

## ECH749 - Command PRO EFI (ECH)

Last update 31/03/2026

Print date 03/04/2026



Spec ECH749-3135	Description ECH749 - Command PRO EFI (ECH)		
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Specification attributes

Horse power	26.5	OEM	Buffalo Turbine
Idle speed	RPM-1500	Governor spring hole location	NA
High speed	RPM-3925	Emission code	E07 - EPA
Status	Active		



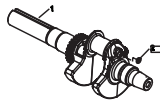
## Group list

Group	Description
01	CrankShaft
02	CrankCase
03	Lubrication
04	CylinderHead/Breather
05	Ignition/Charging
06	Blower Housing
07	Starting
08	Fuel System
10	Air Intake
11	Exhaust
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17	Maintenance-Fast Moving Parts
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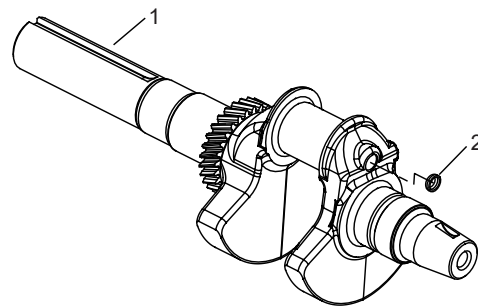
CrankShaft

GROUP 1-CRANKSHAFT  
ECH749-3135

GROUP 1-CRANKSHAFT  
ECH749-3135



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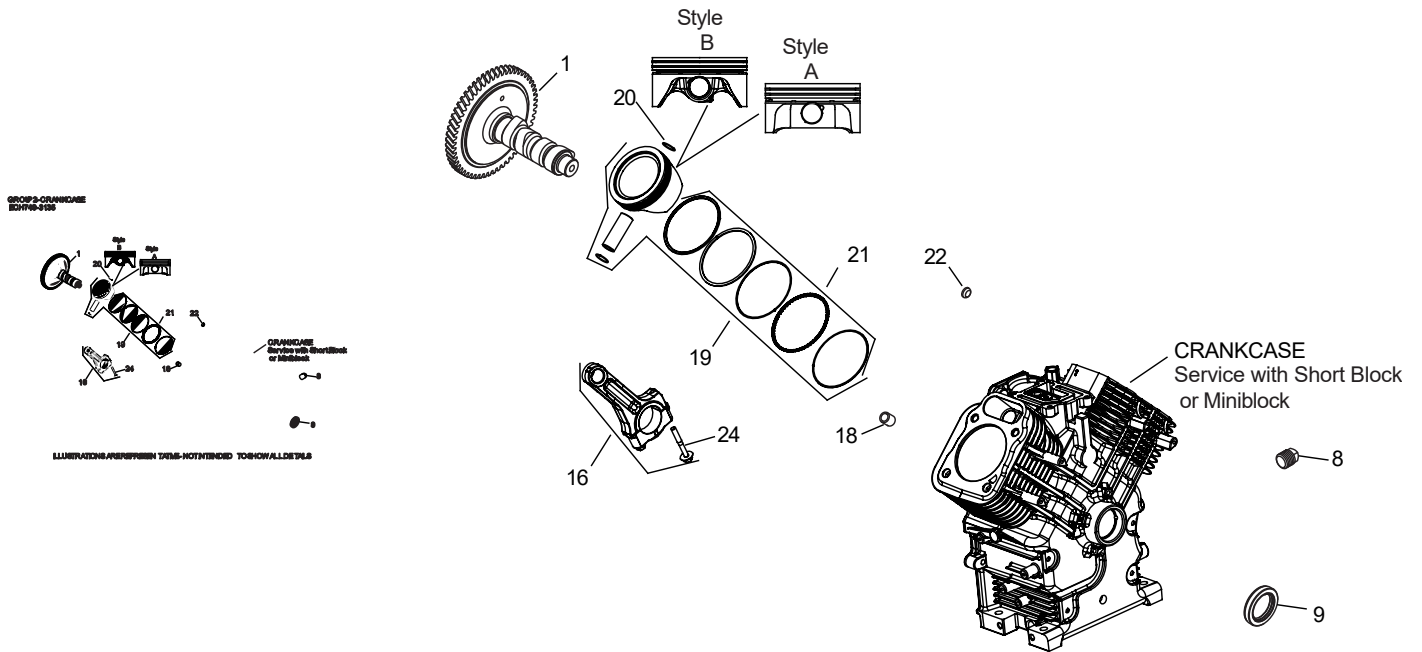
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CrankShaft - Group: 01

Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
1			24 014 202-S	CRANKSHAFT, NON-THRUST STYLE		1	
2			25 139 28-S	PLUG, CUP		1	
2			52 139 09-S	PLUG, CUP		1	

