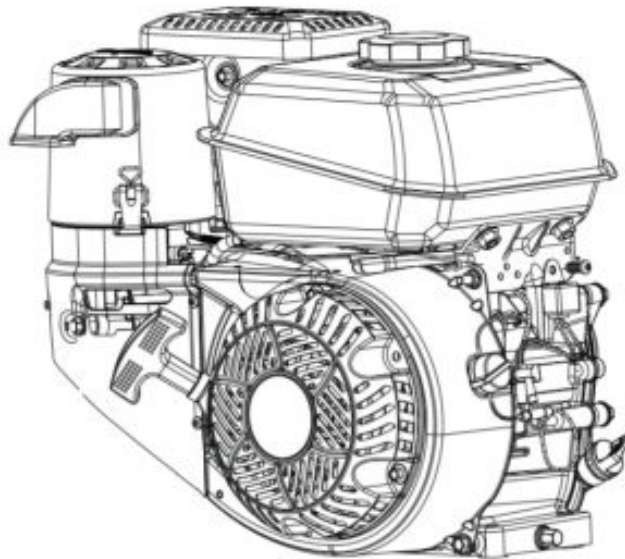




## KOHLER CH395DF Engine Command Pro Owner's Manual

[Home](#) » [Kohler](#) » KOHLER CH395DF Engine Command Pro Owner's Manual 

### **KOHLER** Command PRO CH395DF Engine Command Pro Owner's Manual



#### **IMPORTANT:**

Read all safety precautions and instructions carefully before operating equipment. Refer to operating instruction of equipment that this engine powers. Ensure engine is stopped and level before performing any maintenance or service.

Warranty coverage as outlined in the warranty card and on [KohlerEngines.com](http://KohlerEngines.com). Please review carefully as it provides your specific rights and obligations.

To maintain compliance with applicable emission regulations, exhaust system backpressure may not exceed limits which can be found on KohlerEngines.com.

Search by Model No., then select the Specs tab.

Kohler Engines has published CO2 values on the KohlerEngines.com website.

Record engine information to reference when ordering parts or obtaining warranty coverage.

Engine Model \_\_\_\_\_

Specification \_\_\_\_\_

Serial Number \_\_\_\_\_

Purchase Date \_\_\_\_\_

## Contents

- 1 Safety Precautions
- 2 Starting
- 3 Maintenance Schedule
- 4 Check Oil Level
- 5 Change Oil
- 6 Oil Sentry™ (if equipped)
- 7 Reduction Systems (if equipped)
- 8 Fuel Recommendations
- 9 Air Cleaner
- 10 Repairs/Service Parts
- 11 Troubleshooting
- 12 Emission Control System
- 13 Documents / Resources
- 14 Related Posts

## Safety Precautions



**WARNING:** A hazard that could result in death, serious injury, or substantial property damage.



**CAUTION:** A hazard that could result in minor personal injury or property damage.

**NOTE:** this is used to notify people of important installation, operation, or maintenance information.



### WARNING

Explosive Fuel can cause fires and severe burns.  
Do not fill fuel tank while the engine is hot or running.

Gasoline is extremely flammable and its vapors can explode if ignited. Store gasoline only in approved containers, in well-ventilated, unoccupied buildings, away from sparks or flames. Spilled fuel could ignite if it comes in contact with hot parts or sparks from the ignition. Never use gasoline as a cleaning agent.



### WARNING

Rotating Parts can cause severe injury.  
Stay away while the engine is in operation.


Keep hands, feet, hair, and clothing away from all moving parts to prevent injury. Never operate the engine with covers, shrouds, or guards removed.





### WARNING

Carbon Monoxide can cause severe nausea, fainting, or death.  
Avoid inhaling exhaust fumes. Never run engines indoors or in enclosed spaces.







Engine exhaust gases contain poisonous carbon monoxide. Carbon monoxide is odorless, colorless, and can cause death if inhaled.

