

IVECO BUS

Drive the road of change



CROSSWAY LOW ENTRY

CROSSWAY Low Entry

Designed with transport productivity in mind, Crossway Low Entry is a bus that performs perfectly in both city and intercity operations.

- The Low Entry concept guarantees excellent accessibility for all passengers entering and exiting the vehicle
- The power train, based on the proven Crossway normal-floor vehicle, enables fast and economical transport on intercity high-speed roads as well as in the city environment

Crossway Low Entry is available in:

Two versions: CITY and LINE

Four lengths: 10.8 m, 12 m, 13 m and 14.5 m with three axles

Five drivelines: Tecnor 7 Diesel / XTL, Cursor 9 Diesel / XLT, Cursor 9 CNG, Hybrid Diesel / XTL, Hybrid CNG.



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IVECO

CROSSWAY

The Crossway Low Entry at a glance

1 ACCESSIBILITY

- Easy in and out access
- Easy passengers flow
- 3° door configuration possibility
- Electrically or pneumatically operated door

2 NEW DRIVER AREA

- VDV compliant
- New dashboard, new cluster, new steering wheel
- Generous space & thermal comfort
- Optimised storage

3 EFFICIENCY

- HI-SCR and CNG engines
- 2 new automatic gearboxes
- Cross range standartisation for maintenance optimization

4 VERSATILITY

- Four lengths (10.8 m – 12 m – 13 m – 14.5 m)
- Best-in-class height 3,21 for both Diesel and CNG versions
- Up to 1.200 possible configurations





New driver area

Driving the Crossway is easy

The dashboard has been redesigned with new control commands at short distance from driver. Steering wheel controls are close to fingers with no need to release the steering wheel to have under control all the main functions. More space and a new look make the driver cabin a comfortable place for everyday operations.

Fully colored display cluster 7" shows more driving information: the Driving Style Evaluation, engine oil level, gearbox info and speed set up for cruise control.

Dashboard commands are fully customizable, Driver's comfort is not forgotten with multiple storage space, charging plugs, double USB and cup and bottle holder.

VDV driver's workplace

The use of the VDV* standards in the driver's workplace guarantees that drivers will always find buttons and switches in the same place and have the same ergonomic impression regardless of the vehicle type.

The main purpose of these international standards is to provide higher comfort and safety. The IVECO BUS driver's workplace fully meets the parameters required in the fields of ergonomics, workplace accessibility, heating and ventilation, and is among the best performers in terms of visibility, internal noise level and stowage space.

*VDV options available for Crossway Low Entry, city and intercity versions, all lengths.

- 1** Space for operator's mobile phone, wallet etc.
- 2** New waterproof central climate control, position according to VDV/EBSF: intuitive & multiple choice
- 3** Seat rotation: easy accessibility
- 4** Space for operator's bag Volume according to VDV/EBSF, integrated in driver door
- 5** Space dedicated to operator's system terminal (VDV/EBSF specs)



Improved ergonomoy

- All controls are visible
- Dashboard controls at short distance from driver
- Steering wheel controls close to fingers, no need to release the steering wheel

More driving information

- Fully colored display numeric cluster 7"
- Driving Style Evaluation
- Accumulator charge
- Engine oil level
- Gearbox info
- Speed set up for cruise control

100% Work place

- Customizable dashboard
- Multiple storages (A4 folder storage)
- Charging plugs 12 V, 24 V, double USB
- Cup and bottle holder



Accessibility

Low Entry, high flexibility

The Low Entry transport mission is led by two models:

- Low Entry LINE for intercity operations
- Low Entry CITY for urban and suburban routes

The low floor between the front and middle doors allows for easy access for all passengers.

Vehicles can be equipped with manual or electric ramps with a dedicated internal area for disabled persons.

Low Entry CITY comes in two- and three-door versions.