CrankCase






GROUP 2-CRANKCASE  
ECH749-3135



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CrankCase - Group: 02

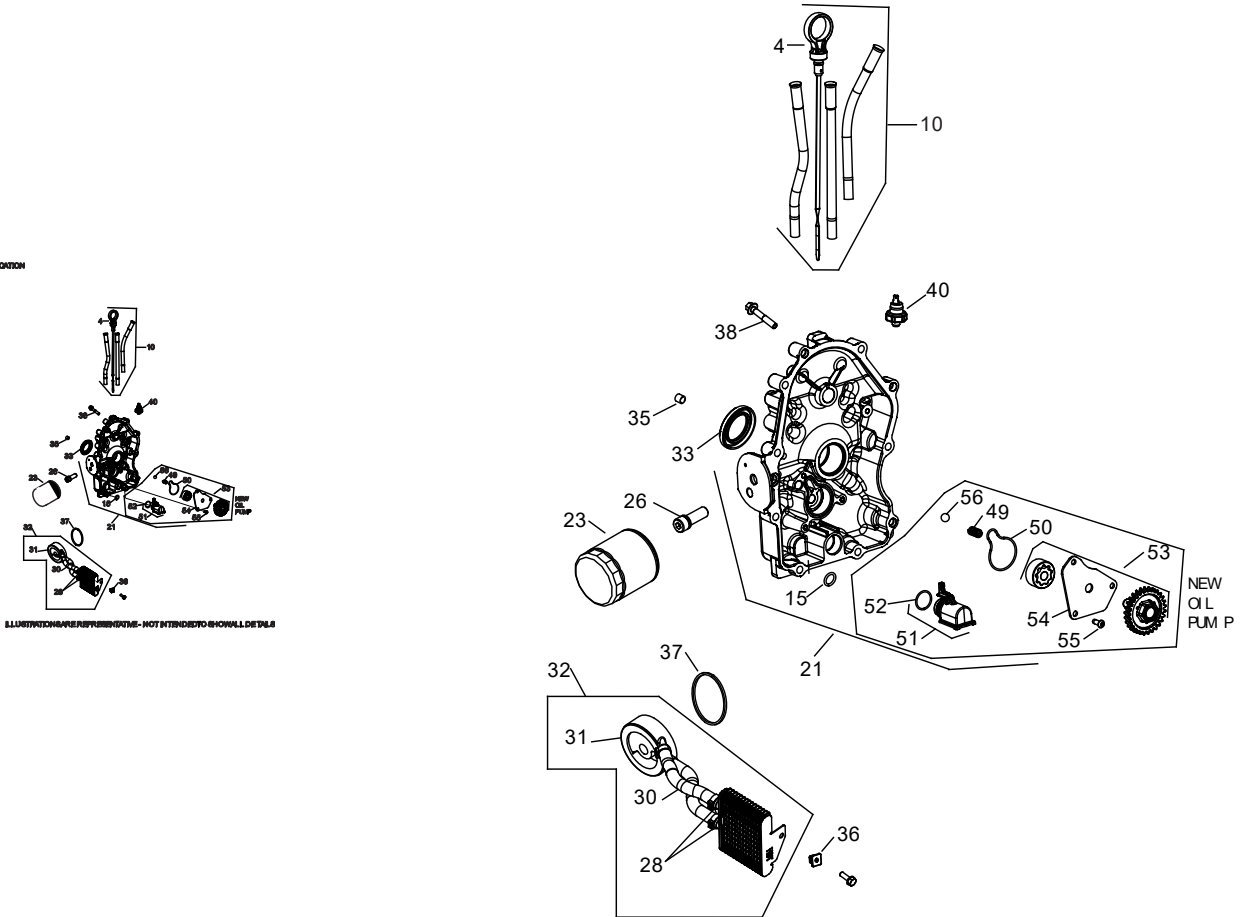
Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
1			24 012 29-S	KIT, CAMSHAFT-USE 24 012 35-S		1	
8			52 139 02-S	PLUG, HD PIPE 3/8"		2	
9			24 032 19-S	SEAL, OIL (HELIX LIP)		1	
16			25 067 04-S	ROD, ASSEMBLY CONNECTING		2	
18			24 380 16-S	PIN, LOCATING		6	

19	25 874 14-S	KIT,PSTN/RNG STYLE B(STD)	2	
19	25 874 18-S	KIT,PSTN/RNG STYLE B(.08)	2	
19	25 874 19-S	KIT,PSTN/RNG STYLE B(.25)	2	
19	25 874 20-S	KIT,PSTN/RNG STYLE B(.50)	2	
20	24 018 01-S	RETAINER, PISTON PIN	4	
21	25 108 01-S	RING SET(STD)STYLE B-1.2mm Tp RING THICK	2	
21	25 108 02-S	RING SET(.08)STYLE B-1.2mm RING THICK	2	
21	25 108 03-S	RING SET(.25)STYLE B-1.2mm Tp RING THICK	2	
21	25 108 04-S	RING SET(.50)STYLE B-1.2mm Tp RING THICK	2	
22	52 139 09-S	PLUG, CUP	1	
24	25 086 452-S	KIT, ROD BOLTS-(#25086677S)	2	

Lubrication

GROUP 3-LUBRIC ATION  
ECH739-3135

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ECH739-3135



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Lubrication - Group: 03

Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
4			24 038 10-S	DIPSTICK		1	
10			24 755 121-S	KIT, DIPSTICK/DIPSTICK TUBES		1	
15			24 153 08-S	O-RING		1	
21			24 009 237-S	KIT, CLOSURE PLATE ASSY		1	
23			52 050 02-S	OIL FILTER		1	

26	24 136 08-S	NIPPLE, OIL FILTER-USE 24 136 10-S	1	
28	24 237 16-S	CLAMP, HOSE LOW PROFILE	4	
30	24 326 17-S	KIT, HOSE 140MM	2	
31	24 029 81-S	ADAPTER,OIL FILTER (CH EFI)-DISCONTINUED	1	
32	24 594 67-S	COOLER,OIL & DIVERTER ASSY-(#2459470S)	1	
33	25 032 06-S	OIL SEAL	1	
35	25 139 60-S	PLUG, CTSK PIPE 1/8"	1	
36	25 100 37-S	NUT, PLASTIC - BLACK	1	
37	24 153 21-S	O-RING, OIL COOLER	1	
38	24 086 17-S	SCREW, FLG M8X1.25X45	9	
38	25 086 317-S	SCREW, HEX FLANGE	1	
40	25 099 27-S	SENSOR, OIL PSI	1	
49	24 089 74-S	SPRING, COMPRESSION	1	
50	24 153 33-S	SEAL, OIL PUMP COVER	1	
51	24 381 13-S	PICK-UP ASSEMBLY, OIL	1	
52	24 153 34-S	O-RING, OIL PICK-UP	1	
53	24 393 70-S	PUMP ASSEMBLY, OIL	1	
54	24 096 151-S	COVER, OIL PUMP	1	
55	25 086 414-S	SCREW, BUTTON HEAD-(#25086792S)	3	