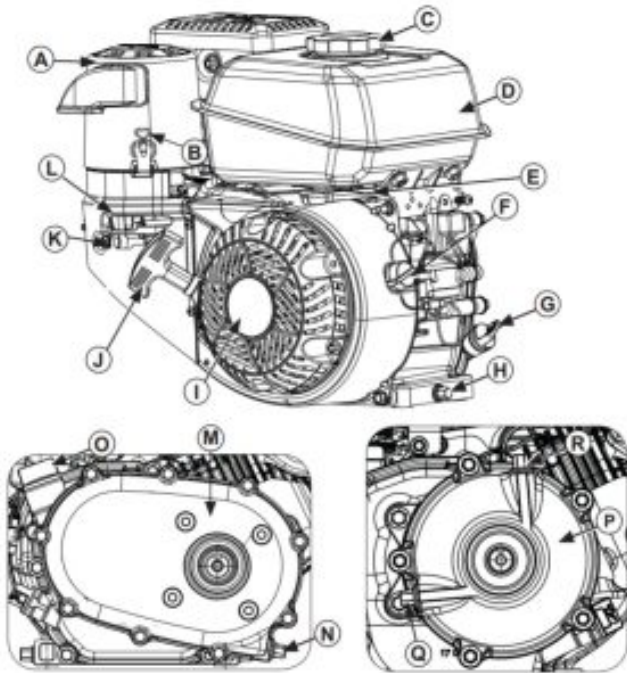
	<p><b>⚠ CAUTION</b></p>
	<p>Electrical Shock can cause injury. Do not touch wires while the engine is running.</p>

	<p><b>⚠ WARNING</b></p>
	<p>Accidental Starts can cause severe injury or death. Disconnect and ground spark plug lead(s) before servicing.</p>
	<p>Before working on the engine or equipment, disable the engine as follows: 1) Disconnect spark plug lead(s). 2) Disconnect negative (–) battery cable from battery.</p>

	<p><b>⚠ WARNING</b></p>
	<p>Hot Parts can cause severe burns. Do not touch the engine while operating or just after stopping.</p>
	<p>Never operate the engine with heat shields or guards removed.</p>

**⚠ WARNING:** This product can expose you to chemicals including carbon monoxide and benzene, which are known to the State of California to cause cancer and birth defects, or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

