

Item and Method of Inspection	Reject If
1 Lamps	
<p>All lamps must comply with designated requirements. Lenses and bulbs must meet CMVSS/FMVSS standards. For reference, please see the Inspection & Approval Protocol for Vehicle Lamps, Lights and Reflectors Document.</p> <p>All lamps mentioned except hazard lamps are to be inspected with head lamps and all other auxiliary lamps on and with brakes applied.</p> <p>a) operation and condition of all required lamps</p> <p>b) device markings on all lamps Markings must be visible on the device lens.</p> <p>c) headlamps A crack is allowed in a halogen lamp with replacement bulb if lamp does not allow moisture in lens.</p> <p>i) number and location</p> <p>ii) colour</p> <p>iii) operation</p> <p>iv) height</p> <p>v) mounting</p>	<p>a) any lamp fails to illuminate, is missing, broken, cracked, insecurely mounted, has moisture visible in interior.</p> <ul style="list-style-type: none"> – any LED in head lamp assembly required for frontal illumination does not function or device does not meet requirements as set out below – 25% or more of LEDs of any one lamp assembly not required for frontal illumination are non-functional, or device does not meet requirements as set out below <p>b) device does not meet CMVSS, DOT or SAE standards or bear CMVSS, DOT, SAE or ECE code labels or clearly show compliance markings.</p> <ul style="list-style-type: none"> – any lens or device covered or coated by a material/substance that reduces light transmittance (internal or external) – lens/illumination device type mismatch <p>i) not two or four on front as far apart as possible</p> <ul style="list-style-type: none"> – low-beam devices are not most outboard light source (or uppermost if arranged vertically) on a four-lamp configuration <p>ii) not white</p> <p>iii) not clearly visible, do not operate on high and low beams, not fully adjustable, not operated by headlamp control</p> <p>iv) height is not between 56 cm and 137 cm (22 to 54 in.) above road surface when measured at centre of lamp</p> <p>v) not permanently mounted</p>

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3-Wheeled Vehicle Inspection Manual • Section 6 – Lamps

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<p>vi) markings</p> <p>Compliant ECE code frontal illumination markings : C R CR C/R HC HR HCR HC/R DC DR DCR DC/R</p> <p>Device must NOT have single directional arrow (→) associated with either of these markings.</p> <p>A double arrow (↔) indicates a switchable beam pattern device and inspector must confirm correct low beam projection setting for LHD traffic pattern.</p>	<p>vi) not clearly labelled with CMVSS/DOT/SAE or compliant ECE code frontal illumination markings</p> <ul style="list-style-type: none"> - any JIS markings present
<p>d) tail lamps</p> <ul style="list-style-type: none"> i) number and location ii) colour iii) operation iv) height v) obstructions vi) markings <p>JIS and ECE code markings are acceptable.</p>	<ul style="list-style-type: none"> i) not two, not located on rear as far apart as practicable ii) not red iii) not clearly visible, proper filament not lit, not operated by headlamp control iv) height is not between 38 cm to 183 cm (15-72 in.) above the road surface v) covered or obscured by any non-OEM part or object <ul style="list-style-type: none"> - covered or coated by material/substance that reduces light transmittance (internal or external) vi) bulbs do not meet CMVSS or are not labelled as such
<p>e) stop lamps</p> <ul style="list-style-type: none"> i) number and location ii) colour iii) operation iv) obstructions v) markings <p>JIS and ECE code devices are acceptable.</p>	<ul style="list-style-type: none"> i) not two, not facing rear as far apart as practicable ii) not red iii) not clearly visible, proper filament not lit iv) covered or obscured by any non-OEM part or object v) bulbs do not meet CMVSS or are not labelled as such
<p>f) high-mount stop lamp</p> <ul style="list-style-type: none"> i) presence <p>Required on passenger vehicles manufactured on and after January 1, 1987.</p>	<ul style="list-style-type: none"> i) not equipped

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ii) operation iii) obstructions iv) markings JIS and ECE code devices are acceptable.	ii) inoperative, connected to turn signal, not activated by brake lamp switch iii) covered or obscured by any non-OEM part or object iv) bulbs do not meet CMVSS or are not labelled as such
g) turn-signal lamps i) number and location ii) colour iii) operation iv) obstructions v) markings JIS and ECE code devices are acceptable.	i) not four, two not facing front, two not facing rear, as far apart as practicable ii) front are not amber, rear are not amber or red iii) proper filament not lit, do not flash between 50 and 130 times per minute, not clearly visible, not operated by turn signal control iv) covered or obscured by any non-OEM part or object v) bulbs do not meet CMVSS or are not labelled as such
h) hazard lamps i) number and location ii) colour iii) operation iv) obstructions v) markings JIS and ECE code devices are acceptable	i) not four, two not facing front, two not facing rear as far apart as practicable ii) front are not amber, rear are not amber or red iii) proper filament not lit, do not flash simultaneously when hazard switch activated iv) covered or obscured by any non-OEM part or object v) bulbs do not meet CMVSS or are not labelled as such
i) side-marker lamps One marker lamp may serve as both side marker and park lamp provided it can be seen from both side and front, and side and rear. i) number and location ii) colour iii) operation iv) height	i) not four, two not located on each side, not installed as close to the corners as practicable and at 90 degrees (+/- 5 degrees) to road surface ii) front are not amber, rear are not red iii) not clearly visible, not activated by head lamp control iv) height is less than 38 cm (15 in.) above road surface