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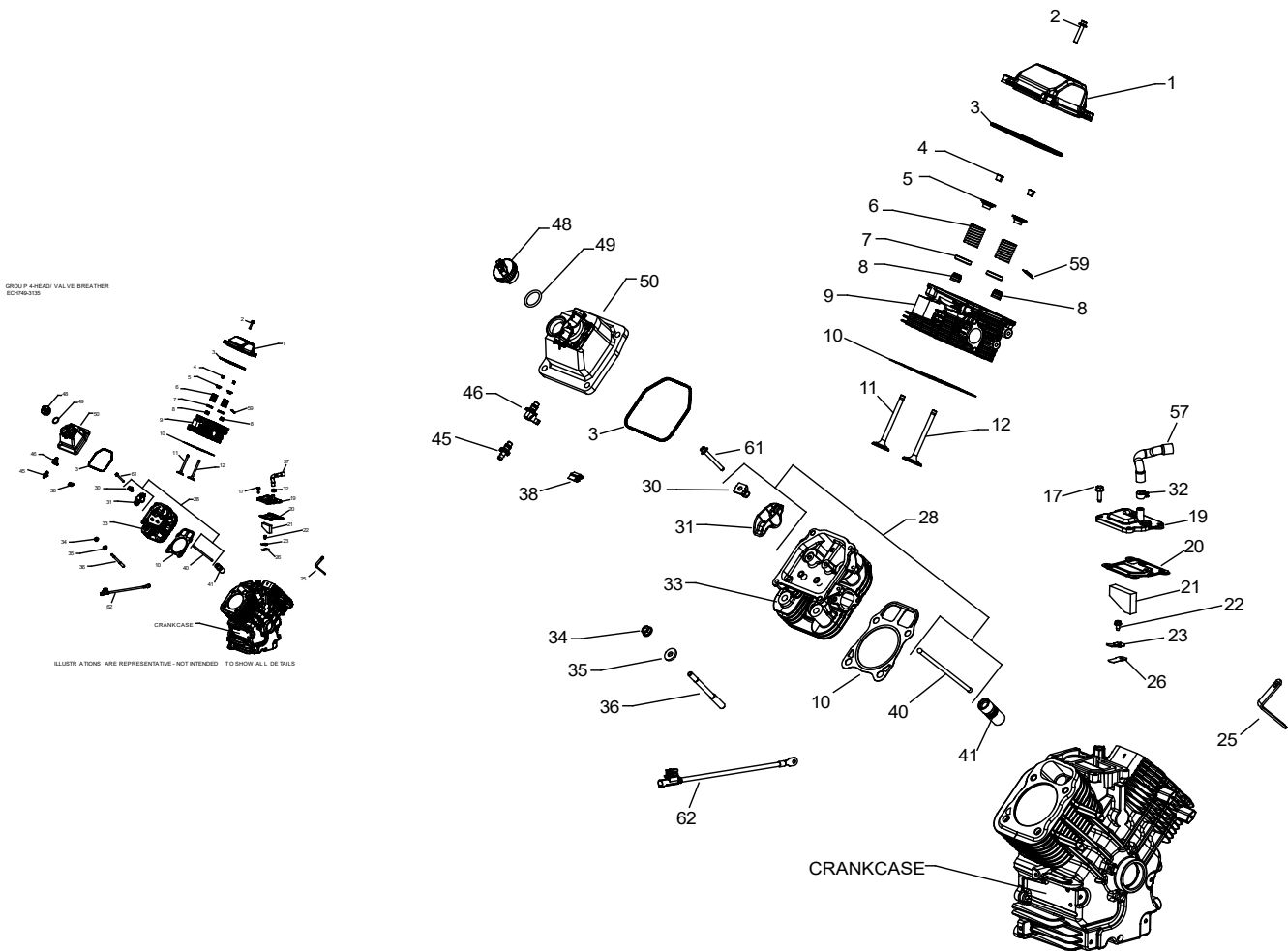
25 194 03-S

PRESSURE RELIEF BALL

2

CylinderHead/Breather

GROUP 4-HEAD/VALVE BREATHER  
ECH749-3135



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CylinderHead/Breather - Group: 04

Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
1			24 755 141-S	KIT, VALVE COVER-PLAIN (PLASTIC)		1	
2			M-651030-S	SCREW, FLG M6X1.0X30-USE 25 086 797-S		8	
3			24 153 30-S	O-RING (YELLOW), VALVE CO-(#2515324S)		3	
4			12 755 03-S	KIT, RETAINER		8	
5			25 173 28-S	CAP, VALVE SPRING		4	

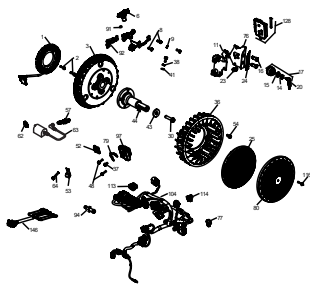
6	24 089 02-S	SPRING, VALVE	4	
7	235011-S	RETAINER, SPRING	4	
8	25 032 14-S	SEAL, VALVE BAND	4	
9	24 318 218-S	KIT, CYLINDER HEAD (#1)-(#2481803S)	1	
10	24 841 04-S	KIT, GASKET CYLINDER HEAD	2	
11	32 016 01-S	VALVE, EXHAUST	2	
11	32 016 02-S	VALVE, EXHAUST (.25)	2	
12	24 017 01-S	VALVE, INTAKE (STD)	2	
12	24 017 02-S	VALVE, INTAKE (.25)-(#DSC)	2	
17	25 086 758-S	SCREW, THREAD FORMING	8	
19	24 096 163-S	COVER, BREATHER	1	
20	24 041 67-S	GASKET, BREATHER	1	
21	24 050 11-S	FILTER, BREATHER	1	
22	M-545010-S	SCREW, FLG THD FRM M5X.8X10	1	
23	66 018 04-S	RETAINER, REED	1	
25	25 445 03-S	STRAP, LIFT-USE 25 445 06-S	2	
26	24 402 06-S	REED, BREATHER	1	
28	24 755 66-S	KIT, VALVE TRAIN	4	
30	24 599 02-S	PIVOT, ROCKER ARM	4	