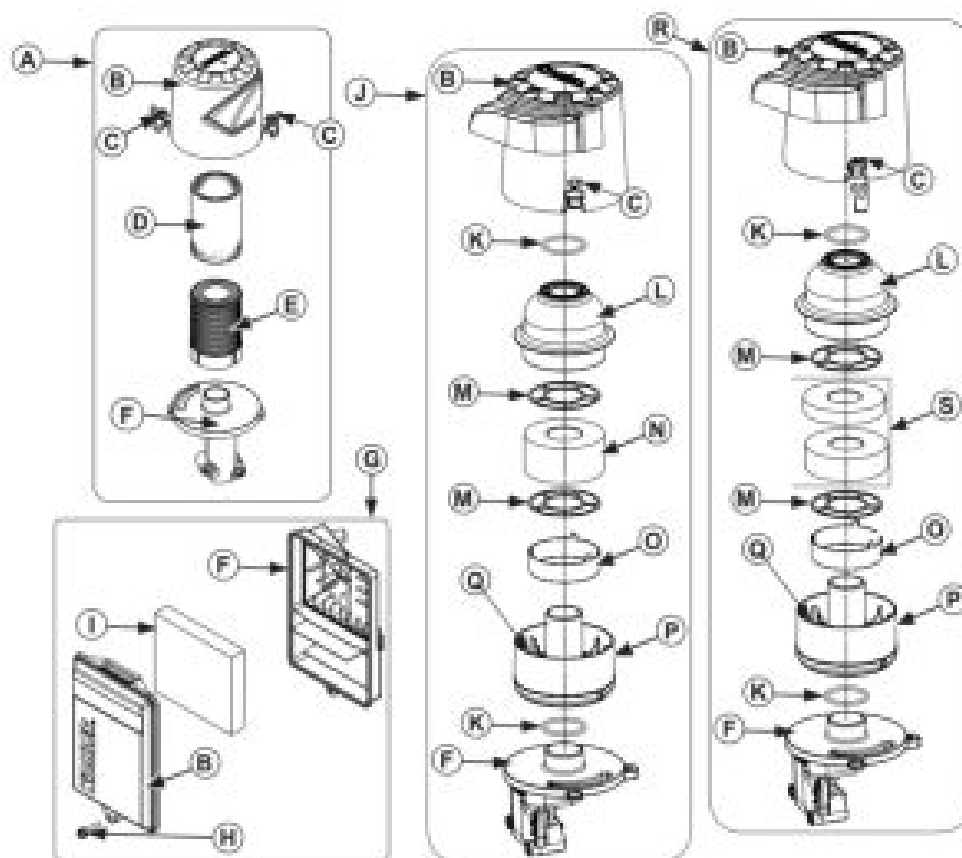
					
Fuel	Off	On	Choke	Fast	Slow



A	Air Cleaner Cover	B	Bail	C	Fuel Cap	D	Fuel Tank
E	Throttle Lever	F	On/Off Switch (if equipped)	G	Dipstick/Oil Fill Plug	H	Oil Drain Plug
I	Retractable Starter	J	Starter Handle	K	Fuel Shut-Off (and Ignition, if equipped)	L	Choke Lever
M	2:1 with Clutch Reduction System (CH245, CH255, CH270, CH395, CH440)	N	Drain Plug	O	Gear Box Dipstick	P	6:1 Reduction System (CH245, CH255, CH270)
Q	Oil Level/Drain Plug	R	Oil Fill Plug				

See next page for exploded view of air cleaner systems.

Visit [KohlerEngines.com](http://KohlerEngines.com) for service parts information and purchasing options.





A	Quad-Clean™ Air Cleaner	B	Air Cleaner Cover	C	Bail	D	Precleaner
E	Paper Element	F	Air Cleaner Base	G	Low-Profile Air Cleaner	H	Screw
I	Foam Element	J	CH270 Oil Bath Air Cleaner	K	O-Ring	L	Foam Filter Cover
M	Foam Filter Support Plate	N	Foam Filter	O	Oil Retainer Ring	P	Oil Reservoir Cup
Q	Oil Level Mark	R	CH395/CH440 Oil Bath Air Cleaner	S	Foam Element Kit		

### Pre-Start Checklist

1. Check oil level. Add oil if low. Do not overfill.
2. Check fuel level. Add fuel if low. Check fuel system components and lines for leaks.
3. Check and clean cooling areas, air intake areas, and external surfaces of the engine (particularly after storage).
4. Check that the air cleaner component and all shrouds, equipment covers, and guards are in place and securely fastened.
5. Check spark arrestor (if equipped).
6. If equipped with an oil bath air cleaner, check the oil level in the oil reservoir cup; add oil if below the oil level mark; do not overfill; inspect for leaks. See Oil Bath Air Cleaner.

### Starting

	<b>WARNING</b>
	Carbon Monoxide can cause severe nausea, fainting or death. Avoid inhaling exhaust fumes. Never run engines indoors or in enclosed spaces.
Engine exhaust gases contain poisonous carbon monoxide. Carbon monoxide is odorless, colorless, and can cause death if inhaled.	

	<b>WARNING</b>
	Rotating Parts can cause severe injury. Stay away while the engine is in operation.
Keep hands, feet, hair, and clothing away from all moving parts to prevent injury. Never operate the engine with covers, shrouds, or guards removed.	

**NOTE:** Choke position for starting may vary depending upon temperature and other factors. Once the engine is running and warm, turn to choke to OFF position.

**NOTE:** Extend the starter cord periodically to check its condition. If the cord is frayed have it replaced immediately by a Kohler authorized dealer.

**NOTE:** Do not crank the engine continuously for more than 10 seconds. Allow a 60 second cool-down period between starting attempts. Failure to follow these guidelines can burn out the starter motor.

**NOTE:** If the engine develops sufficient speed to disengage starter but does not keep running (a false start), engine rotation must be allowed to come to a complete stop before attempting to restart the engine. If the starter is engaged while the flywheel is rotating, the starter pinion and flywheel ring gear may clash, resulting in damage to the starter.

1. Turn fuel shut-off valve to ON position (if equipped).
2. Turn engine on/off switch to ON position (if equipped).
3. Start engine as follows:

Cold engine: Place throttle control midway between SLOW and FAST positions. Place choke control into ON position.

