

NEW TO RANGE

MDSP-105-2021



CATERPILLAR

CAT C7/C9 HEUI Injector Parts Catalogue



DISCOVER

DIESEL

EXCELLENCE

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www.merlindiesel.com

Manufacturer's part numbers are given for reference purposes only and do not imply that in all cases the parts are of their manufacture. Illustrations and Technical Data are non-binding and are subject to change as a result of technological progress.

HARTRIDGE HK1400 EXPERT CAM-BOX



HK1400 EUI APPLICATIONS

VOLVO	E3, E1, A SERIES
LAND ROVER	TD5
JOHN DEERE	E1, A SERIES
VOLVO BOSCH	A SERIES
CAT EUI	C10, C12, C15, C18, C27, C32, 3500
SCANIA	11, 12, 16
IVECO	CURSOR 8, 10, 13, E1
DETROIT DIESEL	SERIES 60 N2, N3
VW	PD, PDB, PPD (PIEZO)
CUMMINS	CELECT
NISSAN	BOSCH, GEI3
DELPHI	DAF EUP
BOSCH	MACK, MB ACTROS, MB ATEGO, VOLVO

MERLIN S9000 MKII



S9000 MK II APPLICATIONS

CATERPILLAR	3408, 3412, 3126A, 3126B, C7/C9 HEUI
NAVISTAR	DT446E, DT530E HEUI
FORD	POWERSTROKE 3126 TYPE
POWERSTROKE	
BOSCH	COMMON RAIL INJECTORS
DELPHI	COMMON RAIL INJECTORS
DENSO	COMMON RAIL INJECTORS
CONTINENTAL	COMMON RAIL INJECTORS

HARTRIDGE TOLEDO HEUI MASTER



TOLEDO APPLICATIONS

FORD POWERSTROKE	4.5L V6, 6.0L V8, 7.3L V8
NAVISTAR	DT444E, DT446E, DT530E, DT570- HT570, VT275, VT365
ISUZU	4JX1
CATERPILLAR	3408, 3412, 3116E, 3126A, 3126B, C7, C9

For more information on the specifications for the test solutions, please request a brochure or visit merlindiesel.com



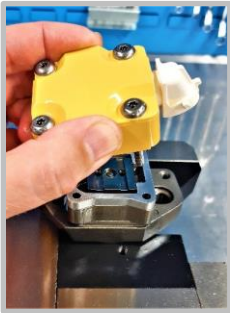
Training & Tooling Solutions at Merlin Diesel

Merlin Diesel’s extensive Research and Development programme in the field of EUI and HEUI has led to a surge of interest from technicians worldwide. The need for a qualified and skilled work force is essential for garage and workshop productivity.



In response to this demand Merlin have created a state-of-the-art training facility dedicated to providing an in-depth understanding of the processes involved in effective, inspection, fault diagnosis, fault correction, re-calibration and test.

All courses cover theory and practical demonstrations, equipping technicians with the practical skill to effectively identify faults and repair the relevant unit by the course’s completion.



We provide comprehensive tool kits to compliment the courses we are offering. The tool kits cover a complete disassembly and assembly process for all the modules in the prospectus. The kits contain tools for the following technologies:

Technologies & Brand			
Bosch CRI/CRIN	Denso/VDO CRI	CAT CRI & CRP	Delphi Technologies EUI
Bosch EUI/EUP	All Makes HEUI	CAT EUI	Delphi Technologies/CAT EUI (Valve Kit)
Detroit Diesel EUI	Bosch EUI/EUP (Valve Kit)		

Merlin courses are open to all - Competitive pricing policy - Post-training support guaranteed
For more information please contact: testequipment@merlindiesel.com



Cross Reference Numbers

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5	557-7633	20R8968	20R8064	254-4339	387-9433	267-3361
6	236-0962	10R7224	235-2888	217-2570	172-5780	
6	236-0962	10R7224	166-1759	188-8739		
7	557-7627	10R7225	387-9427	295-1411	328-2585	268-1839
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13	387-9429	20R8058	241-3229	238-9808	238-9809	328-2584
13	387-9429	20R8058	236-6011	243-4503	241-3239	

Cross Reference Numbers

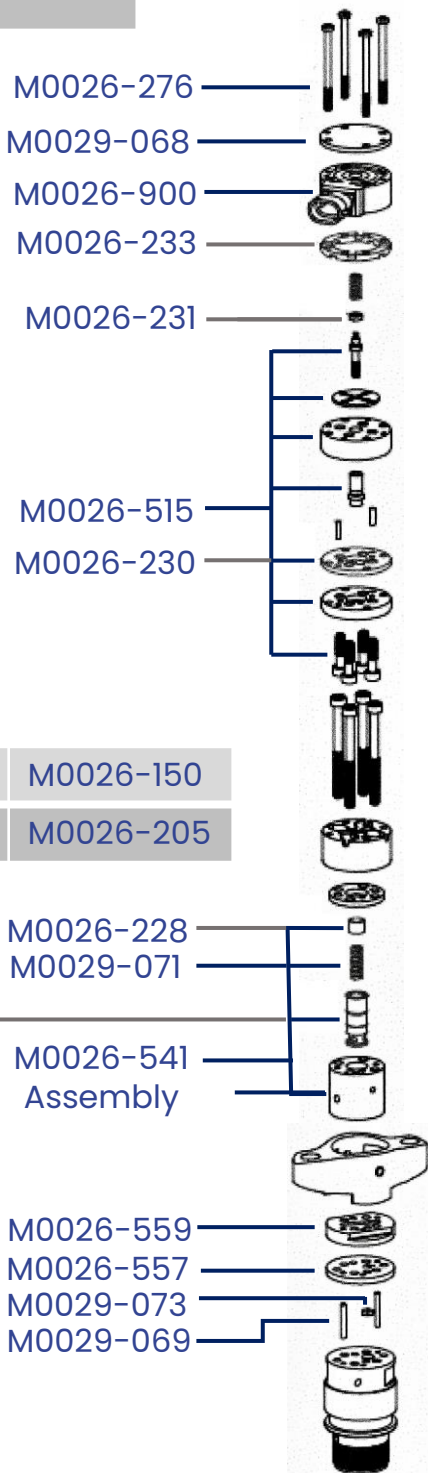
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CAT C7/C9 HEUI Injector Parts