31	25 186 01-S	ARM, ROCKER	4	
32	25 237 37-S	SPRING CLAMP, HOSE	3	
33	24 318 219-S	KIT, CYLINDER HEAD (#2)-(#2481804S)	1	
34	24 100 10-S	NUT, FLG M8X1.25	8	
35	24 468 16-S	WASHER, FLAT 8.6 MM	8	
36	24 072 09-S	STUD, M8X1.25	8	
38	25 154 22-S	CLIP, O2 SENSOR	2	
40	24 411 05-S	ROD, PUSH	4	
41	25 351 10-S	LIFTER, VALVE HYDRAULIC-USE 25 351 11-S	4	
45	25 294 09-S	KIT, STRAIGHT FITTING	1	
46	25 294 11-S	KIT, 90 DEG. FITTING	1	
48	24 227 02-S	CAP ASSY, OIL FILL (YELLOW)	1	
49	24 153 32-S	O-RING	1	
50	24 559 10-S	KIT, VALVE COVER-FUEL PUMP	1	
57	24 326 160-S	HOSE, BREATHER (ETB HORIZONTAL)	1	
59	24 018 05-S	RETAINER, VALVE GUIDE (KM)	4	
61	25 086 777-S	SCREW, HEX FLANGE	4	
62	25 518 44-S	LEAD, SENSOR TEMPERATURE	1	

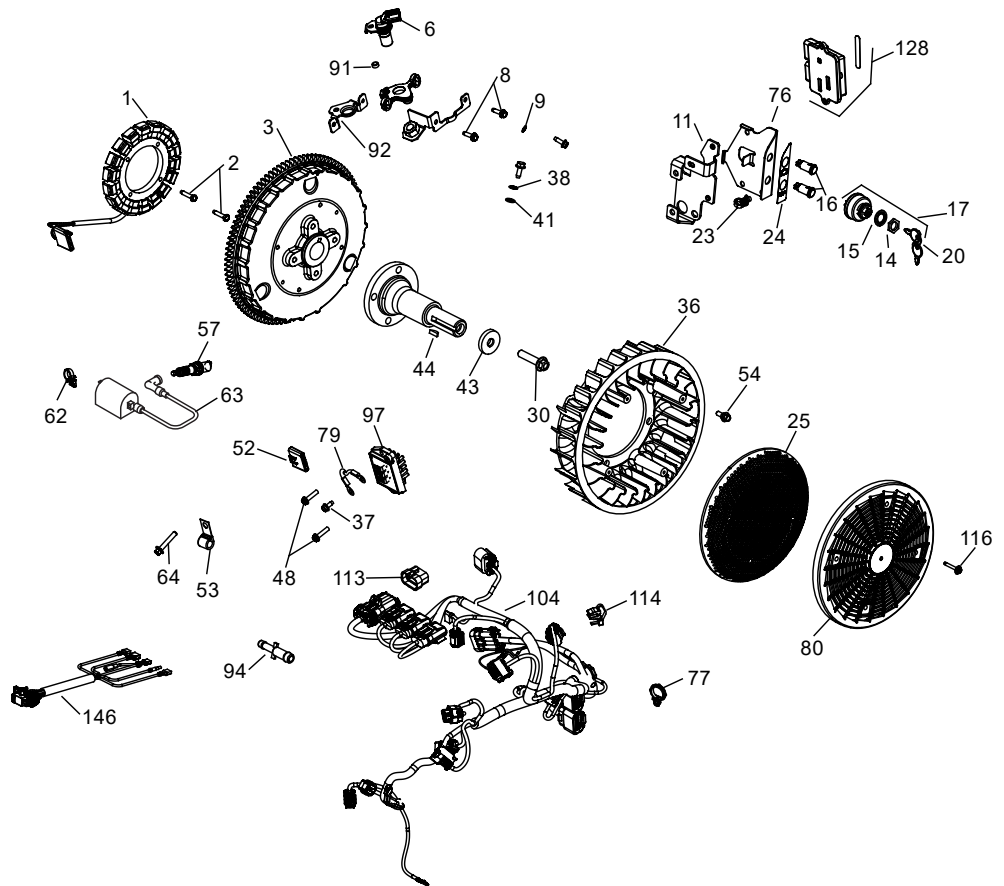
Ignition/Charging

**GROUP 5-IGNITION  
ECH749-3135**

GROUP 5-IGNITION  
ECH749-3135



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Ignition/Charging - Group: 05

Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
1			237878-S	KIT, 15 / 20 AMP STATOR		1	
2			25 086 402-S	SCREW, THREAD FORMING		2	
3			24 025 100-S	FLYWHEEL, ASSEMBLY-(#24025115S)		1	
6			25 418 01-S	SENSOR, SPEED		1	
8			25 086 398-S	SCREW, THREAD FORMING		2	

9	X-22-9-S	WASHER, INT TOOTH LOCK #10	1	
11	24 126 197-S	BRACKET, ECU	1	
14	48 100 01-S	NUT, KEY SWITCH	1	
15	48 468 02-S	WASHER, INTERNAL TOOTH	2	
16	25 352 27-S	LIGHT, INDICATOR	2	
17	25 099 32-S	KEY ASSEMBLY SWITCH-USE 25 099 37-S	1	
20	24 340 03-S	KIT, KEYS	2	
23	25 454 09-S	TIE, WIRE	2	
24	24 113 169-S	DECAL, WARNING LIGHT	1	
25	54 755 15-S	KIT GRASS SCREEN	1	
30	12 086 14-S	SCREW, FLG M10X1.5X45-USE 25 086 361-S	1	
36	24 157 11-S	FAN-USE 24 755 253-S	1	
37	25 086 693-S	SCREW, THREAD FORMING	5	
38	X-22-11-S	WASHER, INT TOOTH LOCK 1/4"	1	
41	X-25-63-S	WASHER, FLAT 1/4" (O.D. 1/2")	1	
43	12 468 03-S	WASHER, FLAT 13/32"-(#2546809S)	1	
44	X-42-15-S	KEY, 3/16" X 5/8"	1	
48	25 086 157-S	SCREW, HEX FLANGE HI-LO	2	
52	25 155 41-S	CONNECTOR	1	