Warm engine: Place throttle control midway between SLOW and FAST positions. Return choke to OFF position as soon as the engine starts. A warm engine usually does not require a choke on.

4. Retractable Start: Slowly pull starter handle until just past compression-STOP! Return starter handle; firmly pull straight out to avoid excessive rope wear from starter rope guide. Electric Start: Activate the starter switch. Release switch as soon as the engine starts. If the starter does not turn the engine over, shut the off starter immediately. Do not make further attempts to start the engine until the condition is corrected. Do not jump start. See your Kohler authorized dealer for trouble analysis.
5. Gradually return choke control to the OFF position after the engine starts and warms up. Engine/equipment may be operated during the warm-up period, but it may be necessary to leave the choke partially on until the engine warms up.

### **Cold Weather Starting Hints**

1. Use proper oil for the temperature expected.
2. Disengage all possible external loads.
3. Use fresh winter-grade fuel. Winter grade fuel has higher volatility to improve starting.

### **Stopping**

1. If possible, remove load by disengaging all PTO-driven attachments.
2. If equipped, move throttle control to the slow or idle position; stop the engine.
3. If equipped, close the fuel shut-off valve.

### **Angle of Operation**

Refer to operating instructions of equipment this engine powers. Do not operate this engine exceeding the maximum angle of operation; see specification table. Engine damage could result from insufficient lubrication.

### **Engine Speed**

**NOTE:** Do not tamper with the governor set to increase maximum engine speed. Overspeed is hazardous and will void the warranty.

### **High Altitude Operation**

If this engine is operated at an altitude of 4000 ft. (1219 meters) or above, a high-altitude carburetor kit is required. To obtain high-altitude carburetor kit information or to find a Kohler authorized dealer, visit KohlerEngines.com or call 1-800-544-2444 (U.S. and Canada).

This engine should be operated in its original confi duration below 4000 ft. (1219 meters).

Operating this engine with the wrong engine confi duration at a given altitude may increase its emissions, decrease fuel efficiency and performance, and result in damage to the engine.

**Carburetor Icing**

**NOTE:** Running the engine with a cover positioned for cold weather operation in normal conditions can damage the engine.



Carburetor icing can take place when certain combinations of temperature and humidity exist.

The result of carburetor icing is rough running at idle or low speed as well as black or white smoke.

To reduce the likelihood of carburetor icing, the air cleaner cover can be rotated to draw warmer air from muffl er side. For cold weather operation, position air cleaner cover with snowfl ake decal out.

For normal operation, position air cleaner cover with sun decal out.

**Maintenance Instructions**

	<b>WARNING</b>	<p>Before working o n the engine or e quipment, disable the engine as foll ows: 1) Disconne ct spark plug lead(s). 2) Disconnect negat ive (–) battery ca ble from battery.</p>
	 <p>Accidental Starts can cause severe injury or death. Disconnect and ground spark plug lead(s) before servicing.</p>	

Normal maintenance, replacement or repair of emission control devices and systems may be performed by any repair establishment or individual; however, warranty repairs must be performed by a Kohler authorized dealer found at [KohlerEngines.com](http://KohlerEngines.com) or 1-800-544-2444 (U.S. and Canada).

**Maintenance Schedule**

**After fi rst 5 Hours**

- Change engine oil (NOT required if using KOHLER PRO 10W-50 full-synthetic oil).

**Every 8 Hours**

- Check oil bath air cleaner oil level in oil reservoir cup (if equipped).

**Every 50 Hours**

- Change oil in 2:1 with Clutch Reduction System (CH245, CH255, CH270, CH395, CH440).

**Every 50 Hours<sup>1</sup>**

- Service/replace oil bath air cleaner foam filter or foam elements (if equipped).

Every 50 Hours or Annually (whichever comes first)

- Service/replace Quad-Clean™ precleaner.

### **Every 100 Hours or Annually<sup>1</sup> (whichever comes first)**

- Clean low-profile air cleaner element.
- Change engine oil.
- Clean cooling areas.

### **Every 200 Hours**

- Replace Quad-Clean™ air cleaner element.