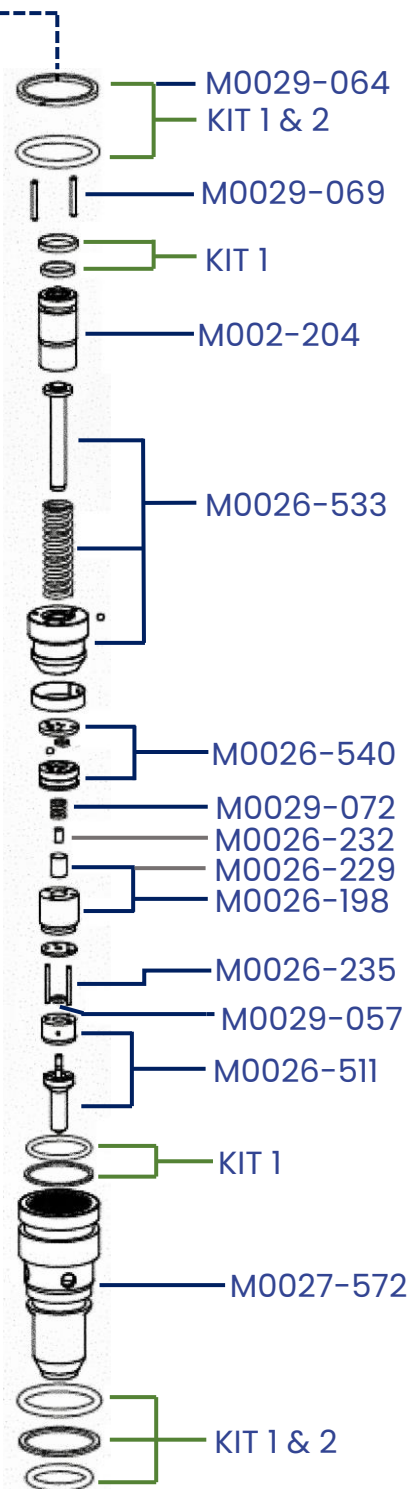
557-7633

20R8968



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only



— = Adjustable item

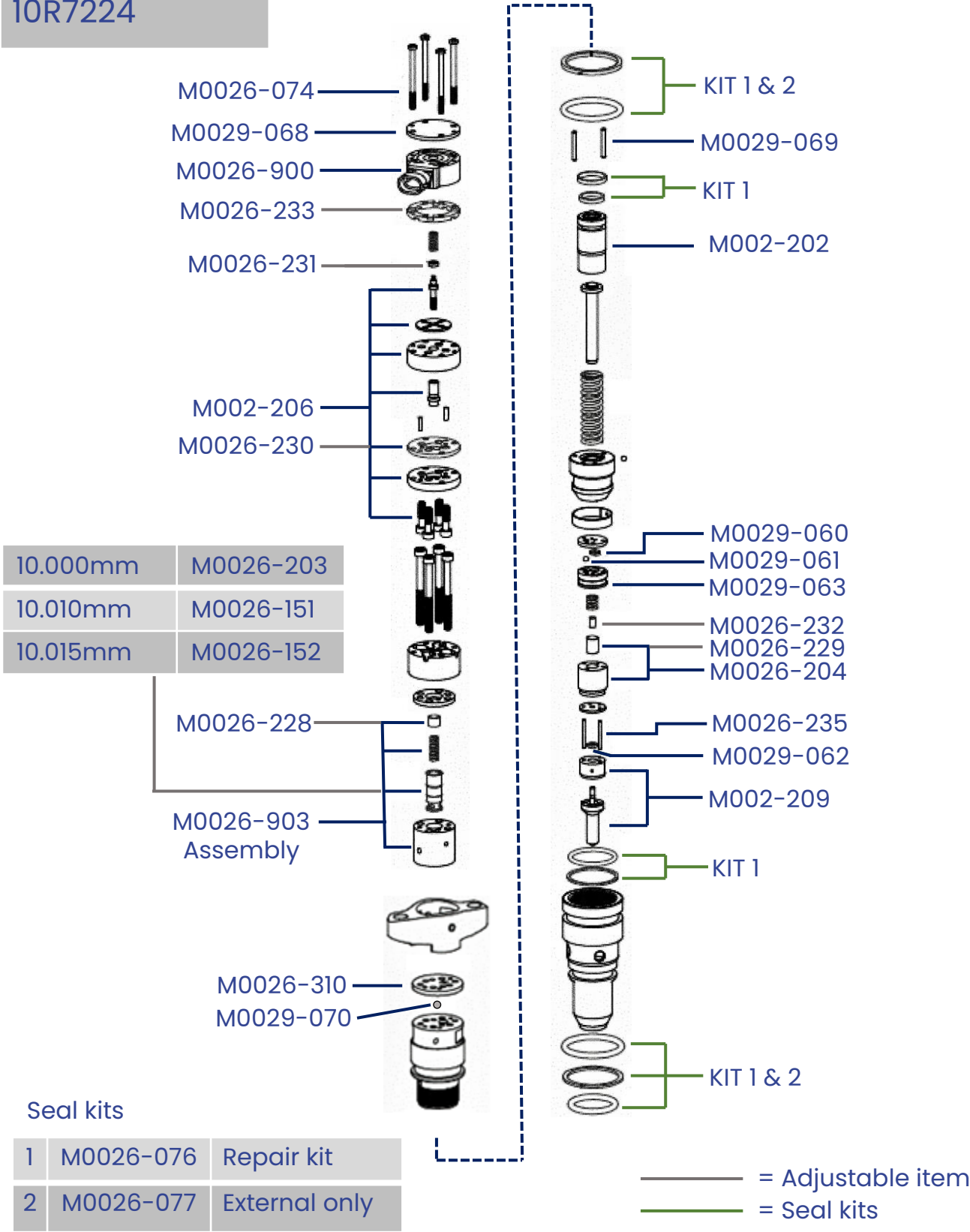
— = Seal kits

CAT C7/C9 HEUI Injector Parts



236-0962

10R7224



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only

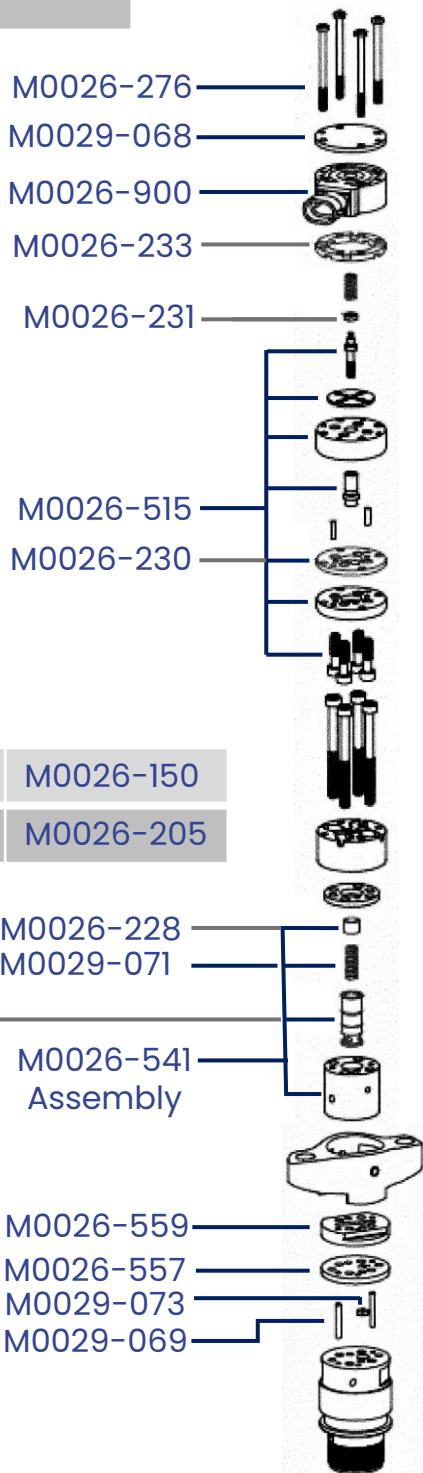