53	25 237 36-S	CLAMP	1	
54	25 086 47-S	BOLT, SHOULDER	4	
57	25 132 14-S	SPARK PLUG, RFI	2	
62	62 154 05-S	CLIP	2	
63	25 519 04-S	COIL, IGNITION - EFI (RFI/EMC)	2	
64	M-640034-S	SCREW,FLG (BLACK) M6X1.0X34-(#25086786S)	2	
76	24 126 204-S	BRACKET, WARNING LIGHT	1	
77	25 018 05-S	RETAINER, WIRE HARNESS	2	
79	24 518 43-S	LEAD	1	
80	24 162 44-S	SCREEN, GRASS	1	
91	25 112 27-S	SPACER	1	
92	25 126 18-S	BRACKET, SENSOR	1	
94	25 155 44-S	CONNECTOR	1	
97	25 403 39-S	REGULATOR, RECT-(#2540349S)	1	
104	24 176 312-S	HARNESS, WIRING (8-BAY, EFI-ETB)	1	
113	25 173 57-S	CAP, DIAGNOSTIC (8-WAY)	1	
114	25 454 14-S	TIE, WIRE EDGE FIXED	1	
116	25 086 117-S	SCREW, FLG SEMS M4x.7x25	4	
128	25 584 33-S	MODULE, ECU MT05.3 SERVICE	1	

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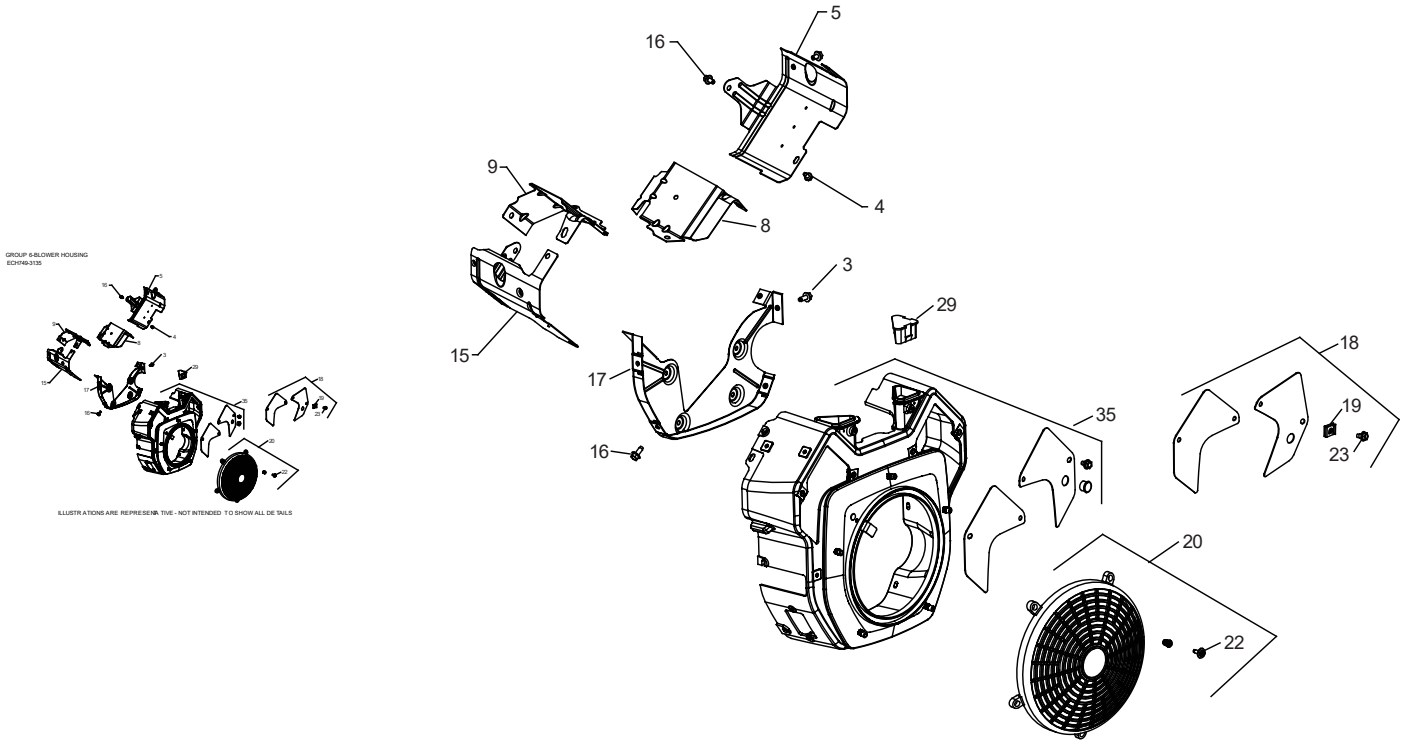
25 176 35-S

HARNESS, WIRING JUMPER 8 PIN TO 6 PIN

1

Blower Housing

GROUP 6-BLOWER HOUSING  
ECH749-3135



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Blower Housing - Group: 06

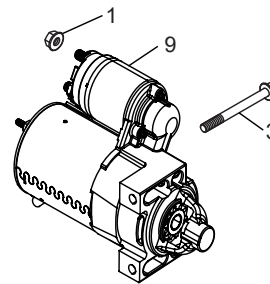
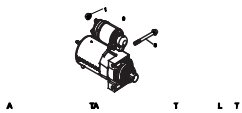
Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
3			25 086 398-S	SCREW, THREAD FORMING		3	
3			25 086 426-S	SCREW, THREAD FORMING-(#25086398S)		1	
4			25 086 400-S	SCREW, THREAD FORMING		2	
5			24 063 113-S	BAFFLE, RIGHT BARREL		1	
8			24 063 114-S	BAFFLE, VALLEY #1 CYLINDER		1	

