



# COLOR DIAGRAMS

## Table of Contents

---

40/50/60 EFI (4-Stroke) Tiller Handle Electric Wiring Diagram . . . . .	Page 8-3	40/50/60 EFI (4-Stroke) Fuel Flow Diagram . . . . .	Page 8-9
40/50/60 EFI (4-Stroke) Remote Control Electric Wiring Diagram . . . . .	Page 8-5	40/50/60 EFI (4-Stroke) Oil Flow Diagram . . . . .	Page 8-11
40/50/60 EFI (4-Stroke) Typical SmartCraft (CAN) Installation Wiring Diagram . . . . .	Page 8-7	40/50/60 EFI (4-Stroke) Water Flow Diagram . . . . .	Page 8-13

---



# Notes:

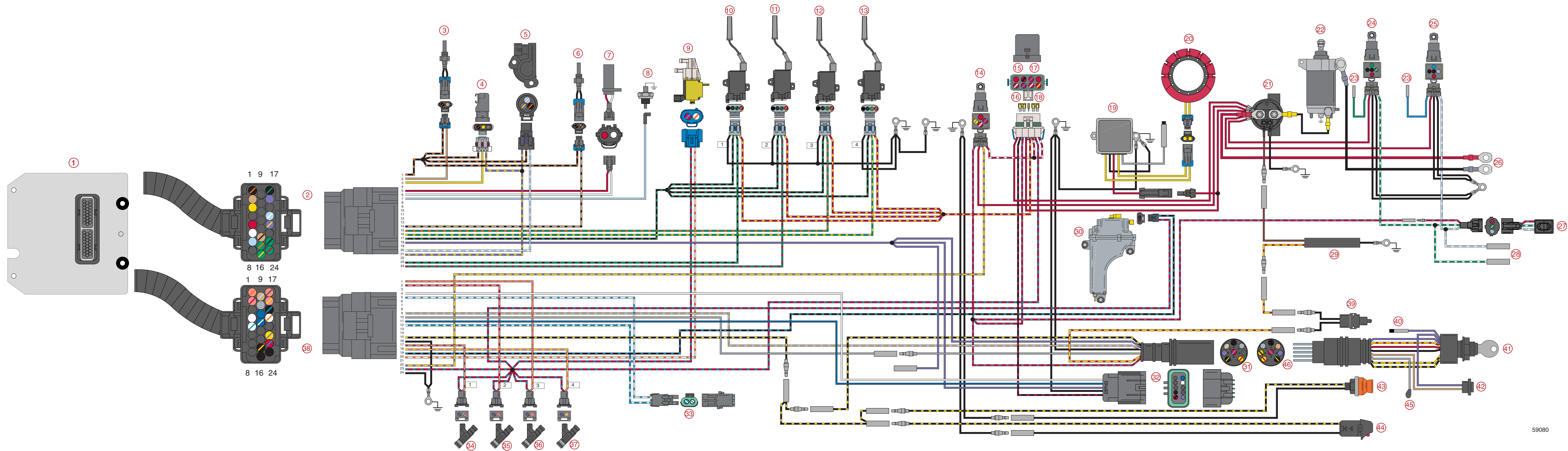


**40/50/60 EFI (4-STROKE)  
TILLER HANDLE ELECTRIC  
COLOR WIRING DIAGRAM  
2002 MODELS**



## 40/50/60 EFI (4-Stroke) Tiller Handle Electric 2002 Models

1. ECM
2. Starboard ECM Connector
3. Manifold Air Temperature (MAT) Sensor
4. Manifold Absolute Pressure (MAP) Sensor
5. Throttle Position Sensor (TPS)
6. Engine Coolant Temperature (ECT) Sensor
7. Crank Position Sensor (CPS)
8. Oil Pressure Switch
9. Idle Air Control (IAC) Valve
10. Ignition Coil (EST) #1
11. Ignition Coil (EST) #2
12. Ignition Coil (EST) #3
13. Ignition Coil (EST) #4
14. Main Power Relay
15. SmartCraft Data Bus Circuit - 15 amp. fuse
16. Fuel Pump/IAC/Injector Circuit - 20 amp. fuse
17. Main Power Relay/Accessory Circuit - 20 amp. fuse
18. Ignition Coil Circuit - 2 amp. fuse
19. Voltage Regulator/Rectifier
20. Stator
21. Start Solenoid
22. Starter
23. To Trim Motor
24. Trim Down Relay
25. Trim Up Relay
26. To 12 Volt Battery
27. Cowl Mounted Trim Switch
28. To Trim Connections on Remote Control Harness
29. Suppression Diode
30. Vapor Separator Tank
31. Engine Harness Connection
32. Data Bus (10 pin) Control Area Network (CAN)
33. DDT Connection
34. Fuel Injector #1
35. Fuel Injector #2
36. Fuel Injector #3
37. Fuel Injector #4
38. Port ECM Connector
39. Neutral Start Switch
40. 12 Volt Switched Auxiliary Power Source
41. Key Switch
42. Warning Horn
43. Push Button Stop Switch
44. Lanyard Stop Switch
45. Tachometer Signal
46. Tiller Handle Harness Connection



