2016 **FIESTA ST Supplement**

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May 2015
First Printing
Supplement
Fiesta ST
Litho in U.S.A.

GE8J 19A285 AA

Part Number: 20150430212438

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Fiesta (CCT) Canada/United States of America, enUSA, First Printing

ABOUT THIS SUPPLEMENT

Congratulations on your decision to purchase or lease the latest from Ford Performance — the Fiesta 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.

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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 Fiesta ST, that philosophy is expressed by a sophisticated powertrain, outstanding chassis dynamics and significant interior and exterior enhancements.

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

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

PRODUCT HISTORY

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

In a move to support this spirited enthusiasm, Ford Motor Company carefully integrated the wide array of talent in the company into a small, cross-functional group of engineers and product planners, housed together under one roof with a common mission: to create vehicles specifically designed to meet the unique needs and desires of the knowledgeable driving enthusiast.

Nearly 250000 SVT vehicles have been produced since the 1993 model year. These include 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 HISTORY

TeamRS traces its roots back nearly 60 years from the Lotus Ford Cortina and Twin Cam Escorts of the mid 1960's, through the first RS branded Escorts of the 1970's 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 such as the iconic Sierra Cosworth RS500. The first ST (Sport Technology) vehicle appeared in 1996 as the ST24 Mondeo. The first collaboration between Ford's European and North American performance teams appeared in 2002 as the ST170 in Europe and SVT Focus in North America. In 2003, TeamRS replaced SVE in Europe as performance car and motorsport personnel were brought together as one team. TeamRS subsequently created the 2004 Fiesta ST, 2005 Focus ST and 2009 Focus RS.

FORD PERFORMANCE

SVT and Team RS officially began working together as one team in 2009. In 2015, these two teams, along with Ford Racing, were formally combined, establishing Ford Performance as a single team. Ford Performance is responsible for all performance- and racing-oriented products and activities worldwide at Ford Motor Company. The Fiesta ST represents the best of what Ford Performance has to offer from around the globe. Your ST vehicle has been designed and developed with the four hallmarks of Ford Performance in mind: Performance, Substance, Exclusivity and Value. We are proud and passionate about what we do, and we are glad you have made us your choice.

E163958

- 1.6L GTDI EcoBoost I4 engine
- Overboost function for increased torque
- Electronic overspeed function with 6500 RPM redline
- ST-tuned 55 millimeters (2.17 inches) exhaust system with dual tips
- Ford B6 6-speed manual transaxle
- Sound symposer
- ST-tuned electric power assisted steering
- Modified front suspension knuckle for improved wheel end geometry
- ST-tuned springs, dampers, stabilizer bar and rear twist beam
- Increased diameter front brake rotors (278 millimeters x 23 millimeters) (10.9 inches x 0.91 inches) with unique calipers and ST-tuned brake pads
- Rear brake rotors (253 millimeters x 10.2 millimeters) (9.9 inches x 0.40 inches) with unique calipers and ST-tuned brake pads
- Enhanced torque vectoring with understeer control
- AdvanceTrac stability enhancement system with three modes: Normal, Sport and Disabled
- 17 inch x 7.0 inch wheels with 47.5 millimeter offset
- P205/40-R17 Bridgestone RE050A summer-only tires
- Optional P205/40-R17 Michelin Pilot Sport A/S3 all-season performance tire
- ST-engineered front and rear fascias and rear wing
- Optional Recaro front seats with increased lateral support and matching rear seat covers
- ST-unique instrument panel appliques, shift knob, steering wheel and rocker scuff panels
- ST high-speed instrument cluster

Vehicle Specifications

E163960

Item	Description		
Transmission	Ford B6 6-speed manual with 228 millimeter clutch and dual mass flywheel		
Gear ratios	Gear	Ratio	Final drive
	1st	3.727	3.82
	2nd	2.098	3.82
	3rd	1.357	3.82
	4th	1.030	3.82
	5th	0.821	3.82
	6th	0.690	3.82
	Reverse	3.818	3.82