CAT C7/C9 HEUI Injector Parts



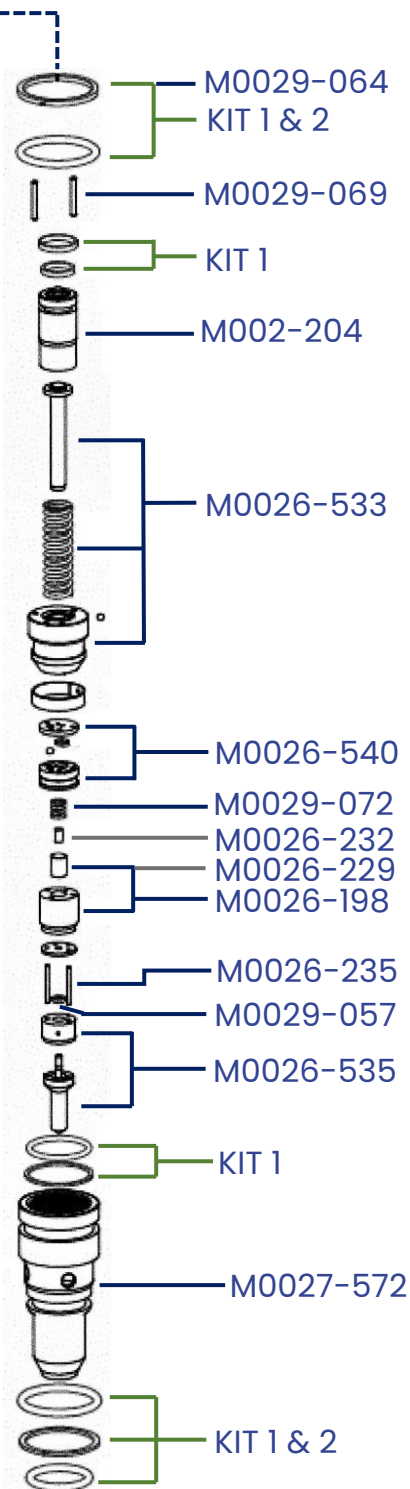
557-7627

10R7225



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only



— = Adjustable item

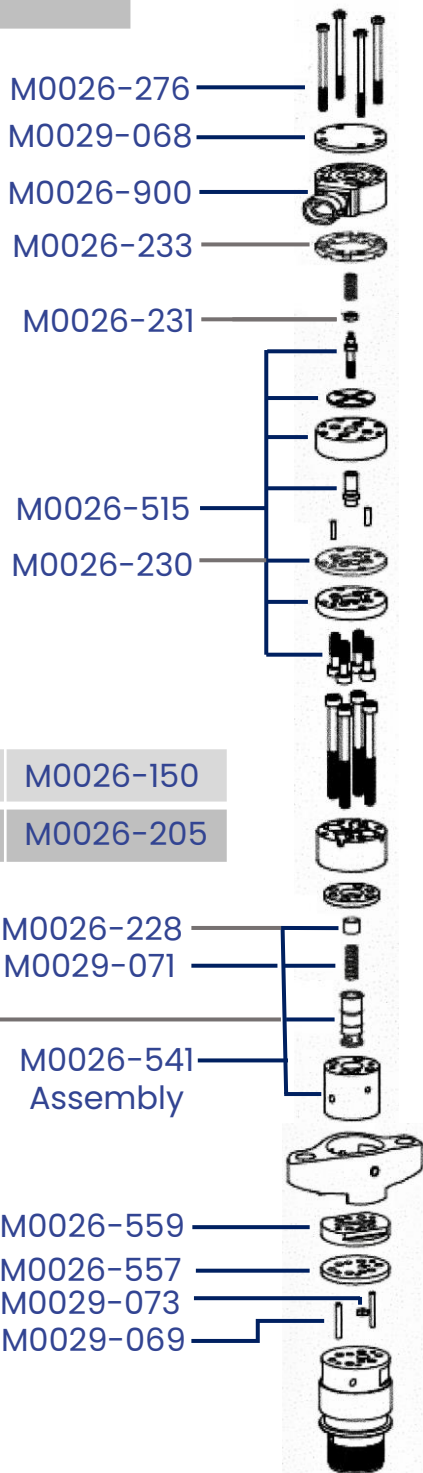
— = Seal kits

CAT C7/C9 HEUI Injector Parts



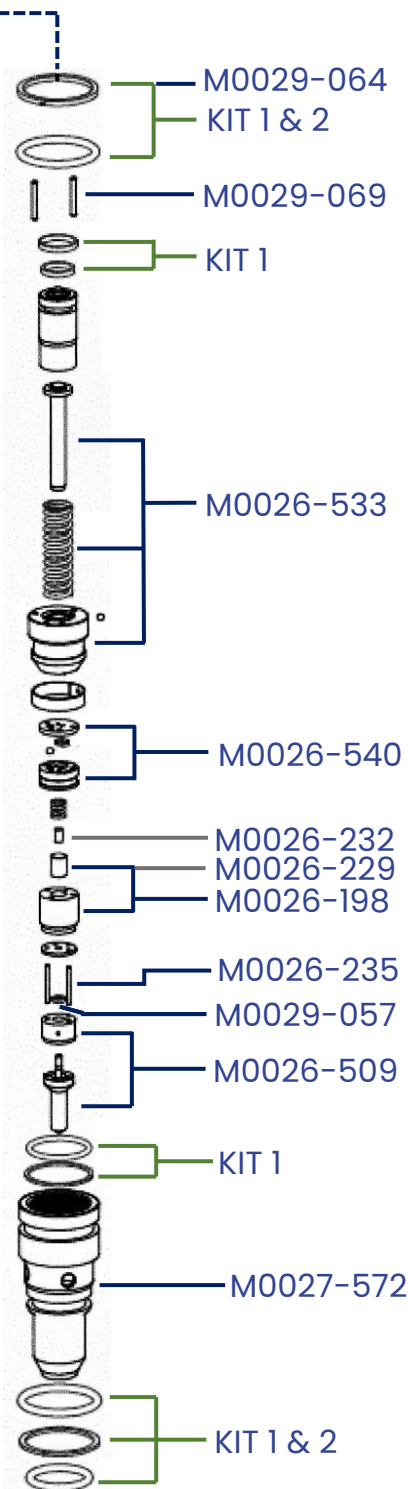
387-9434

20R8063



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only