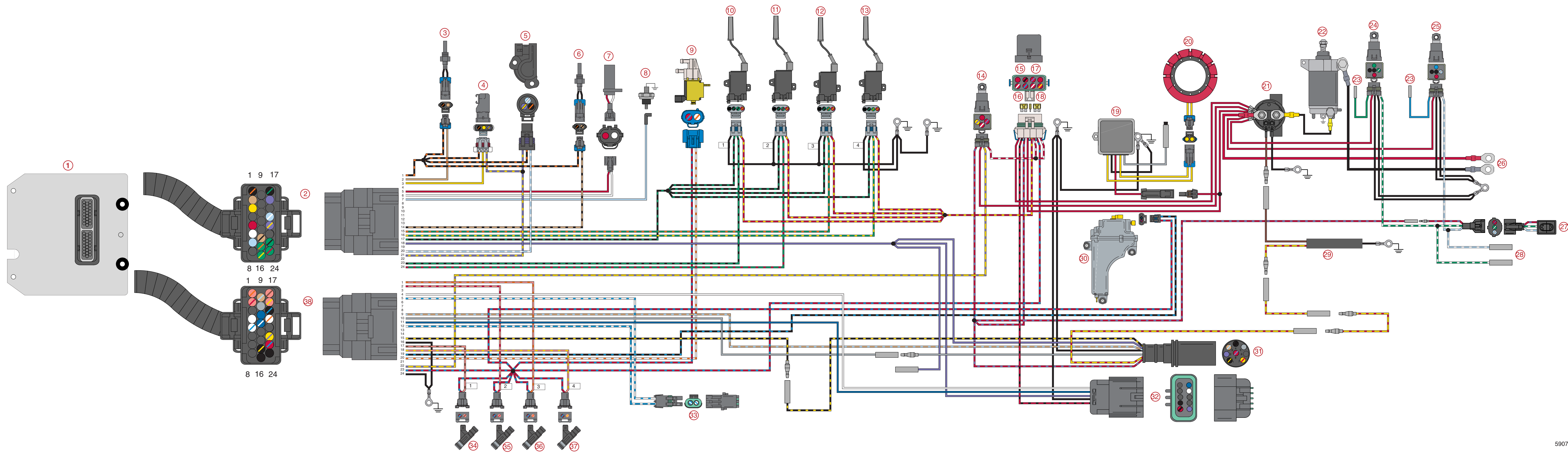


**40/50/60 EFI (4-STROKE)  
REMOTE CONTROL ELECTRIC  
COLOR WIRING DIAGRAM  
2002 MODELS**



## 40/50/60 EFI (4-Stroke) Remote Control Electric 2002 Models

1. ECM
2. Starboard ECM Connector
3. Manifold Air Temperature (MAT) Sensor
4. Manifold Absolute Pressure (MAP) Sensor
5. Throttle Position Sensor (TPS)
6. Engine Coolant Temperature (ECT) Sensor
7. Crank Position Sensor (CPS)
8. Oil Pressure Switch
9. Idle Air Control (IAC) Valve
10. Ignition Coil (EST) #1
11. Ignition Coil (EST) #2
12. Ignition Coil (EST) #3
13. Ignition Coil (EST) #4
14. Main Power Relay
15. SmartCraft Data Bus Circuit - 15 amp. fuse
16. Fuel Pump/IAC/Injector Circuit - 20 amp. fuse
17. Main Power Relay/Accessory Circuit - 20 amp. fuse
18. Ignition Coil Circuit - 2 amp. fuse
19. Voltage Regulator/Rectifier
20. Stator
21. Start Solenoid
22. Starter
23. To Trim Motor
24. Trim Down Relay
25. Trim Up Relay
26. To 12 Volt Battery
27. Cowl Mounted Trim Switch
28. To Trim Connections on Remote Control Harness
29. Suppression Diode
30. Vapor Separator Tank
31. Engine Harness Connection
32. Data Bus (10 pin) Control Area Network (CAN)
33. DDT Connection
34. Fuel Injector #1
35. Fuel Injector #2
36. Fuel Injector #3
37. Fuel Injector #4
38. Port ECM Connector