Engine Specifications

Item	Description
Configuration	Transversely mounted I4, cast aluminum cylinder block and cylinder heads
Bore x stroke	79.0 mm bore x 81.4 mm stroke (3.11 in. x 3.20 in.)
Displacement	1597 cubic centimeters (97 cubic inches)
Compression ratio	10.0:1
Horsepower	197 hp @ 6350 RPM on 93 octane
Torque	202 lb-ft @ 4200 RPM on 93 octane
Redline	6375 RPM continuous 6500 RPM three second overspeed
Specific output	123 horsepower per liter
Valvetrain	Twin independent variable cam timing
Ignition	Coil-on-plug
Fuel system	Pressurize, direct injection, electric return-less fuel system
Throttle body	52 mm (2.05 in.)
Pistons	Die cast aluminum alloy
Crankshaft	Cast iron
Connecting rods	Sinter forged steel
Turbo	Borg Warner KP39
Exhaust system	55 mm (2.17 in.) diameter

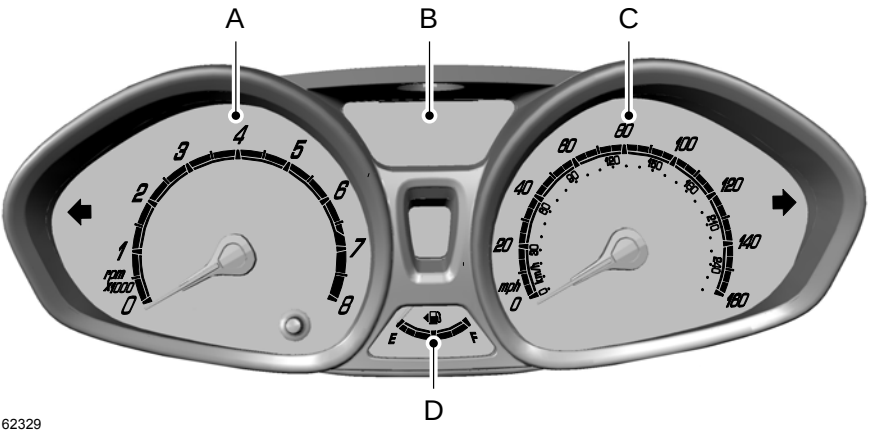
Suspension Specifications

Item	Description
Front suspension	MacPherson strut with L-arm front suspension and revised knuckle
Rear suspension	Twist beam (7.5 mm thick)
Front spring rate	30 N/mm (171 lb/in)

Item	Description
Rear spring rate	25 N/mm (143 lb/in)
Front stabilizer bar	19 mm (0.75 in) diameter
Rear stabilizer bar	Not applicable

WARNING LAMPS AND INDICATORS

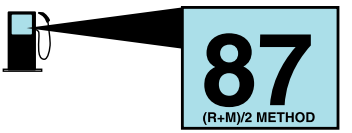
Gauges



A Tachometer
B Information display
C Speedometer
D Fuel gauge

FUEL QUALITY - GASOLINE

Choosing the Right Fuel



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We recommend regular unleaded gasoline with a pump (R+M)/2 octane rating of 87. Some fuel stations offer fuels posted as regular unleaded gasoline with an octane rating below 87, particularly in high altitude areas. We do not recommend fuels with an octane rating below 87.

For vehicles with EcoBoost engines, to provide improved performance, we recommend premium fuel for severe duty usage such as trailer tow.

Do not use any fuel other than those recommended because they could lead to engine damage that may not be covered by the vehicle Warranty.

Note: *Use of any fuel other than those recommended can impair the emission control system and cause a loss of vehicle performance.*

Do not use:

- Diesel fuel.
- Fuels containing kerosene or paraffin.
- Fuel containing more than 15% ethanol or E85 fuel.
- Fuels containing methanol.
- Fuels containing metallic-based additives, including manganese-based compounds.
- Fuels containing the octane booster additive, methylcyclopentadienyl manganese tricarbonyl (MMT).
- Leaded fuel (using leaded fuel is prohibited by law).

The use of fuels with metallic compounds such as methylcyclopentadienyl manganese tricarbonyl (commonly known as MMT), which is a manganese-based fuel additive, will impair engine performance and affect the emission control system.

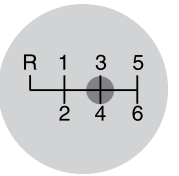
Do not be concerned if the engine sometimes knocks lightly. However, if the engine knocks heavily while using fuel with the recommended octane rating, contact an authorized dealer to prevent any engine damage.

MANUAL TRANSMISSION

Using the Clutch

Note: *Failure to fully depress the clutch pedal to the floor may cause increased shift efforts, prematurely wear transmission components or damage the transmission.*

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 and could nullify a clutch warranty claim.*



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Manual transmission vehicles have a starter interlock that prevents cranking the engine unless the clutch pedal is fully depressed.