### **Every 300 Hours**

- Replace low-profile air cleaner element.
- Check fuel filters (tank outlet filter and in-line filter) and clean or replace if needed (if equipped).
- Change oil in 6:1 Reduction System (CH245, CH255, CH270).

### **Every 300 Hours<sup>2</sup>**

- Check and adjust valve clearance when the engine is cold.

### **Every 300 Hours<sup>3</sup>**

- Change engine oil (KOHLE<sup>R</sup> PRO 10W-50 oil only).

### **Every 500 Hours or Annually<sup>1</sup> (whichever comes first)**

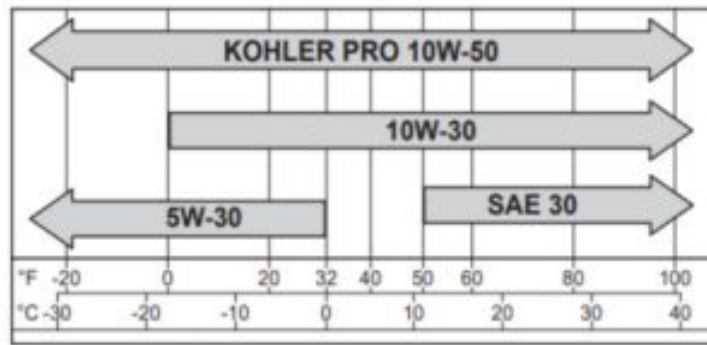
- Replace the spark plug and set the gap.
  1. Perform these procedures more frequently under severe, dusty, dirty conditions.
  2. Have a Kohler authorized dealer perform this service.
  3. The option only if using KOHLE<sup>R</sup> PRO oil.

### **Oil Recommendations**

All-season KOHLE<sup>R</sup> PRO 10W-50 Synthetic Oil is the ideal oil for KOHLE<sup>R</sup> engines. It is specifically formulated to extend the oil change interval to 300 Hours. Contact your Kohler authorized dealer for availability.

300-Hour oil change intervals are exclusive to and only authorized on KOHLE<sup>R</sup> engines that utilize the KOHLE<sup>R</sup> PRO 10W-50 Synthetic Oil. Alternative engine oils may be used with KOHLE<sup>R</sup> engines but require 100-Hour oil change intervals for proper maintenance. Oil must be API (American Petroleum Institute) service class SJ or higher. Select viscosity based on air temperature at the time of operation as shown below.





## Check Oil Level

**NOTE:** To prevent extensive engine wear or damage, never run the engine with the oil level below or above the operating range indicator on the dipstick.

Ensure the engine is cool and level. Clean oil filler/dipstick areas of any debris.

1. Remove dipstick; wipe oil off.
2. Reinsert the dipstick into the tube; rest on the oil fill neck; turn counterclockwise until the cap drops down to the lowest point of thread leads; do not thread the cap onto the tube.
  - a. Remove dipstick; check the oil level.  
 For CH260/CH270 engines, the oil level should be at the middle of the indicator on the dipstick.  
 For all other models, the oil level should be at top of the indicator on the dipstick.  
 or
    - b. Remove oil filler plug.  
 For CH260/CH270 engines, the oil level should be to the middle of filler neck threads.  
 For all other models, the oil level should be up to point of overflowing filler neck.
3. If oil is low, add oil to specified level on dipstick or filler neck threads for engine being serviced. See step 2.
4. Reinstall dipstick or oil filler plug and tighten securely.

## Change Oil

**Change oil while the engine is warm.**

1. Clean area around oil filler cap/dipstick and drain plug.
2. Remove the drain plug and oil filler cap/dipstick.  
 Drain oil completely.
3. Reinstall drain plug. Torque to 13 ft. lb.  
 (17.6 N·m).
4. Fill crankcase with new oil to specified level on dipstick or filler neck threads for engine being serviced. See Check Oil Level.
5. Reinstall oil filler cap/dipstick and tighten securely.
6. Dispose of used oil in accordance with local ordinances.

## Oil Sentry™ (if equipped)

This switch is designed to prevent the engine from starting in a low oil or no oil condition. Oil Sentry™ may not shut down a running engine before damage occurs. In some applications, this switch may activate a warning signal. Read your equipment manuals for more information.