— = Adjustable item

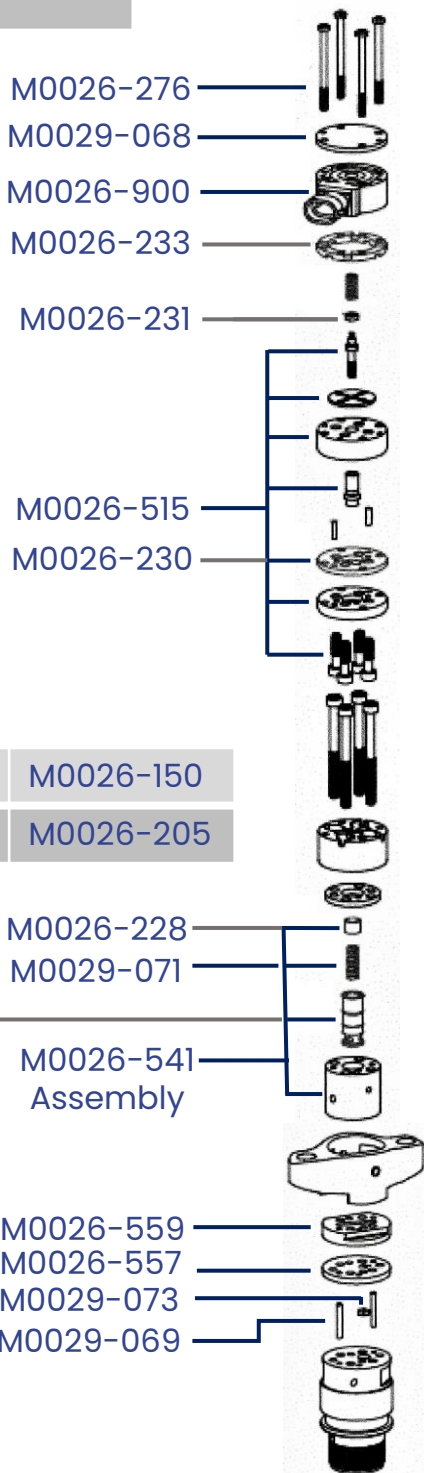
— = Seal kits

CAT C7/C9 HEUI Injector Parts



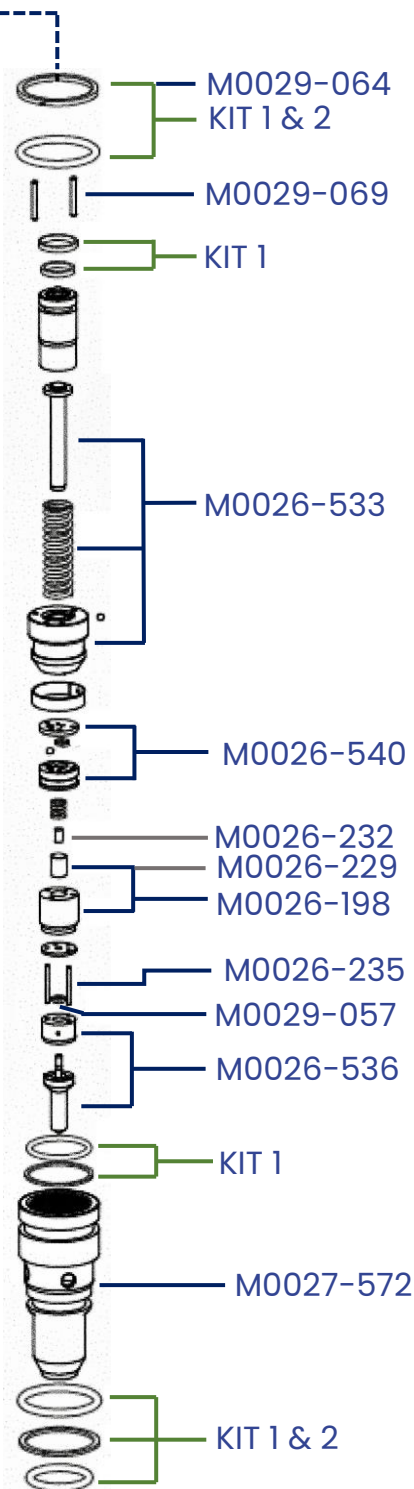
387-9432

20R8065



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only



— = Adjustable item

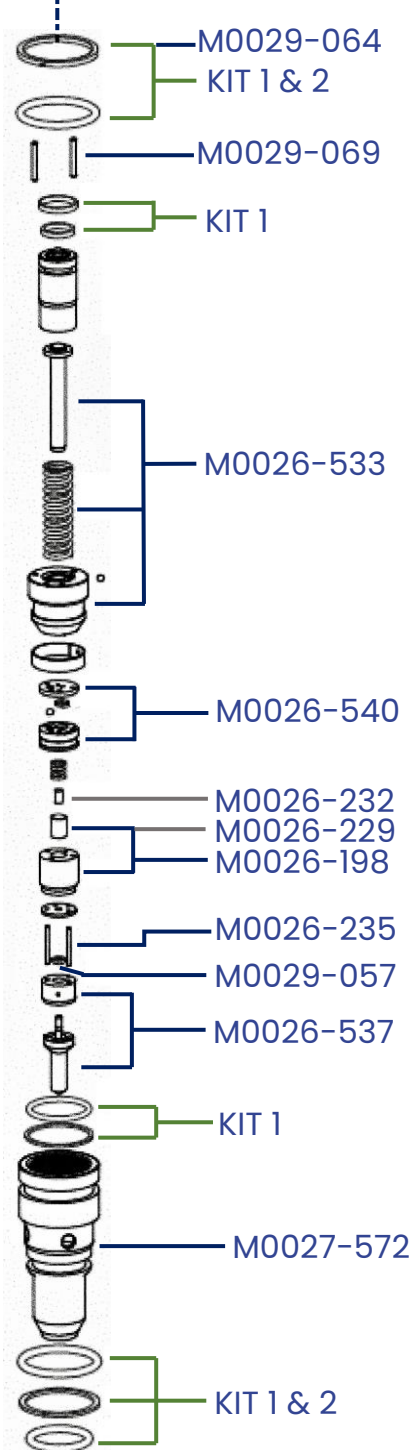
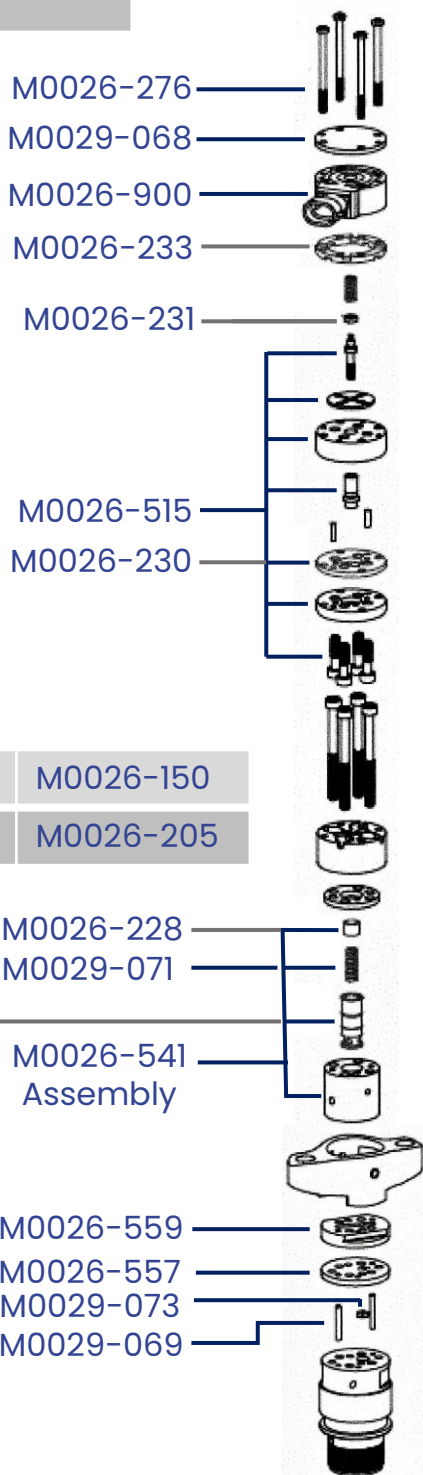
— = Seal kits