Starting Your Vehicle

WARNING

Make sure the floor mat is positioned correctly so that it does not interfere with the full extension of the clutch pedal.

1. Make sure the parking brake is fully set and shift the gearshift lever to the neutral position.
2. Fully depress the clutch pedal then start the engine.
3. Press the brake pedal and shift the gearshift lever to first or reverse gear.
4. Release the parking brake and slowly release the clutch pedal while slowly pressing on the accelerator.

During each shift, make sure you fully depress the clutch pedal.

Recommended Shift Speeds

Note: *Do not shift the gearshift lever to first gear when your vehicle is moving faster than 15 mph (24 km/h). This will damage the clutch.*

We recommend you change gear according to the following guide to achieve the best fuel economy for your vehicle.

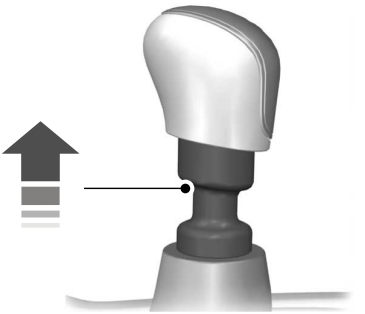
Shift from	Recommended speed
1 - 2	12 mph (19 km/h)
2 - 3	23 mph (37 km/h)
3 - 4	32 mph (51 km/h)
4 - 5	41 mph (66 km/h)
5 - 6	42 mph (67 km/h)

Reverse

Note: *Do not shift the gearshift lever to reverse gear when your vehicle is moving. This can cause damage to the transmission.*

1. Fully depress the clutch pedal to disengage the clutch.
2. Shift the gearshift lever to the neutral position and wait at least three seconds before moving it to reverse.
3. Raise the collar below the gearshift lever to shift to reverse gear.

Note: *This is a lockout feature which protects the transmission from accidentally engaging reverse gear when intending to select first gear.*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If reverse gear is not fully engaged, press the clutch pedal down and shift the gearshift lever to the neutral position. Release the clutch pedal for a moment, then raise the collar and shift the gearshift lever to reverse again.

Parking Your Vehicle

WARNING

Do not park your vehicle with the gearshift lever in the neutral position. Your vehicle may move unexpectedly and injure someone. Shift the gearshift lever to first gear and set the parking brake fully.

To park your vehicle:

1. Press the brake pedal and shift the gearshift lever to the neutral position.
2. Fully apply the parking brake and switch the ignition off.
3. Hold the clutch pedal down, and shift the gearshift lever to first gear.

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.

AdvanceTrac provides three modes of operation specially calibrated for your vehicle.

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Press the AdvanceTrac button on the center console to select these modes.

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 ESC OFF, then -Electronic Stability Control off -Amber light in cluster illuminates

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.

No action is required to activate torque vectoring control. It operates automatically due to vehicle operating conditions.

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

BREAKING-IN

Your vehicle does not need an extensive break–in. Try not to drive continuously at the same speed for the first 1000 miles (1600 kilometers) of new vehicle operation. Vary your speed frequently in order to give the moving parts a chance to break in.

Do not add friction modifier compounds or special break–in oils since these additives may prevent piston ring seating.

GENERAL DRIVING POINTS

Operating at High Speeds

Your ST vehicle is capable of high speeds and is equipped with 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. Before operating your vehicle at high speeds:

- Verify correct tire pressures. See **Tires** (page 20).
- Inspect wheels and tires for wear and damage. Replace any damaged wheels or tires.
- Do not operate your vehicle at high speeds with more than two passengers or while carrying cargo.

Curbs, Parking Lot Obstacles and Commercial Car Washing

As part of its performance tuning package, your ST vehicle has a lower ride height than a standard Fiesta. Because of lower ground clearance, use caution when approaching curbs, speed bumps or steep driveway ramps. It is recommended to cross speed bumps or driveway curbs slowly and at a 45 degree angle to reduce the risk of vehicle damage. Also, exercise extreme care if using automated commercial car washes. Do not drive through car washes with the vehicle heavily loaded (multiple passengers or luggage). Use only commercial car washes without mechanical tracks or hand wash to avoid potential damage.

ENGINE OVERSPEED

Note: *Always wait until the engine is properly warmed up before running high engine speeds.*

Your ST vehicle is equipped with an overspeed feature to increase its performance range. The standard maximum engine speed of 6375 RPM is indicated by a narrow redline on the tachometer face. The redline becomes thicker at the overspeed engine speed of 6500 RPM.

