill capacity.	0.0–0.2 in (0–5 mm) below the lower edge of the inspection hole.
Fuel tank fill capacity.	12.4 gal (47 L)
Washer system fill capacity.	0.7 gal (2.5 L)
Air conditioning refrigerant fill capacity.	21.2 oz (0.6 kg)
Air conditioning refrigerant compressor oil fill capacity.	5.1 fl oz (150 ml)

Adding Engine Oil

Quantity
0.8 qt (0.8 L)

The quantity of engine oil required to raise the indicated level on the dipstick from minimum to maximum.

Materials

Name	Specification
Motorcraft® SAE 5W-30 Premium Synthetic Blend Motor Oil (U.S.) Motorcraft® SAE 5W-30 Premium Synthetic Blend Motor Oil / Huile moteur de très haute qualité SAE 5W-30 Motorcraft® (Canada) XO-5W30-QSP (U.S.) CXO-5W30-LSP12 (Canada)	WSS-M2C946-A
Motorcraft® SAE 5W-30 Full Synthetic Motor Oil (U.S.)	WSS-M2C946-A

Specifications

We recommend that you use Motorcraft oil and fluids for your vehicle. Only use fluid that meets Ford specifications.

Using other fluids could result in damage not covered by the vehicle Warranty.

Capacities and Specifications

Name	Specification
Huile moteur synthétique Motorcraft® (Canada) XO-5W30-QFS (U.S.) CXO-5W30-LFS12 (Canada)	
Motorcraft® Orange Prediluted Antifreeze/Coolant (U.S.) Orange Prediluted Antifreeze/Coolant / Antigél/liquide de refroidissement prédilué orange (Canada) VC-3DIL-B (U.S.) CVC-3DIL-B (Canada)	WSS-M97B44-D2
Motorcraft® DOT 4 LV High Performance Motor Vehicle Brake Fluid (U.S.) DOT 4 LV High Performance Motor Vehicle Brake Fluid / Liquide de frein automobile haute performance DOT 4 LV (Canada) PM-20 (U.S. & Canada)	WSS-M6C65-A2
Motorcraft® Dual Clutch Transmission Fluid (U.S.) Dual Clutch Transmission Fluid / Huile pour boîtes embrayage double (Canada) XT-11-QDC (U.S. & Canada)	WSS-M2C200-D2
Motorcraft® Premium Windshield Wash Concentrate with Bitterant (U.S.) Premium Quality Windshield Washer Fluid / Liquide lave-glace de haute qualité (Canada) ZC-32-B2 (U.S.) CXC-37-A/B/D/F (Canada)	WSS-M14P19-A
R-1234yf Refrigerant (U.S.) R-1234yf Refrigerant / Frigorigène R-1234yf (Canada) YN-33-A (U.S.) HS7Z-19B519-BA (Canada)	WSS-M17B21-A
Motorcraft® R-1234yf Refrigerant PAG Oil (U.S.) R-1234yf Refrigerant PAG Oil / Huile PAG pour frigorigène R-1234yf (Canada) YN-35 (U.S. & Canada)	WSS-M2C300-A2
Motorcraft® Multi-Purpose Grease Spray (U.S.) Motorcraft® Multi-Purpose Grease Spray / Graisse multiusage (Canada) XL-5-A (U.S. & Canada)	ESB-MIC93-B
Penetrating and Lock Lubricant (U.S.) Penetrating Fluid / Liquide dégrippant (Canada) XL-1 (U.S.) CXC-51-A (Canada)	-

Capacities and Specifications

Motor oils of the recommended viscosity grade that meet API SN requirements and display the API Certification Mark for gasoline engines are also acceptable. Do not use oil labeled with API SN service category unless the label also displays the API certification mark.

Do not use supplemental engine oil additives because they are unnecessary and could lead to engine damage that may not be covered by the vehicle Warranty.



E142732

An oil that displays this symbol conforms to current engine, emission system and fuel economy performance standards of the International Lubricants Specification Advisory Committee (ILSAC).