CAT C7/C9 HEUI Injector Parts



387-9439

20R8061



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only

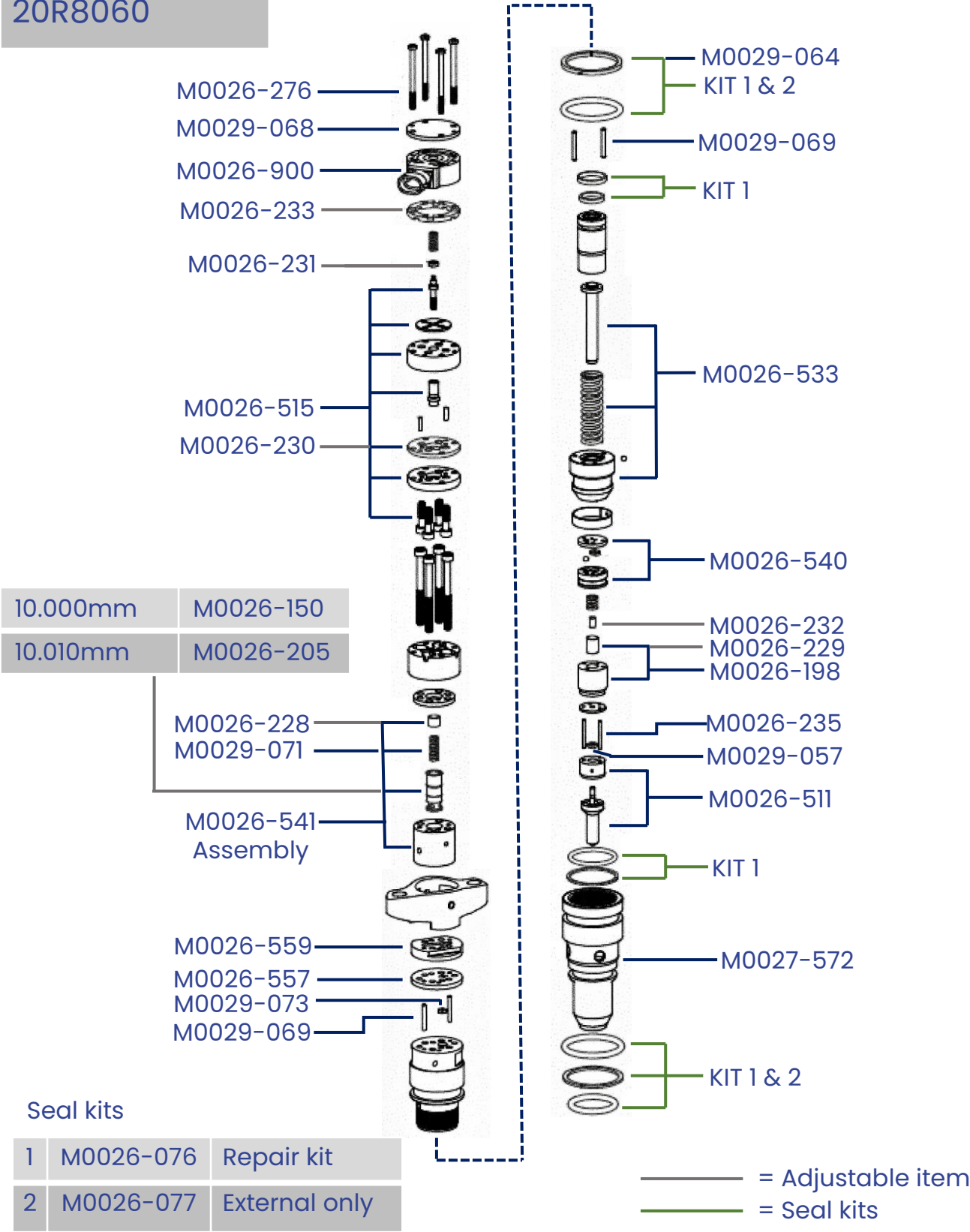
— = Adjustable item
— = Seal kits

CAT C7/C9 HEUI Injector Parts



387-9438

20R8060



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only

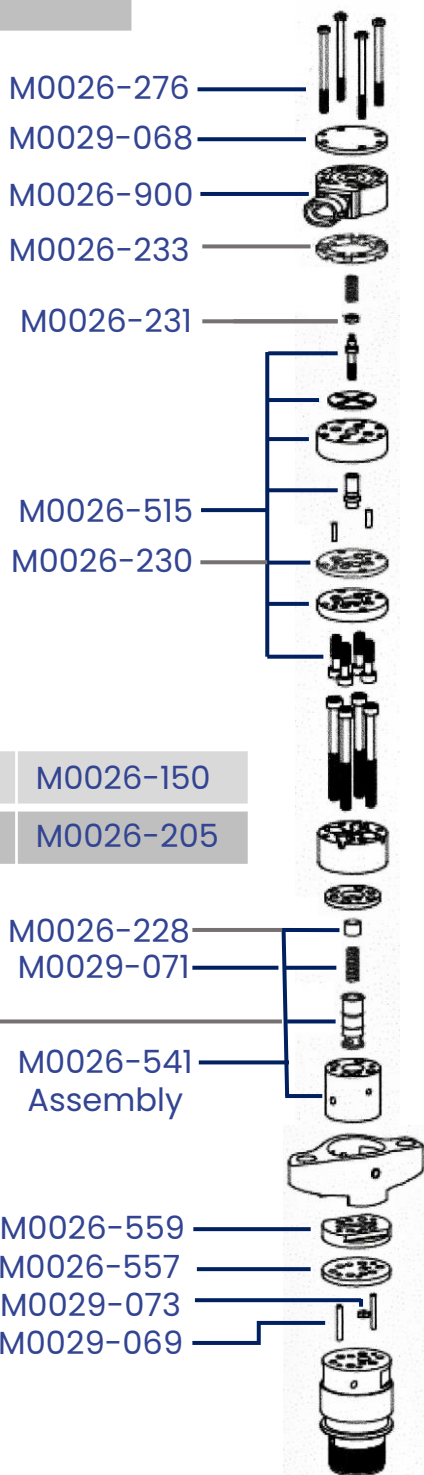


CAT C7/C9 HEUI Injector parts



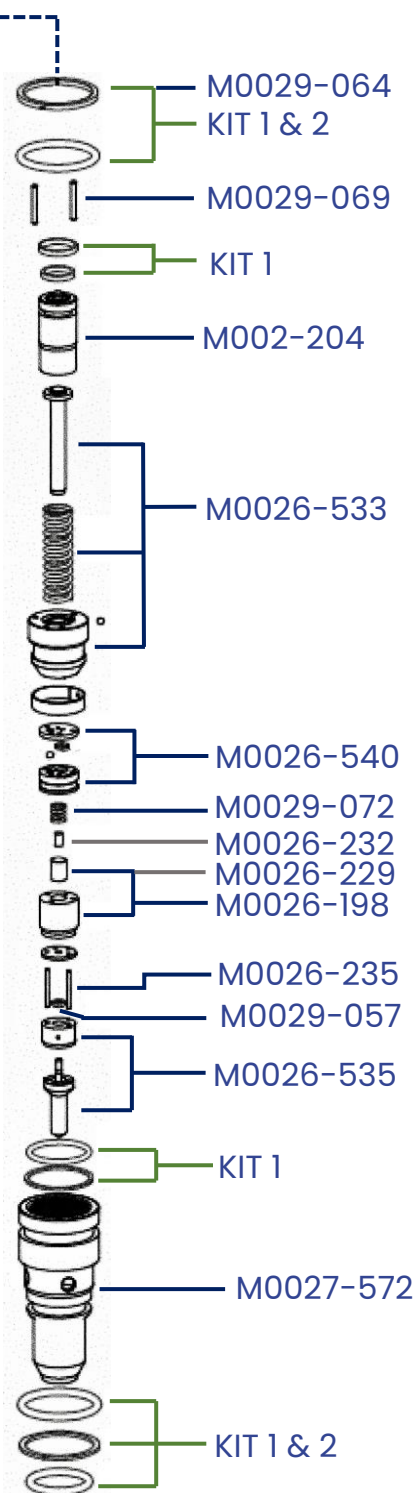
387-9428

20R8059



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only