This feature allows three seconds of overspeed above 6375 RPM. Once the three second limit has been reached, the electronically controlled rev limit ramps down to 6375 RPM and holds there. Once engine speed has dropped below 6175 RPM, the overspeed timer is reset and three seconds of overspeed up to a maximum of 6500 RPM is enabled.

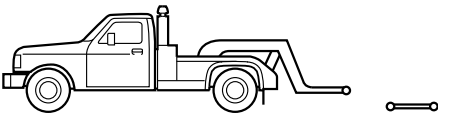
Do not operate the engine at high RPM and low load for sustained periods of time, as damage may occur.

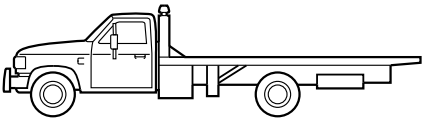
ENGINE OVERBOOST

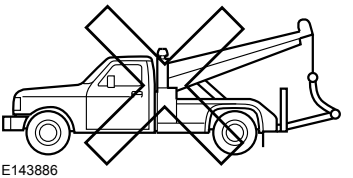
Your ST vehicle offers a period of additional torque delivery referred to as overboost or overtorque. This feature of the engine calibration broadens the RPM range of the peak torque curve. This gives improved performance during maneuvers such as passing and vehicle launch.

Note: *The overboost feature controls a variety of engine parameters to deliver additional torque. Overboost is built into the engine calibration on your ST vehicle and no action is required by the driver to engage.*

ROADSIDE ASSISTANCE







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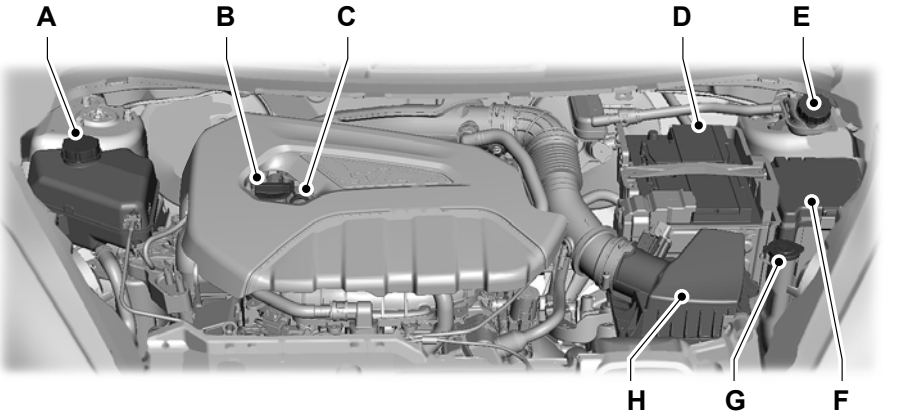
Contact your roadside assistance center or a professional towing service if you need to have your vehicle towed.

Ford recommends that your vehicle be towed with a wheel lift and dollies or with flatbed equipment. When towing with a flatbed, 4x4 blocks may help prevent damage when loading or unloading your vehicle. Do not tow with a slingbelt. Ford Motor Company has not approved a slingbelt towing procedure.

Note: *If the vehicle is towed by other means or incorrectly, vehicle damage may occur.*

UNDER HOOD OVERVIEW



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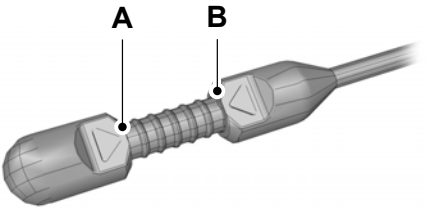
A	Engine coolant reservoir
B	Engine oil filler cap
C	Engine oil dipstick
D	Battery
E	Brake and clutch fluid reservoir
F	Engine compartment fuse box
G	Windshield and rear window washer fluid reservoir
H	Air cleaner

ENGINE OIL DIPSTICK



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A Minimum
B Maximum

WHEELS

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.

TIRES

Tires	Standard Bridgestone Potenza RE050 A	Optional Michelin Pilot Sport A/S3
Size	205/40 R17	205/40 R17
Speed rating	W	V
Load rating	84	84
Usage	Summer only	Performance all season
Wheels	17 in. x 7.0 in, 47.5 mm offset aluminum wheels	

Your ST vehicle is equipped with low profile, high performance tires that are designed to optimize the driving dynamics you expect in an ST vehicle. These tires are not optimized for off-road or winter (snow or cold weather) performance, and their 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

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

Tire Pressure for High Speed Usage

If you are operating your ST vehicle in areas that allow high-speed driving over 100 mph (160 km/h), increase the tire pressure in all four tires by 3 psi above the pressures listed on the Tire Pressure placard located on the driver side b-pillar.