9	24 063 94-S	BAFFLE, VALLEY #2 CYLINDER	1	
15	24 063 112-S	BAFFLE LEFT BARREL	1	
16	25 086 397-S	SCREW, THREAD FORMING	5	
17	24 146 57-S	PLATE, BACKING	1	
17	24 146 59-S	KIT, BACKING PLATE	1	
18	25 755 20-S	KIT, ACCESS PANEL	2	
19	25 154 37-S	CLIP, BAFFLE MOUNTING	4	
20	24 755 81-S	KIT, FIXED GUARD	1	
22	25 086 160-S	SCREW, SEMS	3	
23	25 086 406-S	SCREW, THREAD FORMING	4	
29	24 096 160-S	COVER, BLOWER HOUSING	1	
35	24 027 568-S	KIT, BLOWER HOUSING	1	

Starting

GROUP 7-S TARTER  
ECH749-3135

GROUP 7-S TARTER  
ECH749-3135



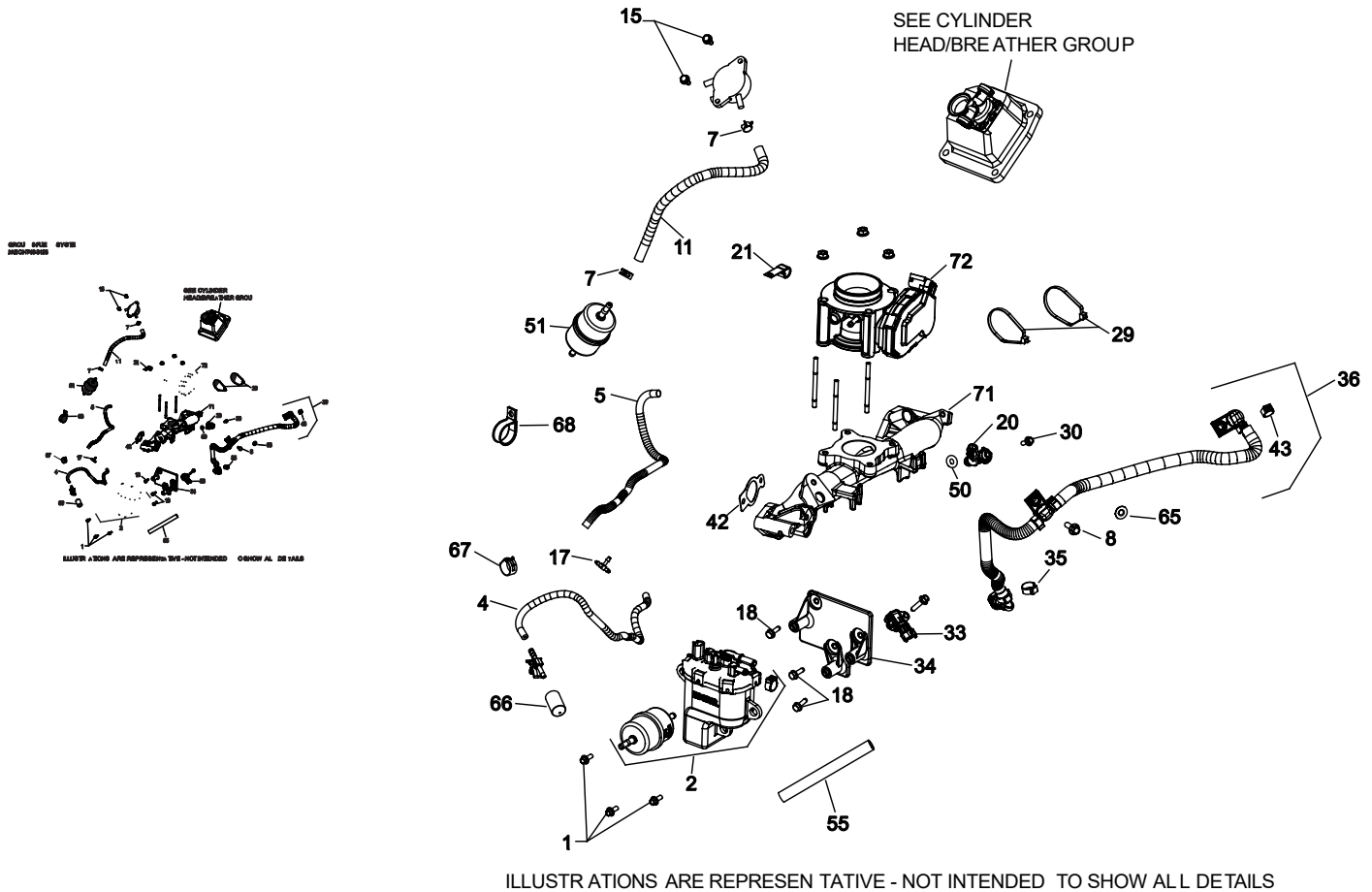
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Starting - Group: 07

Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
1			M-841080-S	NUT, FLG M8X1.25		1	
3			M-851080-S	SCREW, FLG M8X1.25X80		2	
9			25 098 24-S	STARTER, SOLENOID SHIFT		1	