## **Reduction Systems (if equipped)**

Some engines are equipped with a gear reduction system. Follow maintenance and oil change information specified in this section and maintenance schedule.

### **Reduction System (CH270)**

This reduction system is lubricated by engine crankcase oil. No special maintenance or service is necessary. Check and maintain engine oil level as outlined in Check Oil Level.

2:1 with Clutch Reduction System (CH245, CH255, CH270, CH395, CH440)

**NOTE:** Engines with this reduction system must be operated at 2400 RPM or higher under load when full gearbox engagement occurs. The operating engine under heavy loads below 2400 RPM, could result in clutch/gearbox failure from disc slippage/overheating and insufficient engine cooling, not covered under normal warranty.

This reduction system uses a clutch assembly and chain and sprocket drive system, independent of, and separated from main crankcase lubrication. Check and maintain oil level using a dipstick in the gearbox case. Change reduction system oil at intervals in the maintenance schedule. Use 20W-40 or 20W-50 oil in this gearbox case. The oil capacity of this gearbox is 0.5 L (0.52 U.S. qt.).

1. Drain old oil out through the oil drain plug of the gearbox cover, tip engine as required. Reinstall the drain plug and tighten it securely.
2. The engine must be level. Add new 20W-40 or 20W-50 oil through oil dipstick hole on top of gear box case until oil level is up to the bottom of the mark on the oil dipstick in a gear box case. Reinstall dipstick securely into gear box cover.

### **Reduction System (CH245, CH255, CH270)**

This reduction system uses an internal pinion and ring gear system, independent of and separated from main crankcase lubrication.



Check and maintain oil level using oil level/ drain plug hole in gearbox case. Change reduction system oil at intervals in the maintenance schedule. The oil capacity of this gearbox is 0.12 L (0.13 U.S. qt.).

1. Drain old oil out through oil level/drain plug, tip engine as required.
2. The engine must be level. Add new oil through oil fill plug hole on top until oil level is up to the bottom of oil level/drain plug hole. Reinstall both plugs and tighten securely.

### **Reduction System (CH395, CH440)**

This reduction system is lubricated by engine crankcase oil. No special maintenance or service is necessary. Check and maintain engine oil level as outlined in Check Oil Level.



## **Fuel Recommendations**

	 <b>WARNING</b>
	Explosive Fuel can cause fi to resand severe burns. Do not fi ll fuel tank while the engine is hot or running.

Gasoline is extremely flammable and its vapors can explode if ignited. Store gasoline only in approved containers, i well-ventilated, unoccupied buildings, away from sparks or fl games. Spilled fuel could ignite if it comes in contact w hot parts or sparks from the ignition. Never use gasoline as a cleaning agent.

**NOTE:** E15, E20, and E85 are NOT approved and should NOT be used; effects of old, stale, or contaminated fuel are not warrantable.  
Fuel must meet these requirements:

- Clean, fresh, unleaded gasoline.
- The octane rating of 87 (R+M)/2 or higher.
- Research Octane Number (RON) 90 octane minimum.
- Gasoline up to 10% ethyl alcohol, 90% unleaded is acceptable.
- Methyl Tertiary Butyl Ether (MTBE) and unleaded gasoline blend (max 15% MTBE by volume) are approved.
- Do not add oil to gasoline.
- Do not overfi ll fuel tank.
- Do not use gasoline older than 30 days.

	 <b>WARNING</b>
	Explosive Fuel can cause fi resand severe burns. Do not fi ll fuel tank while engine is hot or running.

Gasoline is extremely flammable and its vapors can explode if ignited. Store gasoline only in approved containers, i well-ventilated, unoccupied buildings, away from sparks or fl games. Spilled fuel could ignite if it comes in contact w hot parts or sparks from the ignition. Never use gasoline as a cleaning agent.

Nominal Fuel Tank Volume	
CH245, CH255	2.75 qt. (2.6 L)
CH260, CH270	4.02 qt. (3.8 L)
CH395, CH440	7.19 qt. (6.8 L)

**Ensure engine is cool.**

1. Clean area around the fuel cap.
2. Remove fuel cap. Fill to the base of filler neck.  
Do not overfill fuel tank. Leave room for fuel to expand.
3. Reinstall the fuel cap and tighten it securely.