Versatility

A complete range for all missions

Crossway Low Entry can easily satisfy all customer needs in every passenger transport mission thanks to its versatility and the range of available versions.

City version

One of the best vehicles on the market for low-entry public transportation, primarily designed for urban traffic, with easy passenger access thanks to the low floor between the front and middle doors.

Line version

The ideal choice for short-distance and medium-distance passenger transport, featuring low fuel consumption, longer service intervals and a driver area designed to meet the highest ergonomic standards, all in a safe and comfortable environment.

Crossway Low Entry CNG

Patented full integration of gas bottles in the roof yields the lowest height on the market (3.210 m), perfect for any route and giving maximum stability on the road. This new model allows full access to every part of the city with no circulation restrictions, while guaranteeing the TCO of an Intercity vehicle and functionality of a Citybus.

Crossway Low Entry 3 Axles

The perfect solution to welcome more passengers aboard under the best possible conditions with optimized weight and length for maximum performance. The third axle with electro-hydraulic steering system integration and the best turning circle in its class (23.8 m) allow for easy manoeuvrability.

The New Crossway Low Entry CNG and Crossway Low Entry 3 axles are available in both versions: CITY and LINE.





Engines

The Crossway Low Entry range is versatile enough to accommodate different engine layouts, such as: Tector 7 for Diesel / HVO / XTL, Cursor 9 for Diesel / HVO / XTL, CNG or Biomethane and the new hybrid models, available in XTL renewable fuel and in Natural Gas versions.

TECTOR 7 DIESEL / HVO / XTL HIGH EFFICIENCY

- Lighter, downsizing, longitudinal position
- High performance with 286 hp or 320 hp
- Excellent fuel savings

CURSOR 9 DIESEL / HVO / XTL HIGH PERFORMANCE

- Up to 1600 Nm torque to cope with any slopes
- Optimized accessibility for maintenance
- Transversal installation providing excellent rear-door passenger flow
- Easier A/C installation for demanding climatic performance

CURSOR 9 CNG HIGH EXPERIENCE

- High performance with 360 hp
- Low emissions and Biomethane compatible
- Up to 1600 Nm torque
- Optimized accessibility for maintenance

CURSOR 9 HYBRID CNG & DIESEL / XTL

- Available in 10.8 m, 12 m, 13 and 14.5 m in Diesel / XTL versions and 12 m and 13 m in Natural Gas version compatible with Biomethane
- Very similar to the traditional Diesel and CNG versions
- Significant reduction in its fuel consumption, TCO and environmental impact

Length (m)	Versions	DIESEL / HVO / XTL		CNG		NEW HYBRID	
		Tector 7		Cursor 9	Cursor 9 Natural Gas	Cursor 9 Diesel / XTL	Cursor 9 Natural Gas
		286 hp – 210 kW	320 hp – 228 kW	360 hp – 265 kW	360 hp – 265 kW		
10.8	CITY	•	•	•		•	
12		•	•	•	•	•	•
13		•	•	•		•	•
14.5				•		•	
10.8	LINE		•	•		•	
12			•	•	•	•	•
13			•	•	•	•	•
14.5				•		•	

Efficiency

HI-SCR

Euro VI Diesel engines: Regeneration? No thanks!

The HI-SCR patented technology, with over six years' experience and 250,000 engines produced, allows our engines to meet Euro VI standards without resorting to EGR, guaranteeing a very high NOx conversion efficiency (over 95%):

- Up to 8% more power and up to 9% more torque for the Tector engine
- Up to 9% more power and up to 12% more torque for the Cursor engine
- Increased driveability due to lower noise and vibrations
- Low operating costs thanks to low engine wear and long maintenance intervals
- Compact and lean design, lowering total weight and allowing for easy installation

Best Total Cost of Ownership (TCO) in class.

CNG engine

Cursor 9 CNG delivers 360 hp and represents the best solution for city and intercity line operations, offering autonomy from 500 to 600 km according to the kind of missions. Natural Gas is the most eco-friendly fuel for internal combustion engines, yielding significant environmental advantages.