Fuel System


GROUP 8-FUEL SYSTEM  
ECH749-3135



Fuel System - Group: 08

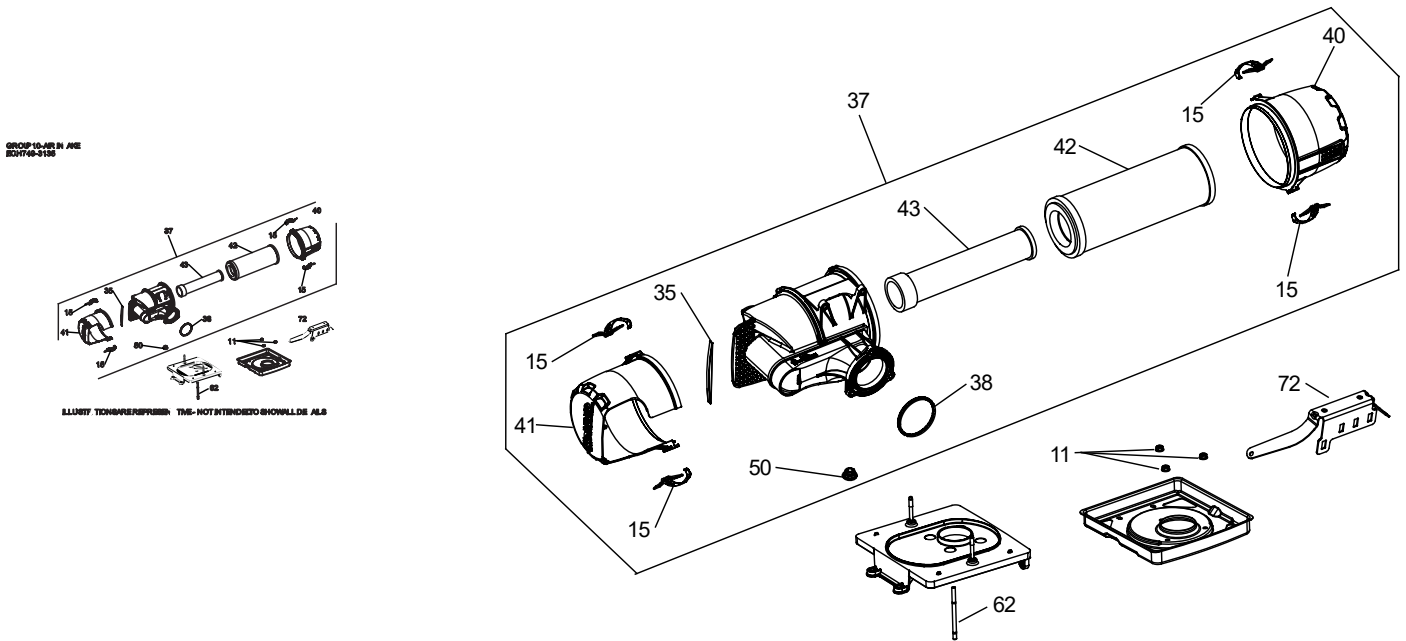
Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
1			M-639016-S	SCREW, FLG M6X1.0X16		3	
2			25 393 19-S	KIT, FUEL PUMP MODULE		1	
4			24 326 119-S	HOSE, EVAPORATIVE (15.0)		3	
5			25 431 22-S	SLEEVE, ANTI-ABRASION		4	
7			25 237 14-S	CLAMP, HOSE (KM)-USE 25 237 31-S		1	

8	M-651020-S	SCREW, FLG M6x1.0x20	3	
11	25 111 34-S	HOSE,LW PERM.FUEL 24.00"-USE 25 111 81-S	2	
15	25 086 397-S	SCREW, THREAD FORMING	4	
17	25 155 56-S	TEE CONNECTOR	1	
18	25 086 413-S	SCREW, THREAD FORMING	3	
20	25 331 01-S	INJECTOR, FUEL	2	
21	25 154 04-S	CLIP, CABLE	1	
29	25 454 07-S	TIE	2	
30	M-651016-S	SCREW, FLG M6X1.0X16	2	
33	25 418 13-S	SENSOR, T-MAP	1	
34	24 063 107-S	BAFFLE, FUEL MODULE	1	
35	24 237 17-S	CLAMP, HOSE	8	
36	24 399 35-S	FUEL HOSE ASSEMBLY,ECH680-ECH749	2	
42	24 041 79-S	KIT, INTAKE MANIFOLD GASKET-(#24755452S)	2	
43	25 237 28-S	CLAMP, OETIKER	1	
50	25 755 41-S	KIT, FUEL INJECTOR O-RING	2	
51	24 050 13-S	FILTER, FUEL	1	
55	20 431 01-S	SLEEVE, ANTI ABRASION -USE 25 431 12-S	1	
55	25 431 16-S	SLEEVE, ANTI ABRASION-USE 25 431 12-S	1	

65	25 154 31-S	CLIP, RETAINER	2	
66	25 173 10-S	MASKING CAP	1	
67	25 237 18-S	CLAMP, SPRING HOSE	1	
68	25 237 35-S	CLAMP, INSULATED	1	
71	24 164 286-S	MANIFOLD, INTAKE - ETB HORIZONTAL	1	
72	25 583 26-S	BODY, ELECTRONIC THROTTLE ASM 30 DIA	1	

Air Intake

GROUP 10-AIR IN TAKE  
ECH749-3135



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Air Intake - Group: 10

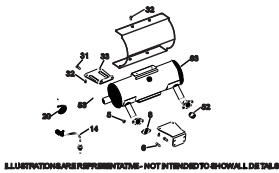
Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
11			M-641060-S	NUT, FLG M6X1.0		4	
15			62 154 07-S	CLIP ASSEMBLY		4	
35			62 263 03-S	DAMPER, FOAM INSERT		1	
37			24 048 71-S	KIT, AIR CLEANER (ETB)		1	
38			24 153 31-S	O-RING (HDAC SEAL-EFI)		1	

40	62 096 22-S	COVER, AIR FILTER	1	
41	62 096 25-S	COVER, RAIN CAP	1	
42	25 083 01-S	ELEMENT, AIR FILTER - PRIMARY	1	
43	25 083 04-S	ELEMENT, AIR FILTER - SAFETY	1	
50	62 139 02-S	PLUG, HOLE	1	
62	25 072 35-S	STUD	4	
72	24 126 259-S	BRACKET, HDAC SUPPORT (ETB)	1	

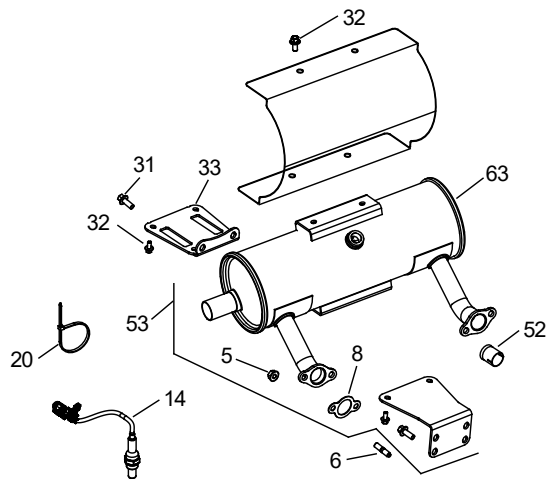
Exhaust

GROUP 11-EXHAUST  
ECH749-3135

GROUP 11-EXHAUST  
ECH749-3135



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Exhaust - Group: 11

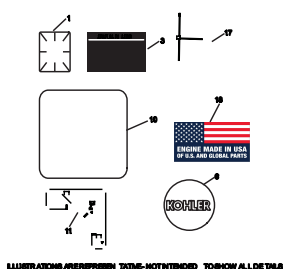
Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
5			25 100 52-S	NUT, HEX FLANGE LOCK (M8)		4	
6			25 072 24-S	STUD, METRIC EXHAUST		4	
8			24 041 49-S	GASKET, EXHAUST-(#2504117S)		2	
14			25 418 07-S	SENSOR, OXYGEN (M18 x 1.5 THREADS)		1	
20			25 454 05-S	TIE		1	