### Fuel Line

A low permeation fuel line must be installed on carbureted Kohler Co. engines to maintain EPA and CARB regulatory compliance.

### Fuel Valve

Engines are equipped with a fuel valve and integral screen filter located at the inlet of the carburetor. It controls and filters fuel flow from tank to carburetor. Clean fuel valve cup of debris.

1. Remove two nuts, two screws, and a carburetor cover panel.
2. Turn fuel valve lever to OFF position.
3. Remove fuel valve cup. Remove O-ring and filter screen.
4. Clean screen and fuel valve cup with solvent and wipe it off.
5. Check screen and O-ring, replace if damaged.
6. Reinstall O-ring followed by fuel valve cup.  
Rotate the fuel valve cup until it is finger tight.  
Turn with a wrench 1/2 to 3/4 full turn.
7. Turn the fuel valve to the ON position and check for leaks. If the fuel valve leaks repeat steps 5 & 6.
8. Tighten the fuel cap securely.
9. Reinstall carburetor cover panel securing with hardware removed in step 1.

	<div data-bbox="874 1240 1098 1330">  <b>CAUTION</b> </div> <p>Electrical Shock can cause injury. Do not touch wires while the engine is running.</p>
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Clean out spark plug recess. Remove plug and replace.

1. Check gap using a wire feeler gauge. Adjust gap, see specification table for adjustment.
2. Install plug into the cylinder head.
3. Torque plug to 20 ft. lb. (27 N·m).

### Air Cleaner

**NOTE:** Running the engine with a cover positioned for cold weather operation in normal conditions can damage the engine.

**NOTE:** Operating an engine with loose or damaged air cleaner components could cause premature wear and failure. Replace all bent or damaged components.

**NOTE:** Paper elements cannot be blown out with compressed air.

**Quad-Clean™**

Move bails on air cleaner cover down; remove latches from under tabs on the base; remove the cover.  
or

Turn air cleaner cover (counterclockwise) to release tabs inside cover from base; remove the cover.

**Precleaner:**

1. Remove precleaner from the paper element.
2. Replace or wash precleaner in warm water with detergent. Rinse and allow to air dry.
3. Lightly oil precleaner with new engine oil; squeeze out excess oil.
4. Reinstall the precleaner over the paper element.

**Paper Element:**

1. Separate precleaner from element; service precleaner and replace the paper element.
2. Install new paper element on the base; install precleaner over the paper element.

Position air cleaner cover for normal operation (sun decal out) or cold weather operation (snowflake decal out).  
Place latches under tabs on the base; lift up bails to secure cover.

or

Turn air cleaner cover (clockwise) to secure tabs inside cover in base.

**Low-Profile**

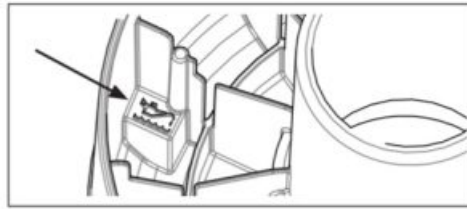
1. Remove the screw and air cleaner cover.
2. Remove foam element from the base.
3. Wash foam elements in warm water with detergent. Rinse and allow to air dry.
4. Lightly oil foam element with new engine oil; squeeze out excess oil.
5. Reinstall foam element into the base.
6. Reinstall the cover and secure with the screw.

**Oil Bath**

Some engines are equipped with an oil bath air cleaner. Follow maintenance and oil change information specified in this section and in the Maintenance Schedule.

Move bails on air cleaner cover down; remove latches from under tabs on the base; remove the cover.

1. Remove foam filter cover from oil reservoir cup. Remove foam filter support plate and foam filter or foam elements.
2. CH270 engines: Replace or wash foam filter in warm water with detergent. Rinse and allow to air dry.  
CH395/CH440 engines: Replace or wash foam elements in warm water with detergent. Rinse and allow to air dry.
3. Lightly oil foam filter or foam elements with new engine oil; squeeze out excess oil.
4. Remove foam filter support plate and oil retainer ring from oil reservoir cup.
5. Remove oil reservoir cup from the base. Empty oil from cup and wash cup in warm water with detergent. Rinse and dry cup.
6. Make sure the O-ring is in place on the air cleaner base. Set oil reservoir cup on the base.
7. Fill oil reservoir cup up to oil level mark with the same grade of oil as in crankcase. See Oil Recommendations.