The benefits are particularly impressive in terms of particle levels and noise emissions. With Natural Gas, particle levels are close to zero and NOx emissions are reduced by more than one third.

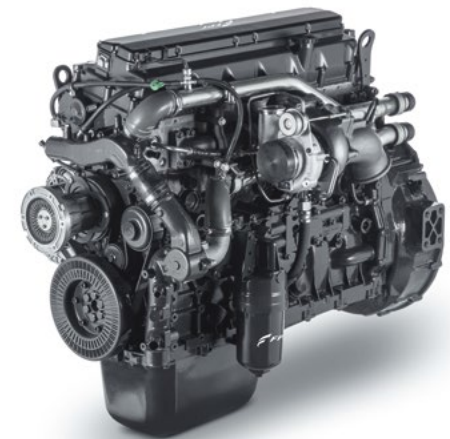
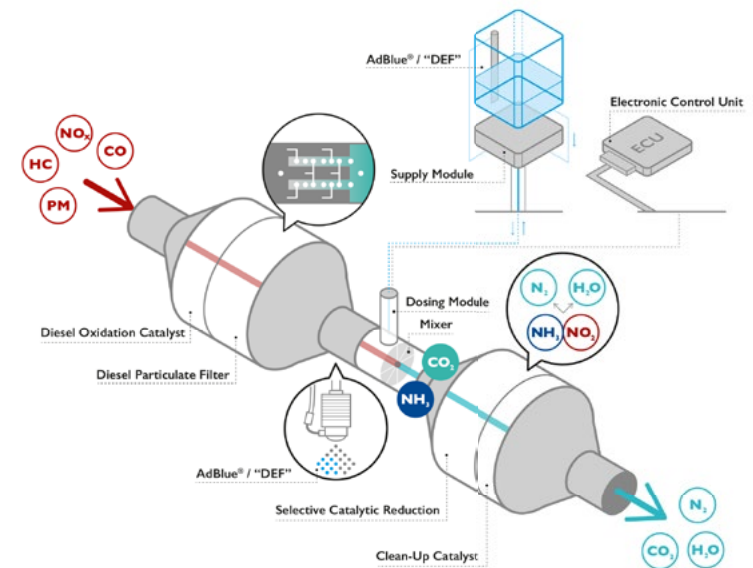
Noise levels are also cut, offering an exceptionally quiet service for the driver, passengers and even residents. The CNG range is 100% compatible with Biomethane produced from recycled waste. IVECO BUS vehicles ensure an excellent carbon footprint and represent a tangible step towards energy transition. The environmental benefits include CO₂ emissions reduction of up to 95%!

New Automatic gearboxes available for even more driving comfort and optimized performance.

More electricity supply from 3 alternators 150 A with no additional weight.

The battery is less used during idle phases even with air conditioning, **better balance of the electrical distribution** and the maintenance is optimized.

Alternators and battery life time are increased.



Crossway Low Entry CNG

Sustainable by nature

Over the last 25 years, IVECO BUS has developed CNG as an alternative driveline to fight urban pollution. With around 8.000 buses currently in service through Europe, IVECO BUS is a strong leader fully involved in ecological transition.