Optional All-Season Tires

Your ST vehicle 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 or hilly terrain, you may wish to install a dedicated winter tire if ultimate traction and control is desired.

USING WINTER TIRES

If so equipped, the original equipment summer-only 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 cannot be used with snow chains. Ford does not recommend using the original equipment tires when temperatures drop to approximately 40ºF (5ºC) 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
205/40 R17	Original equipment ST wheel or equivalent
195/45 R16*	Owner supplied. See your Ford dealer for suitable wheels from the Fiesta lineup.

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

Please call the Ford Performance Info Center at 1-800-FORD-SVT (367-3788) for specific winter tire recommendations.

TIRE PRESSURE MONITORING SYSTEM

Tire Pressure Monitoring System Reset Procedure

You must perform the tire pressure monitoring system reset procedure after each tire rotation on vehicles with different recommended front and rear tire pressures. This procedure provides the tire pressure monitoring system with the location of each tire so it can detect and properly warn of low tire pressures.

WARNING

To determine the required pressure(s) for your vehicle, see the Safety Compliance Certification Label (affixed to either the door hinge pillar, door-latch post, or the door edge that meets the door-latch post, next to the driver's seating position), or Tire Label located on the B-Pillar or the edge of the driver's door.

System reset tips:

- To reduce the chances of interference from another vehicle, perform the system reset procedure at least three feet (one meter) away from another Ford Motor Company vehicle undergoing the system reset procedure at the same time.
- Do not wait more than two minutes between resetting each tire sensor or the system will time-out and you will need to repeat the entire procedure on all four wheels.
- A double horn will sound indicating the need to repeat the procedure.

Performing the System Reset Procedure

Read the entire procedure before attempting.

1. Drive the vehicle above 20 mph (32 km/h) for at least two minutes, then park in a safe location where you can easily get to all four tires and have access to an air pump.
2. Place the ignition in the off position and keep the key in the ignition (vehicles with keys only).
3. Turn the ignition on.

4. Turn the hazard flashers on then off three times. You must accomplish this within 10 seconds. If you have entered the reset mode successfully, the horn will sound once, the system indicator will flash and a message appears in the information display. If this does not occur, please try again starting at Step 2. If after repeated attempts to enter the reset mode, the horn does not sound, the system indicator does not flash and no message is shown in the information display, seek service from your authorized dealer.
5. Train the tire pressure monitoring system sensors in the tires using the following system reset sequence. Start with the left front tire in the following clockwise order: left front (driver's side front tire), right front (passenger's side front tire), right rear (passenger's side rear tire), and left rear (driver's side rear tire).
6. Remove the valve cap from the valve stem on the left front tire. Decrease the air pressure until the horn sounds. **Note:** The horn will sound once when the module learns the sensor identification code for this position. If you hear the horn sound twice, the reset procedure was unsuccessful, and you must repeat the entire procedure.
7. Remove the valve cap from the valve stem on the right front tire. Decrease the air pressure until the horn sounds.
8. Remove the valve cap from the valve stem on the right rear tire. Decrease the air pressure until the horn sounds.
9. Remove the valve cap from the valve stem on the left rear tire. Decrease the air pressure until the horn sounds. Training is complete after the horn sounds for the last tire trained (driver's side rear tire), the system indicator stops flashing, and a message is shown in the information display.
10. Turn the ignition off. If you hear the horn sound twice, the reset procedure was unsuccessful and you must repeat it. If after repeating the procedure and you hear the horn sound twice when you turn the ignition off, seek assistance from your authorized dealer.
11. Set all four tires to the recommended air pressure as indicated on the Safety Compliance Certification Label (affixed to either the door hinge pillar, door-latch post, or the door edge that meets the door-latch post, next to the driver's seating position) or Tire Label located on the B-Pillar or the edge of the driver's door.

CHANGING A ROAD WHEEL

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

Full Size Spare

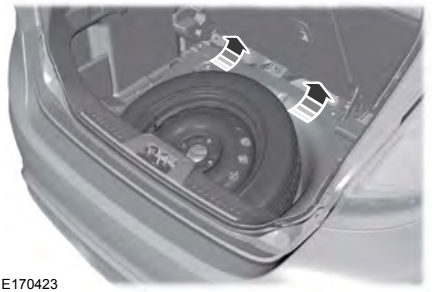
Your ST vehicle is equipped with a full-size, spare tire assembly. Although the spare is a traditional, full size tire (as opposed to a mini-spare), it is different in both size and handling characteristics from the standard Fiesta ST performance tire. If you need to install the spare tire, you must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

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

The following 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.