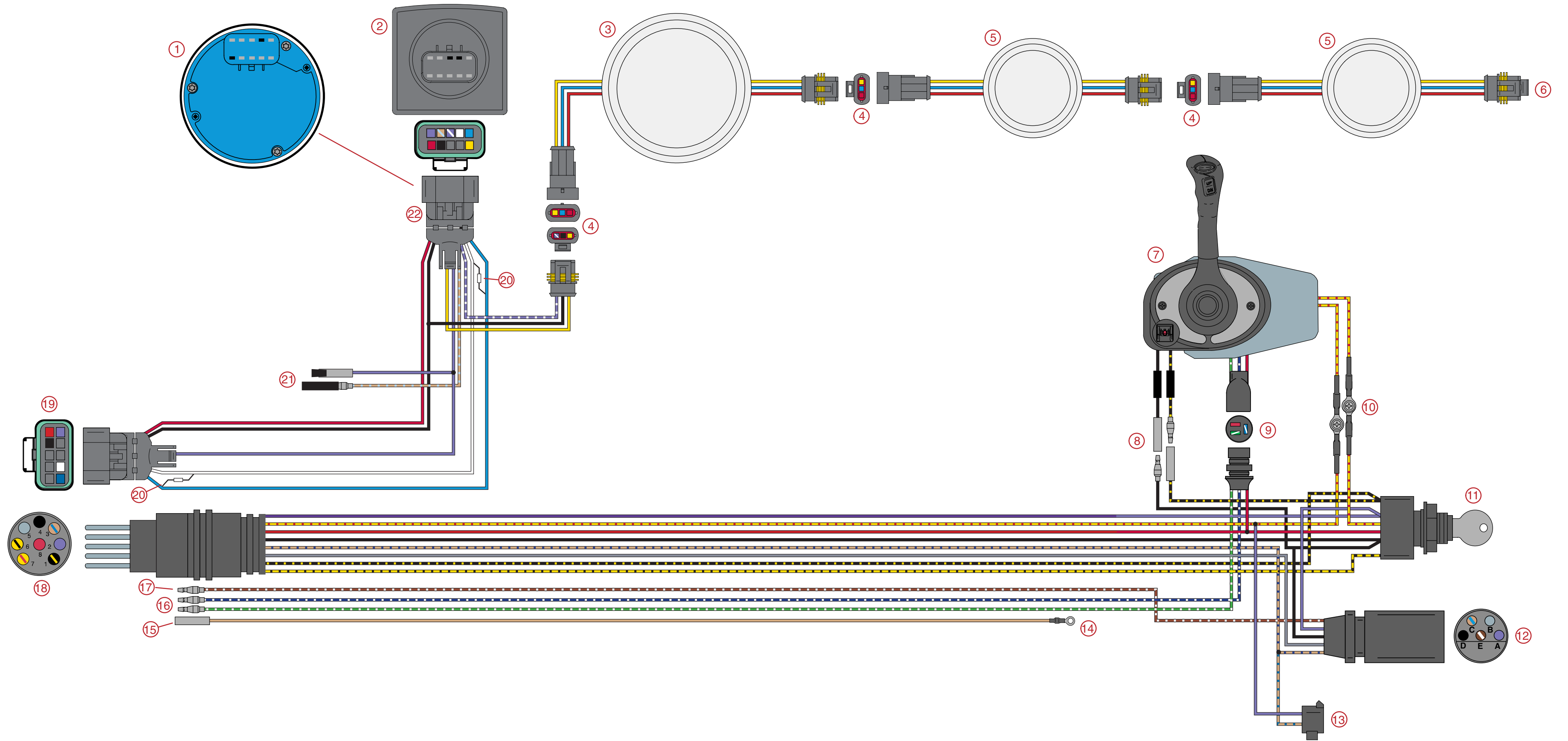


**40/50/60 EFI (4-STROKE)  
TYPICAL SMARTCRAFT (CAN) INSTALLATION  
2002 MODEL YEAR**



# 40/50/60 EFI (4-Stroke) Typical SmartCraft (CAN) Installation 2002 Models

1. System Tachometer (can be used in place of System Monitor and System Link Tachometer)
2. System Monitor
3. System Link Tachometer
4. System Link Series Connections
5. 2-1/4 in. System Link Gauges (Engine Temperature and Battery)
6. Series Connection for Additional System Link Gauges
7. 4000 Series Mechanical Panel Control (MPC 4000)
8. Connections for Lanyard Stop Switch
9. Connections for Power Trim Switch
10. Connections for Neutral Start Safety Switch
11. Ignition Key Switch
12. Analog Tachometer Harness (Not Used on CAN Installation)
13. Warning Horn
14. Analog Temperature Gauge Connection
15. Connection for Analog Temperature Sender
16. Connections to Trim Relays
17. Connection for Analog Trim Sender
18. Remote Control Harness Connects to Engine Harness
19. 10-Pin Control Area Network (CAN) Harness, Connect to Data Bus 10-Pin CAN Harness on Engine
20. Resistors within CAN Harness (120Ω 1/4W 5%)
21. Connections for Auxiliary Warning Horn for Depth Sensor
22. 10-Pin Control Area Network (CAN) Connection to System Monitor or System Tachometer