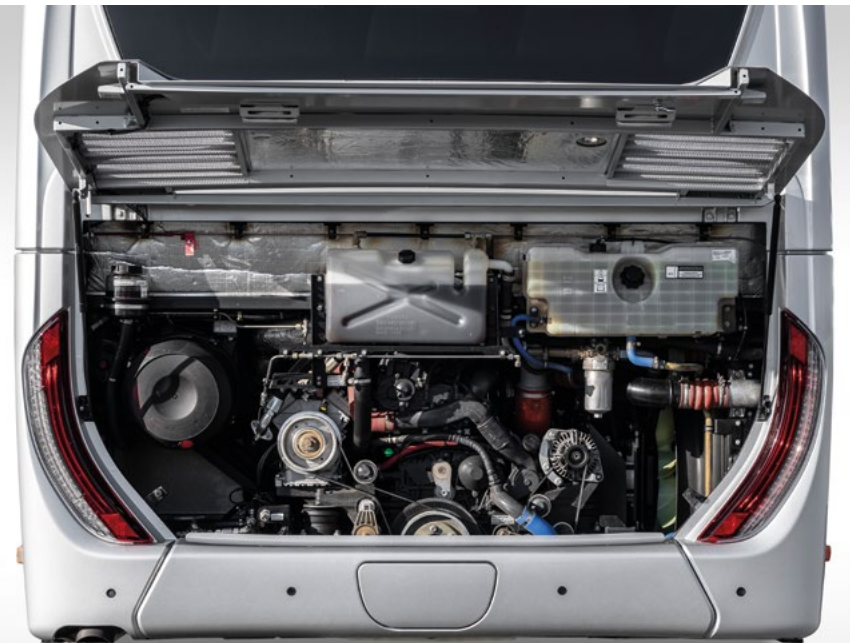
The bus that makes people transport sustainable

The benefits are particularly impressive in terms of particles. With Natural Gas, particle levels are close to zero and NOx emissions are reduced by more than one third.

100% Biomethane compatible

Also available in a Biomethane version, the New Crossway Low Entry CNG ensures an excellent carbon footprint and represents a tangible step towards energy transition, with emissions reduced by up to 95%.

These new features allow the New Crossway Low Entry CNG to perform easily even in complex city environments with restricted traffic areas.



Smart design

The New Crossway Low Entry CNG implements technical solutions inherited from City Bus CNG long lasting expertise, such as optimisation of vehicle weight and passenger capacity. The exceptionally smart design of this sustainable vehicle is largely due to the fact that the patented integrated gas tanks have been integrated into the roof space. This compact design allows New Crossway Low Entry CNG to achieve the best vehicle height in its class, measuring 3,210 mm from wheel to roof and guarantees maximum stability on the road due to its low centre of gravity.

This makes the New Crossway Low Entry CNG the perfect bus for any route, regardless of road infrastructure constraints such as bridges for instance. Thanks to this smart design, the maximum internal headroom remains high enough and identical to a Crossway coach.



Optimised TCO

TCO of an intercity bus and functionality of a citybus

The New Crossway Low Entry CNG is designed for growing suburban missions and powered by the Cursor 9 NP/360 hp engine for high performance and low emissions.

Natural Gas is a real alternative to Diesel. It is cheaper with greater price stability, which is a further benefit when calculating fuel costs, one of the biggest TCO factors.

The vehicle's proven reliability is inherited from the Crossway range. Easy opening of the reinforced roof structure facilitates CNG bottle maintenance since no specific tools are required, significantly reducing work times.

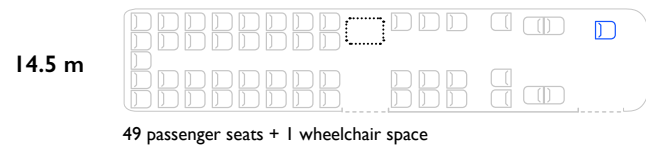
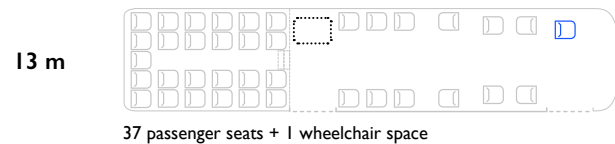
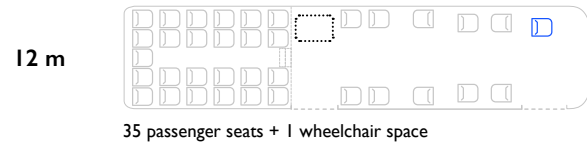
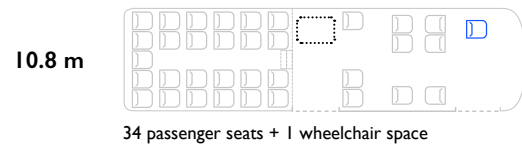


Seats.