8. Reinstall oil retainer ring and foam filter support plate in oil reservoir cup.
  9. CH270 engines: Reinstall foam filter on oil reservoir cup. Place foam filter support plate on filter. Reinstall foam filter cover. Make sure the O-ring is in place on top of the filter cover. CH395/CH440 engines: Reinstall taller foam element first, then shorter foam element on oil reservoir cup. Place foam filter support plate on elements. Reinstall foam filter cover. Make sure the O-ring is in place on top of the filter cover.
- Position air cleaner cover for normal operation (sun decal out) or cold weather operation (snowflake decal out). Place latches under tabs on the base; lift up bails to secure cover.

### Breather Tube

Ensure both ends of the breather tube are properly connected.

	<div style="text-align: center;"> <b>WARNING</b> </div> <p>Hot Parts can cause severe burns. Do not touch the engine while operating or just after stopping.</p>
<p>Never operate the engine with heat shields or guards removed.</p>	

Proper cooling is essential. To prevent overheating, clean screens, cooling fins, and other external surfaces of the engine. Avoid spraying water at the wiring harness or any electrical components. See Maintenance Schedule.

### Repairs/Service Parts

We recommend that you use a Kohler authorized dealer for all maintenance, service, and replacement parts for the engine. To find a Kohler authorized dealer visit [KohlerEngines.com](http://KohlerEngines.com) or call 1-800-544-2444 (U.S. and Canada).

### Troubleshooting

Do not attempt to service or replace major engine components, or any items that require special timing or adjustment procedures. This work should be performed by a Kohler authorized dealer.

Possible Cause								
Problem	No Fuel	Improper Fuel	Dirt I n Fuel Line	Dirty Debris Screen	Incorrect Oil Level	Engine Overloaded	Dirty Air Cleaner	Faulty Spark Plug
Will Not Start	•	•	•		•	•	•	•
Hard Starting		•	•		•	•	•	•
Stops Suddenly	•		•	•	•	•	•	•
Lacks Power		•	•	•	•	•	•	•
Operates Erratically		•	•	•		•	•	•
Knocks or Pings		•		•		•		•
Skips or Misfires		•	•	•			•	•
Backfires		•	•			•	•	•
Overheats		•	•	•	•	•	•	
High Fuel Consumption						•	•	•

Engine Specifications						
Model	Bore	Stroke	Displacement	Oil Capacity (Refill)	Spark Plug Gap	Maximum Angle of Operation (g full oil level)*
CH245	2.7 in. (68 mm)	1.9 in. (49 mm)	10.8 cu. in. (177 cc)	0.63 U.S. qt. (0.60 L)	0.030 in. (0.76 mm)	25°
CH255						
CH260	2.8 in. (70 mm)	2.1 in. (54 mm)	12.7 cu. in. (208 cc)			
CH270						
CH395, CH395DF, CH395TF	3.1 in. (78 mm)	2.3 in. (58 mm)	16.9 cu. in. (277 cc)	1.16 U.S. qt. (1.1 L)		
CH440, CH440DF	3.5 in. (89 mm)	2.7 in. (69 mm)	26.2 cu. in. (429 cc)			

\*Exceeding maximum angle of operation may cause engine damage from insufficient lubrication. Additional specification information can be found in the service manual at [KohlerEngines.com](http://KohlerEngines.com). Any and all horsepower (hp) references by Kohler are Certified Power Ratings and per SAE J1940 & J1995 hp standards. Details on Certified Power Ratings can be found at KohlerEngines.com.

## Emission Control System

Exhaust Emission Control System for models CH245, CH255, CH260, CH270, CH395, CH395DF, CH395TF, CH440, CH440DF is EM for U.S. EPA, California, and Europe. This engine is certified to operate on gasoline.

**NOTE:** Tampering with the engine and its emission control system voids the EPA Certificate of Conformity, ARB Executive Order, and EU type-approval.



## Documents / Resources