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L7e-B L7e-C	Heavy all terrain quad Heavy quadrimobile	PI/PI Hybrid	Euro 4	2 000	550	250	—	ECE R40
		CI/CI Hybrid	Euro 4	1 000	100	550	80 ⁽⁸⁾	ECE R40

(A2)

EURO 5

Vehicle category	Vehicle category name	Propulsion class	Euro Level ⁽⁴⁾	Mass of carbon monoxide(CO)	Mass of total hydrocarbons (THC)	Mass of Non- oxides hydrocarbons (NMHC)	Mass of oxides (NO _x)	Mass of particulate matter(PM)	Test cycle
				L ₁ (mg/ km)	L _{2A} (mg/ km)	L _{2B} (mg/ km)	L ₃ (mg/ km)	L ₄ (mg/ km)	
L1e-A	Powered cycle	PI/CI/ Hybrid	Euro 5	500	100	68	60	4,5 ⁽⁹⁾	Revised WMTC ⁽¹⁰⁾
L1e-B- L7e	All other L- category vehicles	PI/ PI Hybrid	Euro 5	1 000	100	68	60	4,5 ⁽⁹⁾	Revised WMTC
		CI/CI Hybrid		500	100	68	90	4,5	Revised WMTC

(B) On-board diagnostics emission thresholds

(B1)

EURO 4, OBD STAGE I

Vehicle category	Vehicle category name	Propulsion class	Euro level	Mass of carbon monoxide(CO)	Mass of total hydrocarbons (THC)	Mass of oxides nitrogen (NO _x)	Test cycle
				OT ₁ (mg/ km)	OT ₂ (mg/ km)	OT ₃ (mg/ km)	
L6e-A	—	PI, CI or On road light quad Hybrid	Euro 4	3 610	2 690	850	ECE R47
L3e ⁽⁵⁾ L4e ⁽⁷⁾ L5e-A L7e-A	—	PI/PI Hybrid motorcycle with max 30 km/h	Euro 4	2 170	1 400	350	WMTC, stage 2

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	and PI/PI without side-car $v_{max} \geq 130$ km/h	2 170	630	450	WMTC, stage 2
—	Tricycle				
—	Heavy CI on-road quad	2 170	630	900	WMTC, stage 2

(B2)

EURO 5, OBD STAGE I AND OBD STAGE II ⁽⁴⁾

Vehicle category	Vehicle category name	Propulsion class	Euro level	Mass of carbon monoxide (CO)	Mass of Non-hydrocarbons (NMHC)	Mass of oxides of nitrogen (NO _x)	Mass of particulate matter (PM)	Test cycle
				OT ₁ (mg/km)	OT ₂ (mg/km)	OT ₃ (mg/km)	OT ₄ (mg/km)	
L3e-L7e ⁽⁶⁾	All L category vehicles except category L1e and L2e	PI/PI Hybrid	Euro 5	1 900	250	300	50	Revised WMTC
		CI/CI Hybrid	Euro 5	1 900	320	540	50	Revised WMTC

(C) Evaporative emission limits

(C1)

EURO 4

Vehicle category	Vehicle category name	Propulsion class	Euro level	Mass of total hydrocarbons (THC)(mg/test)	Test cycle
L3e L4e ⁽⁷⁾	Two-wheel motorcycle ⁽¹³⁾ with and without side-car	PI ⁽¹¹⁾	Euro 4	2 000	SHED
L5e-A	Tricycle	PI ⁽¹¹⁾	Euro 4		
L6e-A	Light on-road quad	PI ⁽¹¹⁾	Euro 4		

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L7e-A	Heavy on-road quad	PI ⁽¹¹⁾	Euro 4		
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(C2)

EURO 5

Vehicle Class ⁽¹²⁾	Vehicle category name	Propulsion Class	Euro level	Permeation test(mg/m ² /day)		Mass of total hydrocarbons (THC) in SHED test(mg/test)
				Fuel tank	Fuel tubing	
L1e-A	Powered cycle	PI ⁽¹¹⁾	Euro 5	1 500	15 000	1 500
L1e-B	Two-wheel moped		Euro 5	1 500	15 000	1 500
L2e	Three-wheel moped		Euro 5	1 500	15 000	1 500
L3e L4e ⁽⁷⁾	Two-wheel motorcycle with and without side-car		Euro 5			1 500
L5e-A	Tricycle		Euro 5			1 500
L5e-B	Commercial tricycle		Euro 5	1 500	15 000	1 500
L6e-A	Light on-road quad		Euro 5			1 500
L6e-B	Light quadri-mobile		Euro 5	1 500	15 000	1 500
L7e-A	Heavy on-road quad		Euro 5			1 500
L7e-.B	All terrain quad		Euro 5	1 500	15 000	1 500
L7e-C	Heavy quadri-mobile	Euro 5	1 500	15 000	1 500	

(D) Sound-level limits — Euro 4 and Euro 5

Vehicle category	Vehicle category name	Euro 4 sound level ⁽¹⁴⁾ (dB(A))	Euro 4 test procedure ⁽¹⁶⁾	Euro 5 sound level ⁽¹⁵⁾ (dB(A))	Euro 5 test procedure
L1e-A	Powered cycle	63 ⁽¹⁴⁾	Delegated act/UNECE regulation No 63		UNECE regulation No 63
L1e-B	Two-wheel moped $v_{\max} \leq 25$ km/h	66			
	Two-wheel moped $v_{\max} \leq 45$ km/h	71			
L2e	Three-wheel moped	76	Delegated act/UNECE regulation No 9		UNECE regulation No 9
L3e	Two-wheel motorcycle Engine capacity ≤ 80 cm ³	75	Delegated act/UNECE regulation No 41		UNECE regulation No 41
	Two-wheel motorcycle 80 cm ³ < Engine capacity ≤ 175 cm ³	77			
	Two-wheel motorcycle Engine capacity > 175 cm ³	80			
L4e	Two-wheel motorcycle with side-car	80			
L5e-A	Tricycle	80	Delegated act/UNECE regulation No 9		UNECE regulation No 9
L5e-B	Commercial tricycle	80			
L6e-A	Light on-road quad	80	Delegated act/UNECE regulation No 63		UNECE regulation No 63
L6e-B	Light quadrimobile	80	Delegated act/UNECE		UNECE regulation No 9

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L7e-A	Heavy on-road quad	80	regulation No 9		
L7e-B	Heavy all terrain quad	80			
L7e-C	Heavy quadrimobile	80			

NB: refer to the end of Annex VIII for an overview of the notes to the annexes.