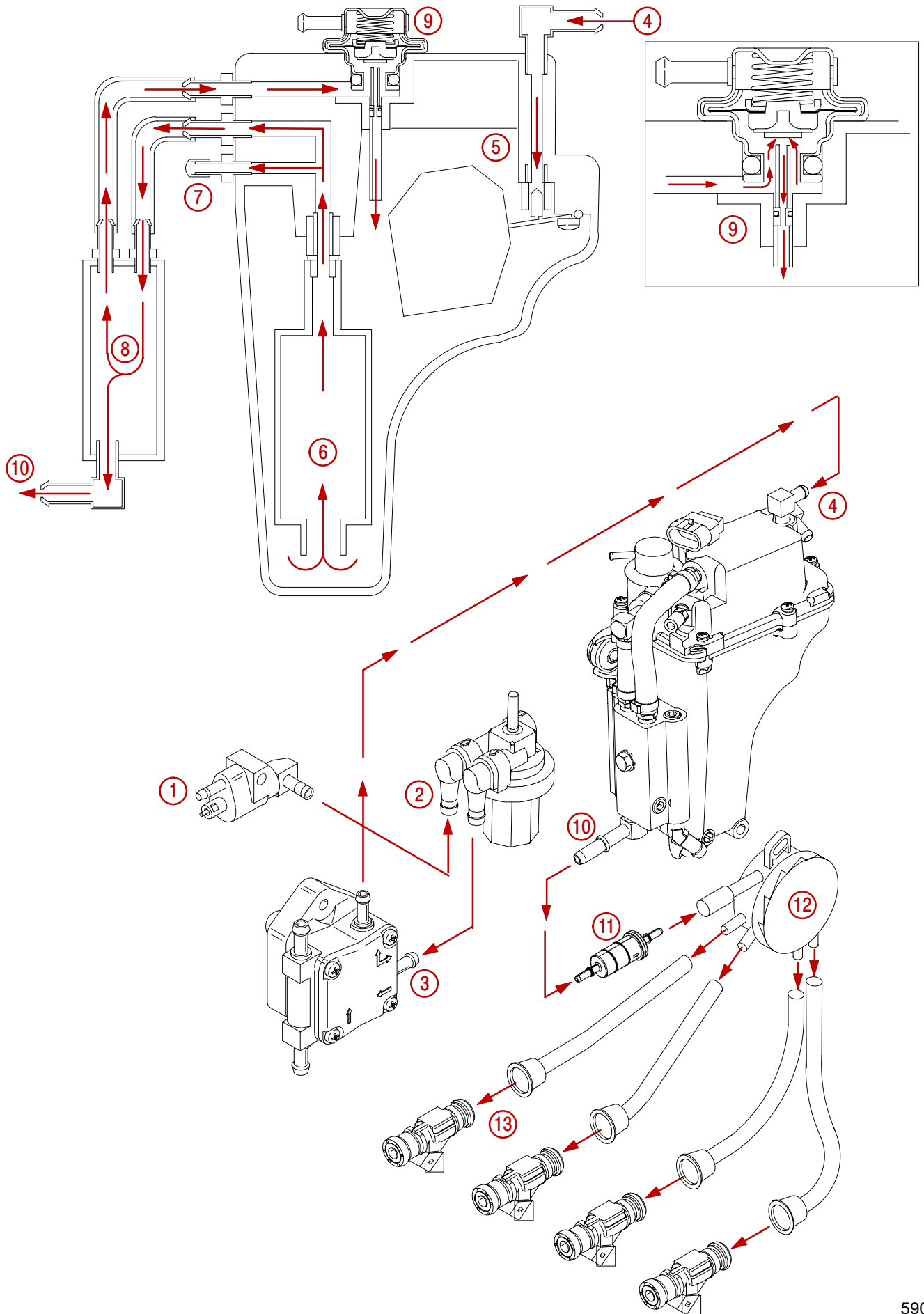


# **40/50/60 EFI (4-STROKE) FUEL FLOW DIAGRAM**



## 40/50/60 EFI (4-Stroke) Fuel Flow Diagram

1. From Boat Fuel Tank
2. Fuel Filter Assembly
3. Low Pressure Mechanical Fuel Pump
4. Vapor Separator Tank (VST) "Low-Pressure In"
5. Float Valve
6. High-Pressure Electric Fuel Pump
7. Schrader Valve for Testing Fuel Pressure
8. Fuel Cooler
9. Pressure Regulator
10. Vapor Separator Tank (VST) "High-Pressure Out"
11. High Pressure Fuel Filter
12. Fuel Distribution Manifold
13. Fuel Injectors