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3-Wheeled Vehicle Inspection Manual • Section 6 – Lamps

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v) obstructions	v) covered or obscured by any non-OEM part or object
vi) markings JIS and ECE code devices are acceptable	vi) bulbs do not meet CMVSS or are not labelled as such
j) clearance lamps (if equipped) Required on vehicles 2.05 m (80 in.) and wider.	
i) number and location	i) not four, two are not facing front, two are not facing rear, not positioned as far apart as practicable
ii) colour	ii) front-facing are not amber, rear-facing are not red
iii) operation	iii) not activated by headlamp control, not clearly visible
k) park lamps (where fitted) Tail lamp filament may serve as a park lamp	
i) number and location	i) not four, two are not located on front, two not located on rear as far apart as practicable
ii) colour	ii) front are not white or amber, rear are not red
iii) operation	iii) not clearly visible
iv) obstructions	iv) covered or obscured by any non-OEM part or object
v) markings JIS and ECE code markings are acceptable	v) bulbs do not meet CMVSS or are not labelled as such
l) back-up lamps (where fitted)	
i) number and location	i) not two, not located on rear
ii) colour	ii) not white
iii) operation	iii) not clearly visible when vehicle is reversing
m) interior lamp (IN SERVICE TAXI ONLY)	
i) number and location	i) not at least one, not located so that there is sufficient light to illuminate interior
n) sign lamp (IN SERVICE TAXI ONLY)	
i) location	i) not on roof
ii) operation	ii) not clearly visible, inoperative

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Item and Method of Inspection	Reject If
o) daytime running lamps <ul style="list-style-type: none"> i) presence Required on all vehicles manufactured on or after December 1, 1989. ii) location iii) colour iv) operation 	<ul style="list-style-type: none"> i) not equipped ii) not located on front of vehicle iii) not white or amber iv) do not operate continuously when engine is running and master lighting switch is not in the “ON” position
p1) front fog lamps (if equipped) <ul style="list-style-type: none"> i) lens type ii) number and location iii) colour iv) operation 	<ul style="list-style-type: none"> i) not lens designation SAE “F” or ECE “B” or “F3” ii) more than two, mounted more than 30 cm below headlights, not located on front iii) not white or amber iv) not wired to tail light circuit <ul style="list-style-type: none"> – not operational on park, high or low frontal headlight beam
p2) rear fog lamps (if equipped) <ul style="list-style-type: none"> i) lens type ii) number and location iii) colour iv) operation v) indicator 	<ul style="list-style-type: none"> i) not lens designation SAE “F2” or ECE “F” or “B” ii) more than two, mounted less than 10 cm from rear stop lamp, not located on rear iii) not red iv) not operational on park, high or low frontal headlight beam v) not equipped with an independent, non-flashing operational tell-tale warning light visible to driver
q) high-beam driving lamps (if equipped) <ul style="list-style-type: none"> i) lens type ii) number and location iii) colour iv) operation 	<ul style="list-style-type: none"> i) not lens designation “Y” ii) more than two, not located on front of vehicle iii) not white iv) not wired to high beam circuit, operate on high-beam only

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Item and Method of Inspection	Reject If
<p>r) low-beam driving lamps (if equipped)</p> <p>i) location</p> <p>s) off road lamps (if equipped)</p> <p>t) licence plate lamp(s)</p> <p>i) presence</p> <p>ii) colour</p> <p>iii) operation and condition</p>	<p>r) the low beam driving lamps fail to meet any of the following requirements:</p> <ul style="list-style-type: none"> - lens designation not “Z” - not located on front of vehicle - not white in colour - does not illuminate correctly and only when headlamp control is switched to low beam <p>i) not mounted between 40 cm and 1.06 m</p> <p>s) not covered with opaque cover</p> <p>i) missing</p> <p>ii) any other colour than white</p> <p>iii) inoperative, broken, loose, does not function as OEM, projects white light to rear of vehicle</p>

OUT OF SERVICE

- i) Not at least one head lamp that operates on low beam.**
- ii) Not at least one operative red lamp on the rear of the vehicle.**
- iii) Not at least one operative stop lamp on rear of vehicle.**
- iv) Signal lamp on either side, front or rear, not operative.**

2. Reflex Reflectors

<p>A lamp or cover that emits a reflection may be considered a reflector.</p> <p>a) All compliance markings</p> <p>b) clearance reflectors</p> <p>NOTE: replicar and replikit vehicles will require clearance reflectors if the vehicle resembles a model year for which clearance lamps were required.</p> <p>i) number and location</p> <p>ii) colour</p>	<p>a) any reflector does not meet CMVSS/FMVSS, DOT/SAE, or is labelled as such</p> <p>i) not four, two not located on front, two not located on rear</p> <p>ii) front are not amber, rear are not red</p>
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Item and Method of Inspection	Reject If
iii) condition	iii) not clearly visible, corroded, darkened, peeling, broken, cracked, insecurely mounted, missing, modified so as to impair effectiveness – adhesive conspicuity tape used as replacement
c) side-marker reflectors See above note regarding replica and replikit vehicles, for application. Front and rear park lenses may serve as side marker reflectors providing they can be seen from the side and clearly have passive light reflective qualities.	
i) number and location	i) two are not located on each side
ii) colour	ii) front are not amber, rear are not red
iii) condition	iii) not clearly visible, corroded, darkened, peeling, broken, cracked, insecurely mounted, missing, modified so as to impair effectiveness

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