If you are unable to find an engine oil that meets the specification defined by WSS-M2C946-A, it is acceptable to use a SAE 5W-30 engine oil that meets API SN requirements and displays the API Certification Mark for gasoline engines.

Note: *Do not use more than 1.1 qt (1 L) of the alternative engine oil between scheduled service intervals.*

Using oil and fluids that do not meet the defined specification and viscosity grade may lead to:

- Component damage which may not be covered by the vehicle Warranty.
- Longer engine cranking periods.
- Increased emission levels.
- Reduced engine performance.
- Reduced fuel economy.
- Reduced brake performance.

Warranty Terms and Conditions

BASE WARRANTY

The Focus ST carries the same warranty as other Ford Focus models. This information is covered in its entirety in the warranty information.

You can obtain warranty service for your ST vehicle or any ST vehicle at any Ford dealer nationwide.

Ford Global Performance does not recommend modifying or racing ST, SVT or RS vehicles, as they are designed and built to be driven as delivered from the factory. The warranty information discusses vehicle usage and the installation of aftermarket parts and their effect on warranty coverage.

In the event the vehicle is intended for track use, and the loss of warranty coverage is not of concern, the following vehicle durability actions are required:

- Perform multi-point inspection and the maintenance outlined in the 150,000 mi (240,000 km) normal maintenance schedule of the scheduled maintenance before and after track use. See the vehicle service manual for removal and installation procedures.
- Replace with Genuine Ford and Motorcraft service parts as needed.

These actions may not necessarily protect your vehicle from damage in competition conditions. Subjecting your vehicle to competition conditions even with this recommended action may render repairs non-reimbursable under the warranty.

Index

A

About This Supplement.....	3
At a Glance.....	6
Engine Specifications.....	8
Suspension Specifications.....	9
Vehicle Specifications.....	7

B

Base Warranty.....	32
--------------------	----

C

Capacities and Specifications.....	29
Capacities.....	29
Specifications.....	29

D

Drive Belt Routing.....	22
Drivebelt Routing.....	22
Driving Hints.....	18

E

Engine Oil Dipstick.....	22
Engine Overboost.....	18
Engine Overspeed.....	18
Engine Specifications.....	27

F

Ford Performance.....	4
-----------------------	---

G

Gauges.....	10
Engine Coolant Temperature Gauge.....	10
Fuel Gauge.....	11
Information Display.....	10
Instrument Panel Gauges.....	11
Gearbox	
See: Transmission.....	14

I

Instrument Cluster.....	10
-------------------------	----

Introduction.....	3
-------------------	---

M

Maintenance.....	21
Manual Transmission.....	14
Operating at High Speeds.....	14
Recommended Shift Speeds for Maximum	
Fuel Economy.....	14
Using the Clutch.....	14
Motorcraft Parts.....	28

R

Roadside Assistance.....	19
Vehicles Sold in Canada: Getting Roadside	
Assistance.....	20
Vehicles Sold in Canada: Roadside	
Assistance Program Coverage.....	20
Vehicles Sold in Canada: Using Roadside	
Assistance.....	20
Vehicles Sold in the United States: Getting	
Roadside Assistance.....	19
Vehicles Sold in the United States: Using	
Roadside Assistance.....	19
Roadside Emergencies.....	19

S

Stability Control.....	16
SVT.....	4

T

Team RS.....	4
Technical Specifications	
See: Capacities and Specifications.....	27
Tires.....	23
Optional All-Season Tires.....	24
Tire Pressure.....	23
Tires	
See: Wheels and Tires.....	23
Transmission.....	14

U

Under Hood Overview.....	21
--------------------------	----

Index

Using Stability Control.....	16
Enhanced Torque Vectoring Control.....	17
Using Winter Tires.....	24

W

Warning Lamps and Indicators.....	12
Gauges.....	12
Warranty Terms and Conditions.....	32
Wheels and Tires.....	23
Technical Specifications.....	25
Winter Tires	
See: Using Winter Tires.....	24