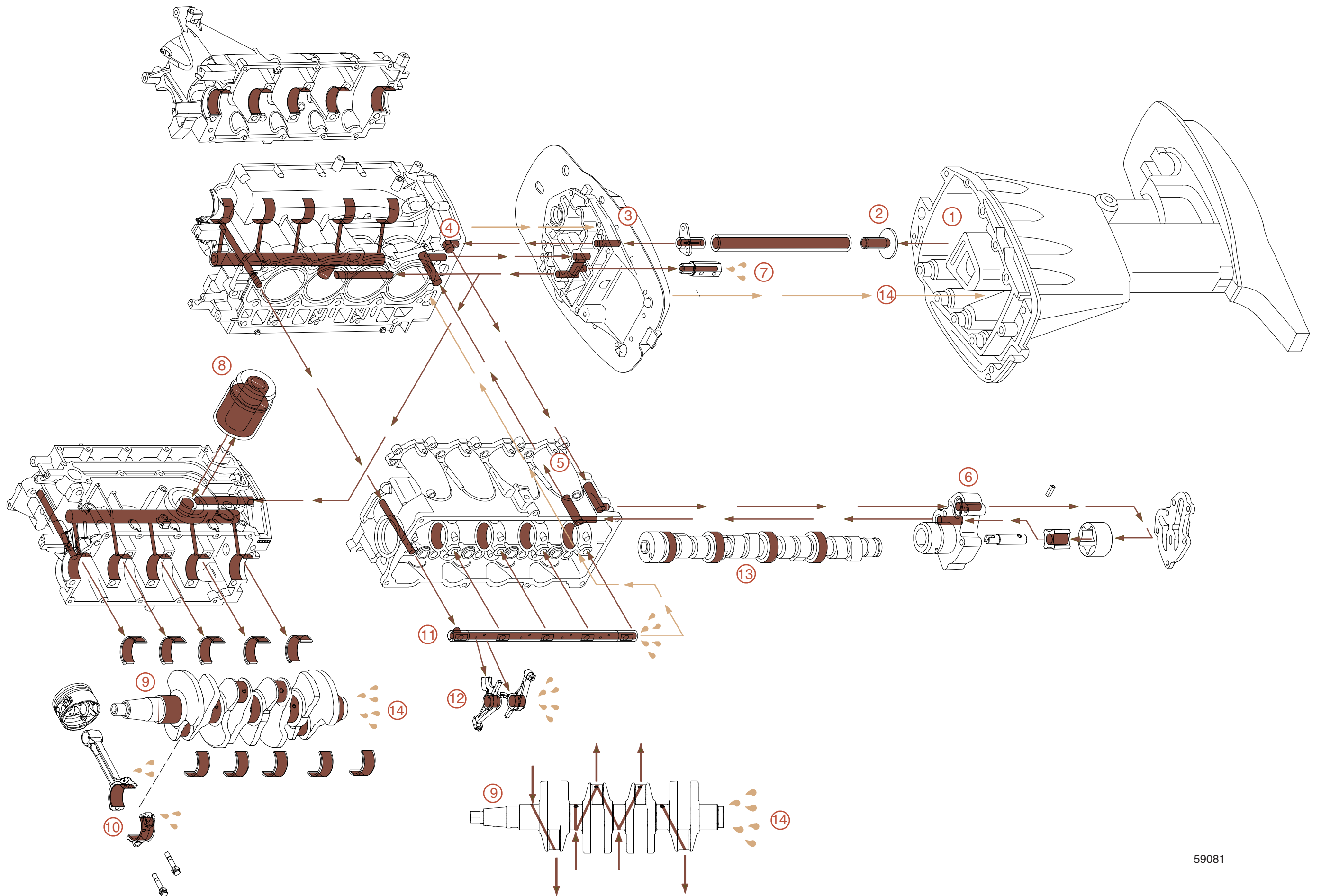
# **40/50/60 EFI (4-STROKE) OIL FLOW DIAGRAM**



## 40/50/60 EFI (4-Stroke) Oil Flow Diagram

1. Sump
2. Oil Pick-up
3. Oil Passages in Adapter Plate
4. Oil Passages in Cylinder Block
5. Oil Passages In Cylinder Head
6. Oil Pump
7. Oil Pressure Regulator
8. Oil Filter
9. Crankshaft
10. Piston, Rod, Wrist-Pin
11. Rocker Arm Shaft
12. Rocker Arms
13. Camshaft
14. Return to Sump







## **40/50/60 EFI (4-STROKE) WATER FLOW DIAGRAM**



## 40/50/60 EFI (4-Stroke) Water Flow Diagram

1. Water Inlet
2. Water Pump
3. Driveshaft Housing
4. Water Tube
5. Adapter Plate
6. Cylinder Block
7. Cylinder Head
8. Water Jacket Cover
9. Thermostat
10. Fuel Cooler
11. Fuel Pump
12. Tell-Tale
13. Water Discharged with Exhaust