— = Adjustable item

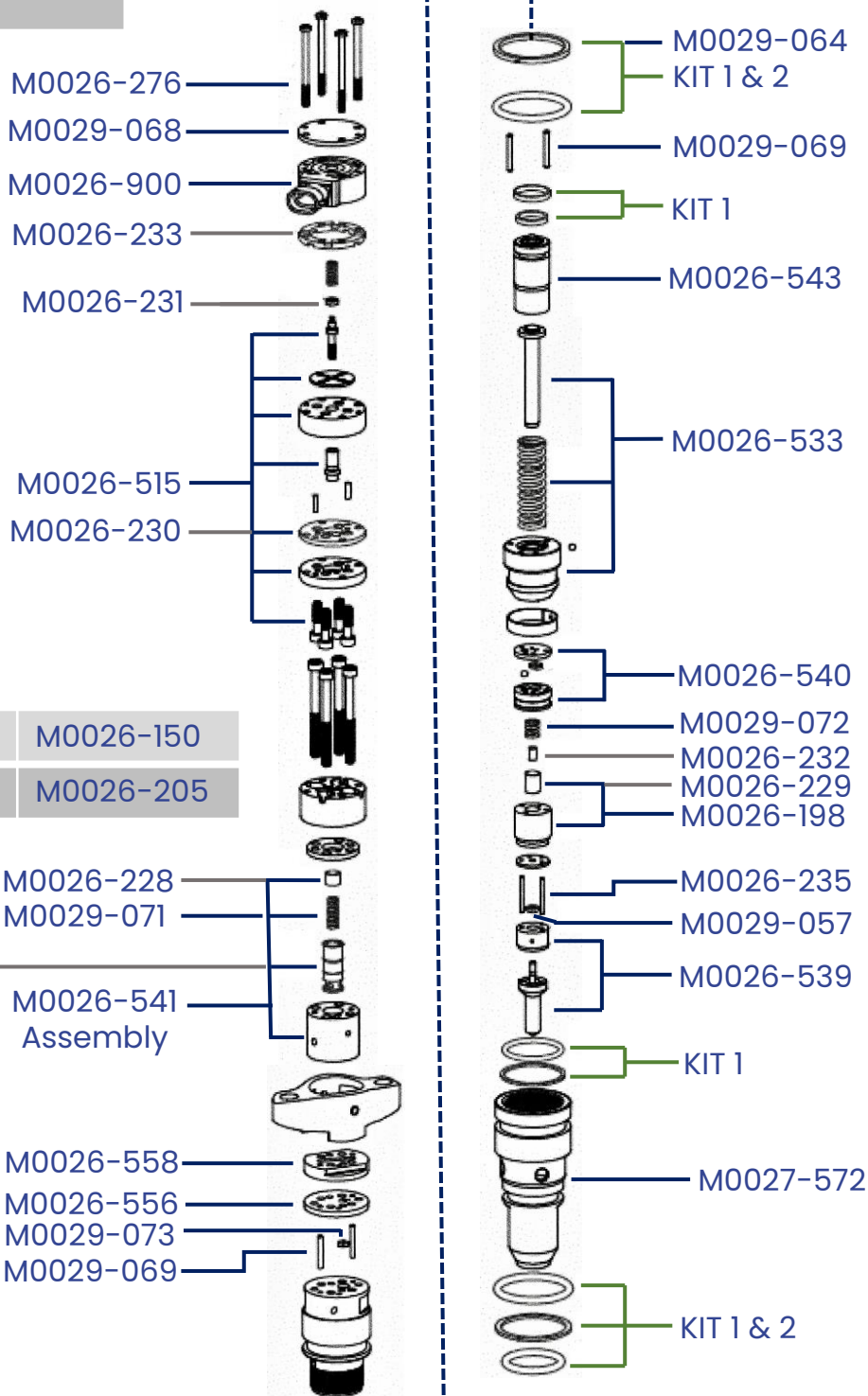
— = Seal kits

CAT C7/C9 HEUI Injector Parts



387-9429

20R8058



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only

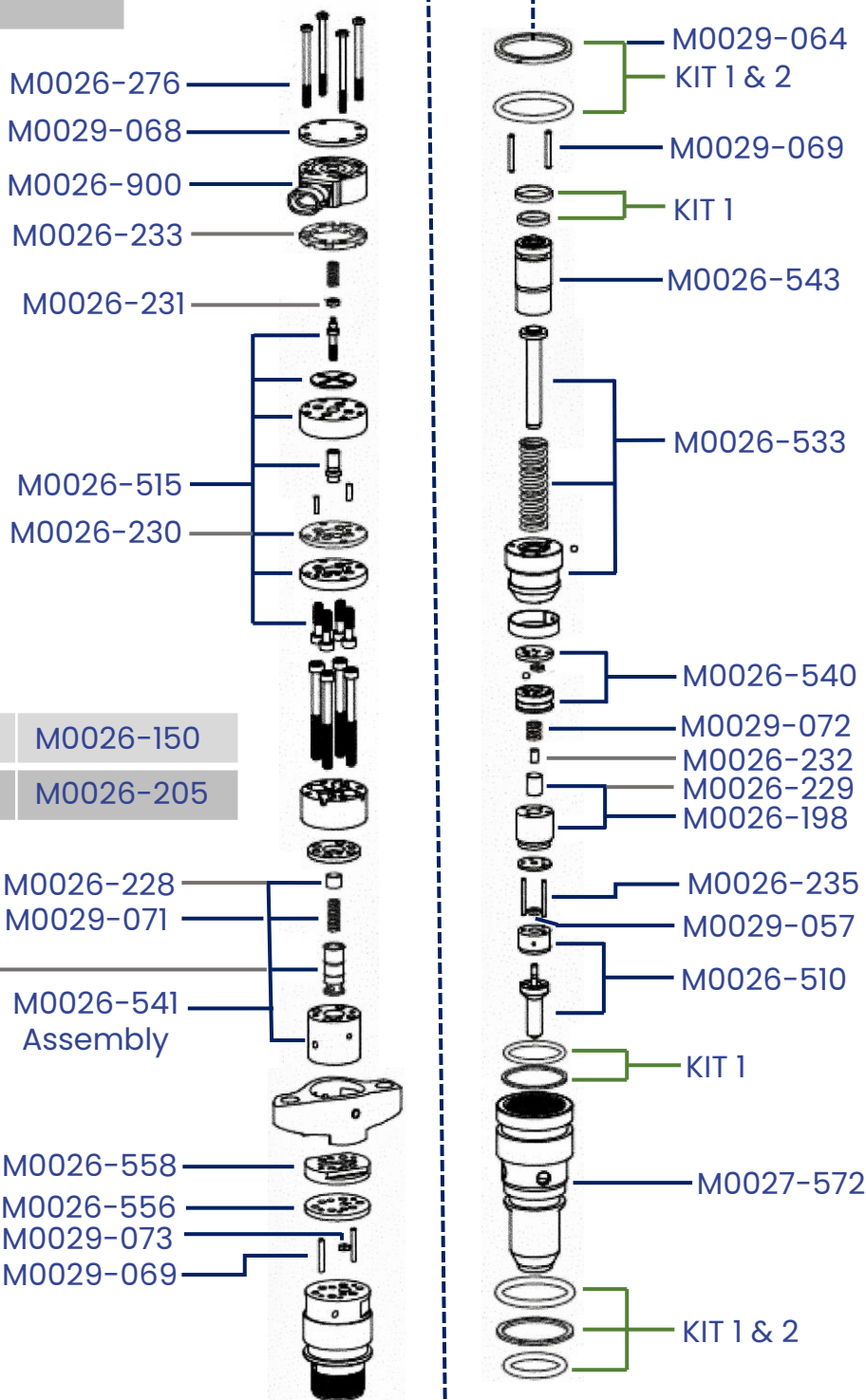
— = Adjustable item
 — = Seal kits

CAT C7/C9 HEUI Injector Parts



387-9430

20R8057



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only

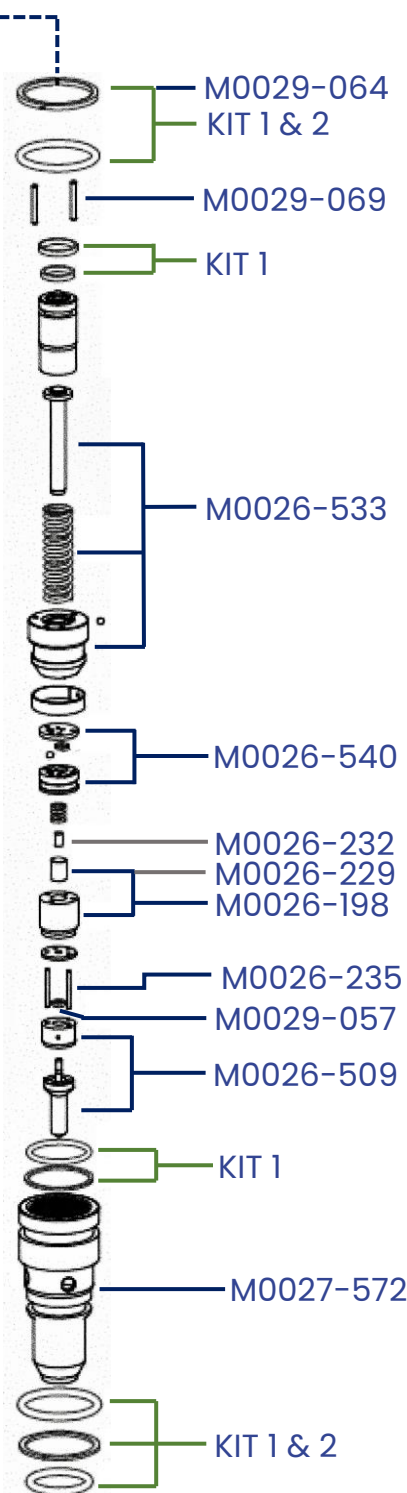
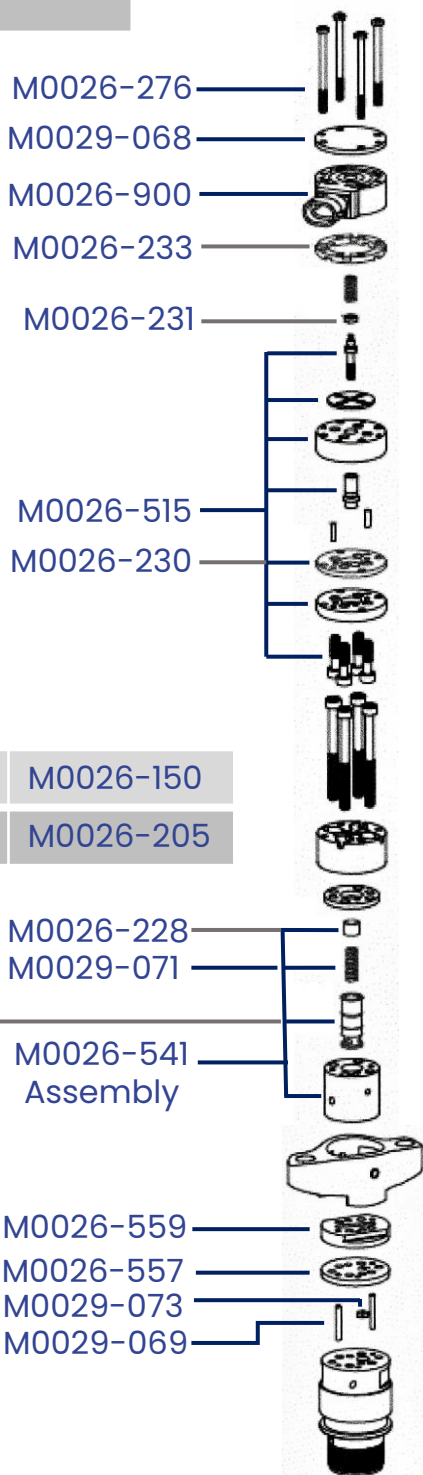
— = Adjustable item
 — = Seal kits