31	M-839020-S	SCREW, FLG M8X1.25X20	2	
32	M-650012-S	SCREW, FLG M6X1.0X12	4	
33	24 126 12-S	BRACKET, MUFFLER-(#24126274S)	1	
52	24 605 07-S	LINER, EXHAUST PORT	1	
53	24 786 32-S	MUFFLER KIT, FILTER SIDE/STRAIGHT	1	
63	24 068 136-S	MUFFLER	1	

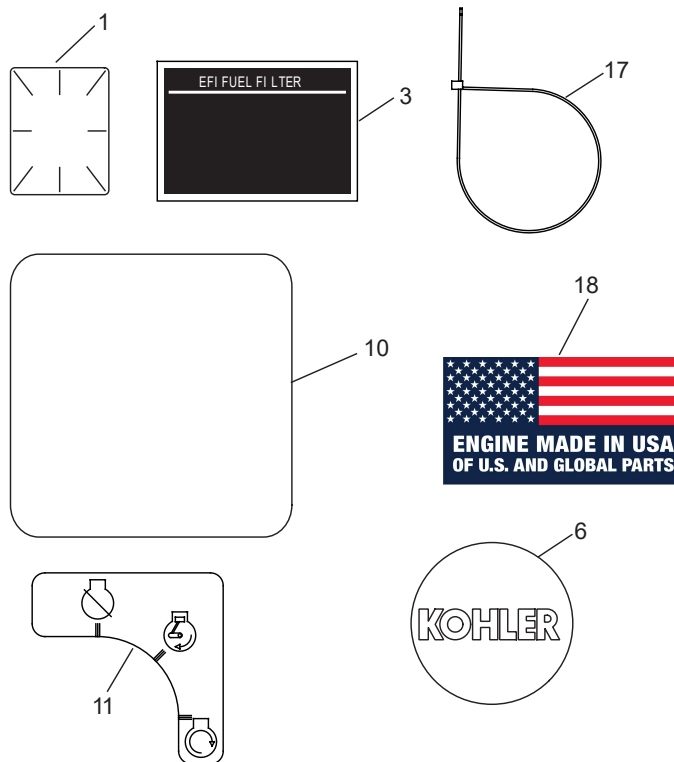
Identification

GROUP 12-IDENTIFICATION  
ECH749-3135

GROUP 12-IDENTIFICATION  
ECH749-3135



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Identification - Group: 12

Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
1			25 113 79-S	LABEL, CLEAR LAMINATION		1	
3			24 113 344-S	LABEL, EFI FUEL FILTER		1	
6			24 113 499-S	LABEL, GRASS SCREEN		1	
10			24 113 474-S	DECAL, HDAC 26.5 HP/747cc/ECV-ECH749		1	
11			24 113 126-S	DECAL, KEY SWITCH		1	


17	25 454 05-S	TIE	1
18	25 113 93-S	DECAL, USA	1

Parts Shipped Uninstalled

**KOHLER**  
Engines  
GROUP 16  
**PARTS SHIPPED  
UNINSTALLED**

**KOHLER**  
Engines  
GROUP 16  
PARTS SHIPPED  
UNINSTALLED

Parts Shipped Uninstalled - Group: 16

Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
NI			24 068 136-S	MUFFLER		1	
NI			24 126 12-S	BRACKET, MUFFLER-(#24126274S)		1	
NI			24 786 32-S	MUFFLER KIT, FILTER SIDE/STRAIGHT		1	
NI			25 176 35-S	HARNESS, WIRING JUMPER 8 PIN TO 6 PIN		1	
NI			25 418 07-S	SENSOR, OXYGEN (M18 x 1.5 THREADS)		1	




NI	M-650012-S	SCREW, FLG M6X1.0X12	4
NI	M-839020-S	SCREW, FLG M8X1.25X20	2

## Maintenance-Fast Moving Parts

**KOHLER**  
Engines  
GROUP 17  
MAINTENANCE  
FAST MOVING PARTS

**KOHLER**  
Engines  
GROUP 17  
MAINTENANCE  
FAST MOVING PARTS

## Maintenance-Fast Moving Parts - Group: 17

Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
NI			24 050 11-S	FILTER, BREATHER		1	
NI			24 050 13-S	FILTER, FUEL		1	
NI			25 083 01-S	ELEMENT, AIR FILTER - PRIMARY		1	
NI			25 083 04-S	ELEMENT, AIR FILTER - SAFETY		1	
NI			25 132 14-S	SPARK PLUG, RFI		2	


NI	52 050 02-S	OIL FILTER	1	
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Sensors

**KOHLER**  
Engines  
GROUP 19  
SENSORS

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Engines  
GROUP 19  
SENSORS

Sensors - Group: 19

Pos	Kit	Included in	Part #	Description	Note	QTY	Tech info
NI			25 099 27-S	SENSOR, OIL PSI		1	
NI			25 126 18-S	BRACKET, SENSOR		1	
NI			25 154 22-S	CLIP, O2 SENSOR		2	
NI			25 418 01-S	SENSOR, SPEED		1	
NI			25 418 07-S	SENSOR, OXYGEN (M18 x 1.5 THREADS)		1	

NI	25 418 13-S	SENSOR, T-MAP	1
NI	25 518 44-S	LEAD, SENSOR TEMPERATURE	1