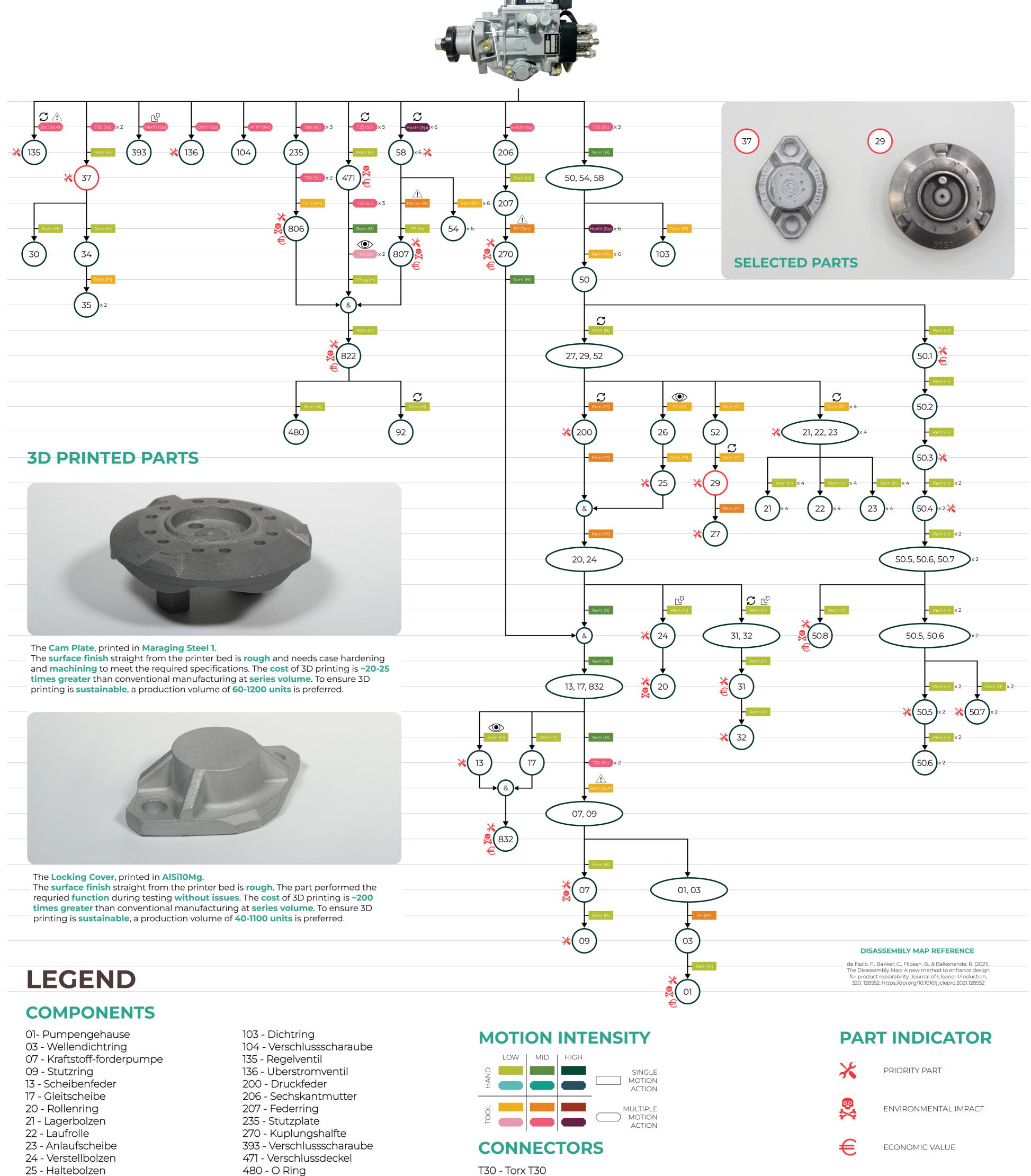
BOSCH VP30 DISTRIBUTOR PUMP DISASSEMBLY MAP

A disassembly map showcasing the product architecture, priority components with emphasis on 3D printed spare parts



- 26 Haltebugel 27 - Kreuzscheibe
- 29 Hubscheibe
- 30 Dichtblech 31 - Spritzverstellerkolben
- 32 Gleitstuck
- 34 Druckfeder 35 - Aushwahlgruppe Distanzscheibe
- 37 Verschlussdeckel 50 - Verteilerkorper (SA)
- 52 Aushwahlgruppe Ausgleichscheibe
- 54 Dichtscheibe
- 58 Anschlussstutzen
- 92 Dichtring

- 806 Teilesatz Magnetventil (SA) 807 - Teilesatz Magnetventil DMV 11 (SA)
- 822 Teilesatz Steuergerat (SA)
- 832 Teilesatz Antriebswelle
- 50.1 Verteilerkolben
- 50.2 Ausgleichscheibe
- 50.3 Federbrucke 50.4 - Druckfeder
- 50.5 Federteller
- 50.6 Aushwahlgruppe Distanzscheibe
- 50.7 Fuhrungsstift 50.8 - Anschlussflansch

T25 - Torx T25 T20 - Torx T20

T10 - Torx T10

Hex22 - Hexagonal Head #22 Hex14 - Hexagonal Head #14 Hex10 - Hexagonal Head #10 Oct17 - Octagonal Head #17

Al #7 - Allen Head #7 CPlug - Cable Plug Soc - Socket SF - Snap Fit

FF - Friction Fit RN - Retaining Nut Rem - Removal Action

TOOLS

Sc - Screwdriver PI - Pliers Ham - Hammer H - Hands Sp - Spanner Ak - Allen Key

Ten - Tensioner Sc.At - Screw Attachment LoP - Locking Pin So.At - Socket Attachment

PENALTY POINTS



PRODUCT MANIPULATION

LOW VISIBILITY/ **IDENTIFIABILITY**

UNCOMMON TOOL

F₂

DIFFERENT REASSEMBLY SEQUENCE

Sanjay Kumar

Investigating Metal 3D Printing of Spare Parts for Remanufacturing Fuel Injection Pumps

28 July 2022

Integrated Product Design - MVE

Committee Prof. dr. ir. C. A. Bakker

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