CAT C7/C9 HEUI Injector Parts



387-9440

20R8070



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only

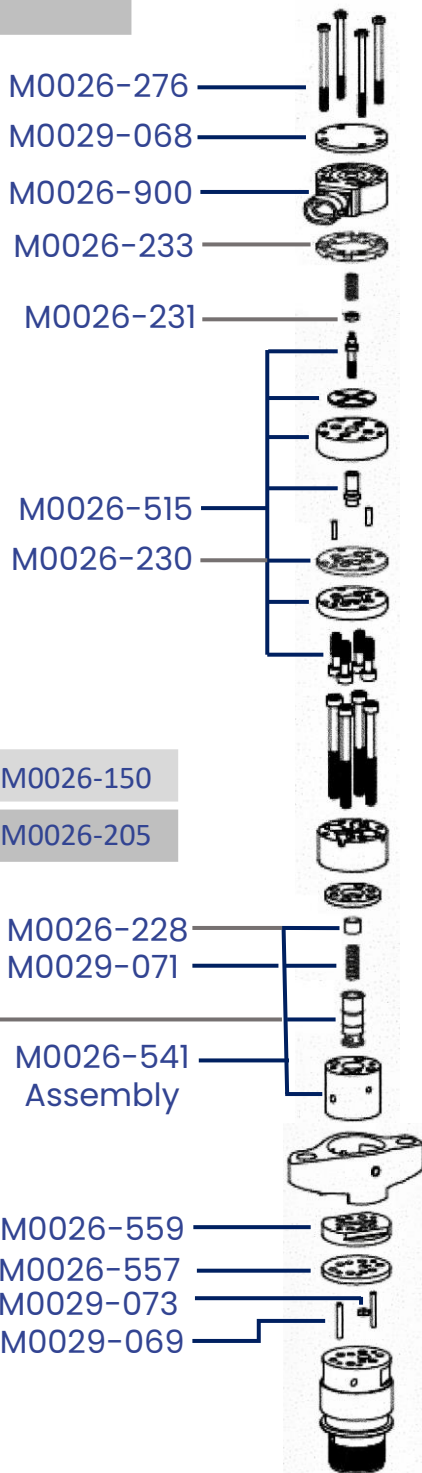
— = Adjustable item
— = Seal kits

CAT C7/C9 HEUI Injector Parts



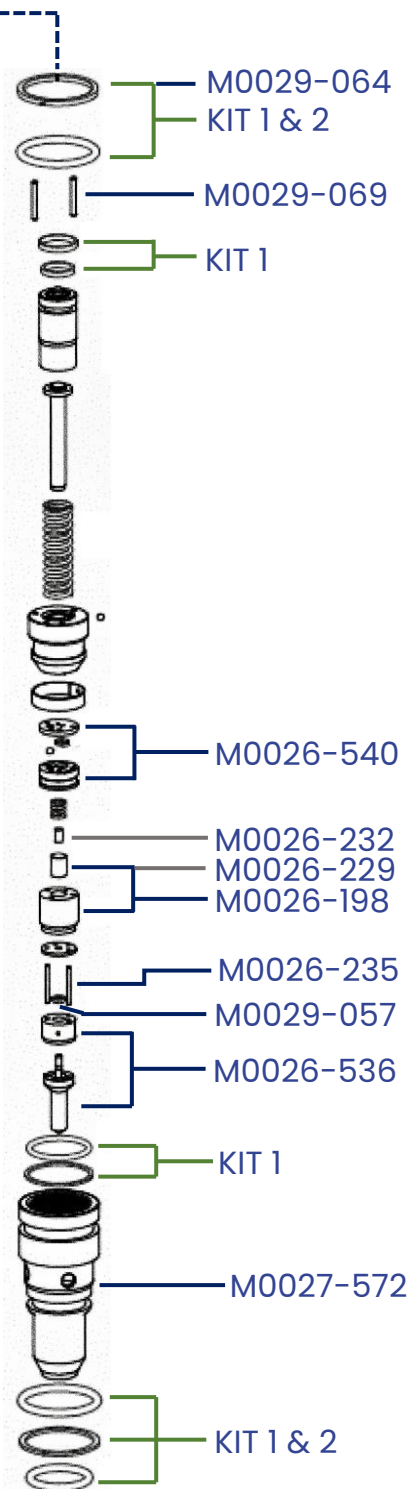
387-9436

20R8068



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only



— = Adjustable item

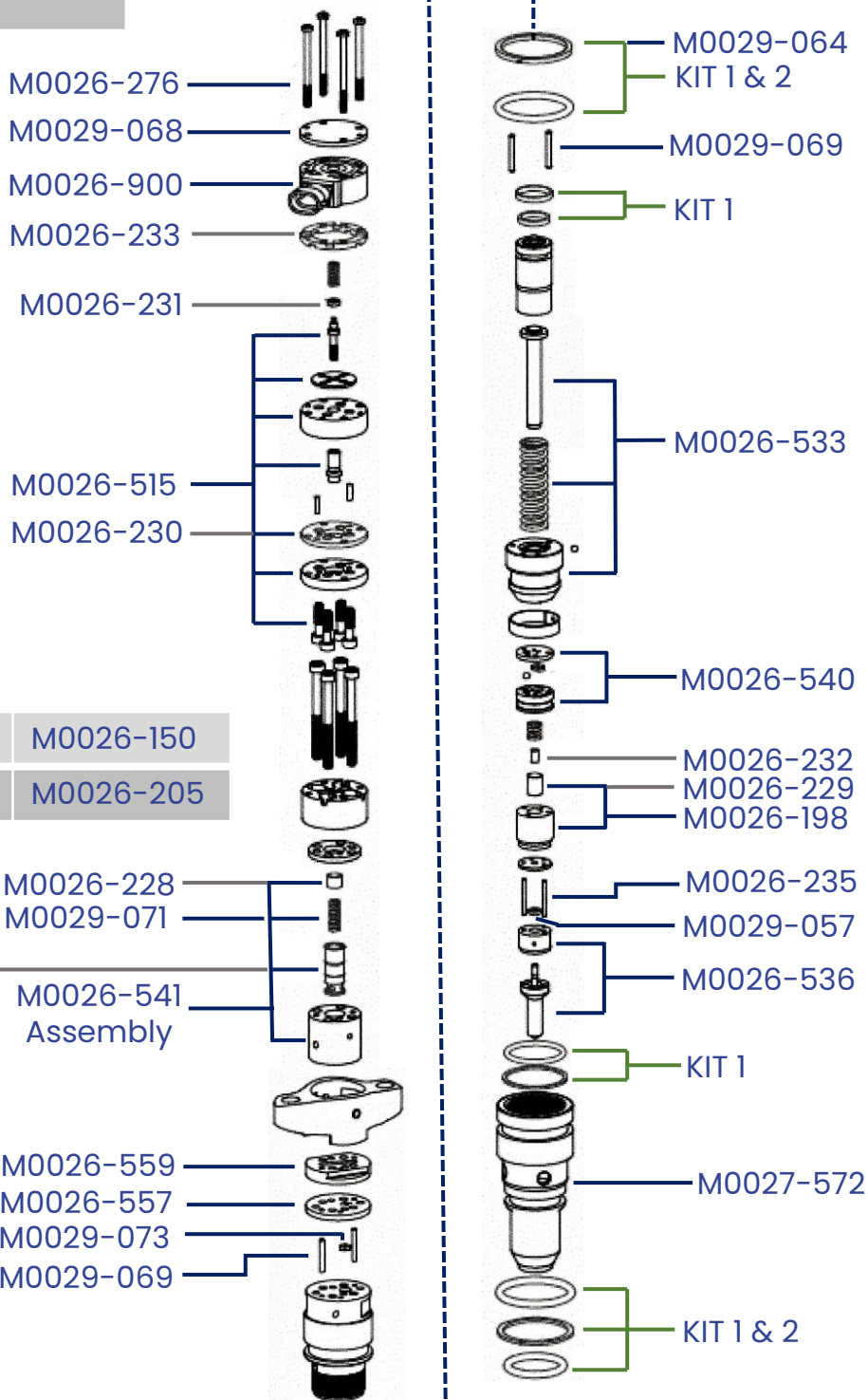
— = Seal kits

CAT C7/C9 HEUI Injector parts



387-9437

20R8062



Seal kits

1	M0026-076	Repair kit
2	M0026-077	External only

— = Adjustable item
— = Seal kits

Parts Index

Part no.	Description	Pack size
M002-202	Intensifier piston	1
M002-204	Intensifier piston	1
M002-206	Control valve	1
M002-209	Nozzle group	1
M0026-076	Seal kit	1
M0026-077	External seal kit	1
M0026-150	Spool valve 10.000mm	1
M0026-151	Spool valve C9 10.010mm	1
M0026-152	Spool valve C9 10.015mm	1
M0026-198	Control valve assembly	1
M0026-203	Spool valve C9 10.000mm	1
M0026-204	Control valve assembly C9	1
M0026-205	Spool valve 10.010mm	1
M0026-235	Locating pins	1
M0026-276	Solenoid screws	12
M0026-310	Plate	1
M0026-509	Nozzle group	1
M0026-510	Nozzle group	1
M0026-511	Nozzle group	1
M0026-515	Control valve assembly	1
M0026-533	Plunger and barrel assembly	1
M0026-535	Nozzle group	1
M0026-536	Nozzle group	1
M0026-537	Nozzle group	1
M0026-539	Nozzle group	1
M0026-540	Check valve assembly	1
M0026-541	Spool valve assembly	1
M0026-543	Intensifier piston	1
M0026-556	Plate	1
M0026-557	Plate	1
M0026-558	Plate	1
M0026-559	Plate	1



Parts Index

Part no.	Description	Pack size
M0026-900	Solenoid	1
M0026-903	Spool valve assembly	1
M0027-572	Cap Nut	1
M0029-057	Seal	1
M0029-060	Check plate	1
M0029-061	Check ball	1
M0029-062	Nozzle seal	1
M0029-063	Check body	1
M0029-064	Thick plastic spacer to replace steel ring	1
M0029-068	Top plate	1
M0029-069	Dowel	1
M0029-070	Ball	1
M0029-071	Spool valve spring- New type	1
M0029-072	Nozzle spring	1
M0029-073	Check plate	1

Individual Adjustable items from kits

M0026-228

Spool valve Shims

Box 1

Number	Size mm
M0026-153	4.5
M0026-154	4.6
M0026-155	4.7
M0026-156	4.8
M0026-157	4.9
M0026-158	5.0
M0026-159	5.1
M0026-160	5.2
M0026-161	5.3
M0026-162	5.4