Spare tire	-
Size	185/60 R15
Speed rating	H
Load rating	84
Usage	All season
Wheel	15 in. x 6.0 in., 47.5 mm offset steel wheels

Removing the Spare Tire



E170423

To remove the wheel:

1. Lift the front of the wheel by gripping it firmly and pulling up. The wheel is a tight fit in the spare wheel well.
2. Remove the spare tire.

E170424

To reinstall the wheel:

1. Place the wheel in the spare wheel well.
2. Push down firmly on the front of the tire to fit it in the spare wheel well. The wheel is a tight fit in the spare wheel well.

Wheel Lug Nut Torque Specifications

WARNING

When a wheel is installed, always remove any corrosion, dirt or foreign materials present on the mounting surfaces of the wheel or the surface of the wheel hub, brake drum or brake disc that contacts the wheel. Make sure that any fasteners that attach the rotor to the hub are secured so they do not interfere with the mounting surfaces of the wheel. Installing wheels without correct metal-to-metal contact at the wheel mounting surfaces can cause the wheel nuts to loosen and the wheel to come off while the vehicle is in motion, resulting in loss of control.

Retighten the lug nuts to the specified torque at 500 miles (800 kilometers) after any wheel disturbance (such as tire rotation, changing a flat tire, wheel removal).

Bolt size	lb-ft (Nm)*
M12 x 1.5	100 (135)

Torque specifications are for nut and bolt threads free of dirt and rust. Use only Ford recommended replacement fasteners.

TECHNICAL SPECIFICATIONS

Wheel specifications	
Diameter and width	17 in. x 7.0 in.
Offset	47.5 mm
Backspacing	5.8 in. (149.5 mm)
Center bore	63.3 mm
Weight	22.5 lb. (10.2 kg)

MOTORCRAFT PARTS

Component	1.6L EcoBoost engine
Engine oil filter	FL-910-S
Engine air filter	FA-1908
Engine fuel filter	Service for life
Spark plug	CYFS12Y2 (100000 mile service)

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.

TECHNICAL SPECIFICATIONS

Item	Capacity	Ford part name or equivalent	Ford part number / Ford specification
Brake fluid[1]	Between MAX and MIN on reservoir	Motorcraft DOT 4 Low Viscosity High Performance Motor Vehicle Brake Fluid	PM-20 / WSS-M6C65-A2
Engine oil (with filter change)[2]	4.3 qt (4.1 L)	Motorcraft SAE 5W-20 Premium Synthetic Blend Motor Oil or equivalent	XO-5W20-QSP (U.S.) CXO-5W20-LSP12 (Canada) / WSS-M2C945-A
		Motorcraft SAE 5W-20 Full Synthetic Motor Oil	XO-5W20-QFS (U.S.) CXO-5W20-LFS12 (Canada) / WSS-M2C945-A

Item	Capacity	Ford part name or equivalent	Ford part number / Ford specification
Engine coolant[3]	6.1 qt (5.8 L)	Motorcraft Orange Antifreeze/Coolant Prediluted	VC-3DIL-B (U.S.) CVC-3DIL-B (Canada) / WSS-M97B44-D2
Transmission fluid	1.7 qt (1.6 L)	Motorcraft Dual Clutch Transmission Fluid	XT-11-QDC WSS-M2C200-D2

[1]Use only Motorcraft DOT 4 Low Viscosity High Performance Brake Fluid or equivalent meeting WSS-M6C65-A2. Use of any fluid other than the recommended fluid may cause brake system damage.

[2] We recommend Motorcraft motor oil for your vehicle. If Motorcraft oil is not available, use motor oils of the recommended viscosity grade that meet API SN requirements and display the API Certification Mark for gasoline engines. An oil that displays this symbol conforms to current engine, emission system and fuel economy performance standards of the International Lubricants Specification Advisory Council (ILSAC). 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 your vehicle warranty.

[3]Add the coolant type originally equipped in your vehicle.

Description	Code
Ford B6 6-speed manual transaxle	BT

BASE WARRANTY

Your ST vehicle carries the same warranty as other Ford Fiesta 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 150000 mile (240000 kilometer) 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.

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