

Field Engineering and Technology**Review of *Motor Industry* unit standards**

Subfield	Domain	ID
Motor Industry	Automotive Fuel Systems and Exhaust	5435, 11732, 11734-11736, 11740, 15382, 15397, 15402, 23806, 24183, 24184, 24186-24188, 24190, 24193-24197, 24200-24230, 24232, 24233, 24236, 24238-24240

MITO New Zealand Incorporated has completed the review of the unit standards listed above.

Summary

These unit standards were due for review. It was identified that these unit standards had had little or no usage over the past five years and were, therefore, considered to be no longer required.

All organisations with consent to assess against these standards were advised of the intended expiry and no objections to the proposed expiry were received. Feedback was also invited through a consultation period on the MITO website during March 2018, and no feedback objecting to the proposed expiry was received from the consultation.

Main changes

The unit standards were set to expire without replacement.

These Category D unit standards will expire at the end of December 2020**Detailed list of unit standards – classification, title, level, and credits**

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same ID and the same version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

Engineering and Technology > Motor Industry > Automotive Fuel Systems and Exhaust

ID	Title	Level	Credit	Review Category
5435	Diagnose and rectify faults in automotive supercharging systems, and recondition superchargers	4	4	D
11732	Determine requirements and make an exhaust muffler to a sample or drawing	4	8	D
11734	Design, fabricate, and fit a non-standard exhaust system	5	5	D
11735	Select, make, and fit exhaust brackets and mounts	2	2	D
11736	Copy, make, and fit an exhaust tube to a vehicle or machine	4	4	D
11740	Install and commission domestic LPG systems and appliances in caravans and/or boats	4	6	D
15382	Remove and refit a turbocharger to an engine	2	2	D

ID	Title	Level	Credit	Review Category
15397	Repair two-spring type diesel fuel injectors	4	4	D
15402	Diagnose faults in diesel fuel injectors on an engine, and remove and replace injectors	3	3	D
23806	Demonstrate knowledge of exhaust system tuning for performance and noise in competition race vehicles	5	4	D
24183	Demonstrate knowledge of engine tuning procedures and equipment malfunction causes on CNG fuelled vehicles	4	2	D
24184	Diagnose and rectify faults in a compressed natural gas (CNG) vehicle fuel system	4	4	D
24186	Install a liquefied petroleum gas (LPG) vehicle fuel system	4	4	D
24187	Demonstrate knowledge of compressed natural gas (CNG) vehicle fuel systems	4	2	D
24188	Install a compressed natural gas (CNG) vehicle fuel system	4	3	D
24190	Diagnose and rectify faults in a carburetted motorcycle fuel system	4	4	D
24193	Demonstrate knowledge of Cummins PT diesel fuel injection pumps	4	2	D
24194	Diagnose faults and overhaul a Cummins PT diesel fuel injection pump	4	4	D
24195	Demonstrate knowledge of diesel fuel injectors	3	4	D
24196	Repair diesel fuel injectors	4	4	D
24197	Overhaul Cummins diesel fuel injectors	4	3	D
24200	Demonstrate knowledge of Simms Minimec diesel fuel injection pumps	4	2	D
24201	Overhaul a Simms Minimec diesel fuel injection pump	4	6	D
24202	Demonstrate knowledge of DPA-type diesel fuel injection pumps	4	2	D
24203	Overhaul a DPA-type diesel fuel injection pump	4	6	D
24204	Demonstrate knowledge of DPS-type diesel fuel injection pumps	4	2	D
24205	Overhaul a DPS-type diesel fuel injection pump	4	6	D
24206	Demonstrate knowledge of P-type diesel fuel injection pumps	4	2	D
24207	Overhaul a P-type diesel fuel injection pump	4	6	D
24208	Demonstrate knowledge of A-type diesel fuel injection pumps	4	2	D
24209	Overhaul an A-type diesel fuel injection pump	4	6	D
24210	Demonstrate knowledge of VE-type diesel fuel injection pumps	4	2	D
24211	Overhaul a VE-type diesel fuel injection pump	4	6	D
24212	Demonstrate knowledge of RSV-type diesel governors	4	2	D
24213	Overhaul a RSV-type diesel fuel governor	4	4	D
24214	Demonstrate knowledge of RQ-type and RQV-type diesel governors	4	2	D
24215	Overhaul an RQ-type or RQV-type diesel fuel governor	4	4	D
24216	Demonstrate knowledge of RAD-type and RFD-type diesel governors	4	2	D

ID	Title	Level	Credit	Review Category
24217	Overhaul an RAD-type or RFD-type diesel governor	4	4	D
24218	Demonstrate knowledge of R801-type and R901-type diesel governors	4	2	D
24219	Overhaul an R801-type or R901-type diesel governor	4	4	D
24220	Demonstrate knowledge of RLD-type diesel governors	4	2	D
24221	Overhaul an RLD-type diesel governor	4	4	D
24222	Demonstrate knowledge of VE-type diesel injection pump additional devices	4	2	D
24223	Overhaul VE-type diesel fuel injection pump additional devices	4	6	D
24224	Demonstrate knowledge of Stanadyne diesel fuel injection pumps	4	2	D
24225	Overhaul a Stanadyne diesel fuel injection pump	4	6	D
24226	Demonstrate knowledge of Caterpillar diesel fuel injection pumps	4	2	D
24227	Overhaul a Caterpillar diesel fuel injection pump	4	10	D
24228	Demonstrate knowledge of DPC-type diesel fuel injection pumps	4	2	D
24229	Overhaul a DPC-type diesel fuel injection pump	4	6	D
24230	Demonstrate knowledge of EP9-type diesel fuel injection pumps	4	2	D
24232	Demonstrate knowledge of turbocharger diagnostic procedures	4	2	D
24233	Diagnose faults and recondition an automotive turbocharger	4	5	D
24236	Repair and/or replace a motorcycle or all-terrain vehicle (ATV) exhaust system	3	2	D
24238	Demonstrate knowledge of trailer boat fuel chemistry and fuel service requirements	4	2	D
24239	Demonstrate knowledge of Denso electronically controlled diesel (ECD) fuel injection pumps	4	2	D
24240	Demonstrate knowledge of Bosch VP44 diesel fuel injection pumps	4	2	D