M0026-163	5.5
M0028-2566	5.6
M0028-2567	5.7
M0028-2568	5.8
M0028-2569	5.9
M0028-2570	6.0

Box 2

Number	Size mm
M0026-164	4.5
M0026-165	4.6
M0026-166	4.7
M0026-167	4.8
M0026-168	4.9
M0026-169	5.0
M0026-170	5.1
M0026-171	5.2
M0026-172	5.3
M0026-173	5.4
M0026-174	5.5

M0026-229

Control stand pistons

Box 1

Number	Size mm
M0026-175	9.65
M0026-176	9.70
M0026-177	9.75
M0026-178	9.80
M0026-179	9.85
M0026-180	9.90
M0026-181	9.95
M0026-182	10.00
M0026-183	10.05
M0026-184	10.10
M0026-185	10.15
M0026-186	10.20
M0026-187	10.25
M0026-188	10.30

Box 2

Number	Size mm
M0026-189	5.80
M0026-190	5.85
M0026-191	5.90
M0026-192	5.95
M0026-193	6.00
M0026-194	6.05
M0026-195	6.10
M0026-196	6.15
M0026-197	6.20

Individual Adjustable items from kits

M0026-230

Poppet valve shims

Box 1

Number	Size mm
M0026-091	2.15
M0026-092	2.16
M0026-093	2.17
M0026-094	2.18
M0026-095	2.19
M0026-096	2.20
M0026-097	2.21
M0026-098	2.22
M0026-099	2.23
M0026-100	2.24
M0026-101	2.25

Box 2

Number	Size mm
M0026-102	1.15
M0026-103	1.16
M0026-104	1.17
M0026-105	1.18
M0026-106	1.19
M0026-107	1.20
M0026-108	1.21
M0026-109	1.22
M0026-110	1.23
M0026-111	1.24
M0026-112	1.25

M0026-231

Solenoid spring shim

Box 1

Number	Size mm
M0026-113	1.50
M0026-114	1.55
M0026-115	1.60
M0026-116	1.65
M0026-117	1.70
M0026-118	1.75
M0026-119	1.80
M0026-120	1.85
M0026-121	1.90

Box 2

Number	Size mm
M0026-122	2.70
M0026-123	2.75
M0026-124	2.80
M0026-125	2.85
M0026-126	2.90
M0026-127	2.95
M0026-128	3.00
M0026-129	3.05
M0026-130	3.10
M0026-131	3.15
M0026-132	3.20
M0026-133	3.25
M0026-134	3.30

Individual Adjustable items from kits

M0026-232

Needle lift pins

Number	Size mm
M0028-2747	6.20
M0028-2748	6.22
M0028-2749	6.24
M0028-2750	6.26
M0028-2751	6.28
M0028-2047	6.30
M0028-2048	6.32
M0028-2049	6.34
M0028-2050	6.36
M0028-2051	6.38
M0026-135	6.40
M0026-136	6.42
M0026-137	6.44
M0026-138	6.46
M0026-139	6.48
M0026-140	6.50
M0026-141	6.52
M0026-142	6.54
M0026-143	6.56
M0026-144	6.58
M0026-145	6.60

M0026-233

Armature gap shims

Number	Size mm
M0028-2771	2.89
M0028-2772	2.91
M0026-148	2.93
M0026-149	2.95
M0026-146	2.97
M0026-147	2.99
M0028-2773	3.01



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