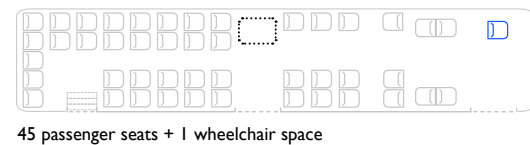
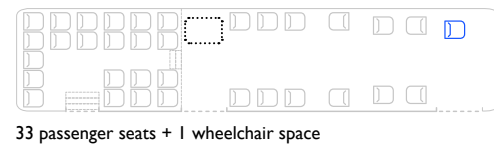
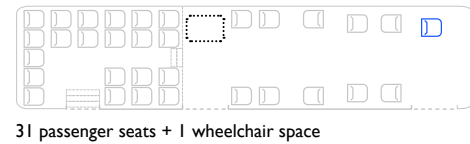
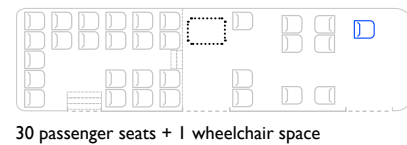
Variable layout options*

CITY

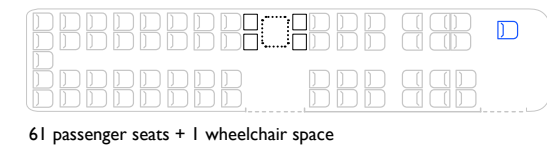
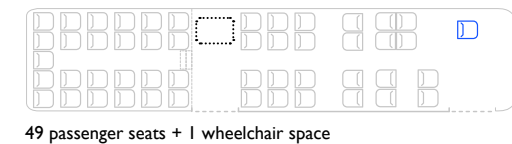
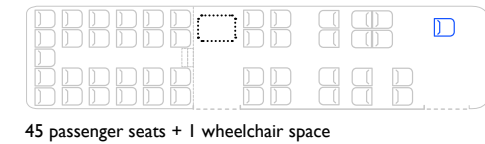
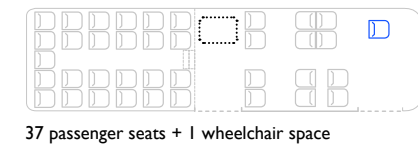
TWO DOORS



THREE DOORS



LINE



* For further options, please contact IVECO BUS commercial staff.





IVECO BUS aims to ensure its passengers are experiencing comfort and safety with a wide variety of seats options:

8MI SEATS: Ideal for city and suburban vehicles thanks to plastic main shell, fast and easy upholstery assembly, low weight and modern design.

SCOLEO: All-utility properties of Scoleo seats optimise the vehicle for school transport, including optional anti-vandalism backrest shell.

LINEO FIX & LINEO: Intended for regular line transport, mainly on peri-urban and intercity regional routes. The comfortable firm-back seat shape is an ideal ergonomic solution.

SEATS LOW ENTRY STEP E

Versions	STER 8MI	LINEO City	LINEO FIX Cantilever	LINEO FIX	LINEO TI
CITY	•	•			
LINE			•	•	•

The Crossway Low Entry Hybrid

1 COMFORT FOR THE DRIVER, PASSENGERS AND PEDESTRIANS:

Engine off when stationary

- No exhaust gas emitted when stationary

Greater passenger comfort:

- Quiet when stopping
- Less vibration (no vibration when stationary)

Easy to handle:

- Operation of the vehicle similar to a Diesel or CNG model
- No specific clearance required for maintenance

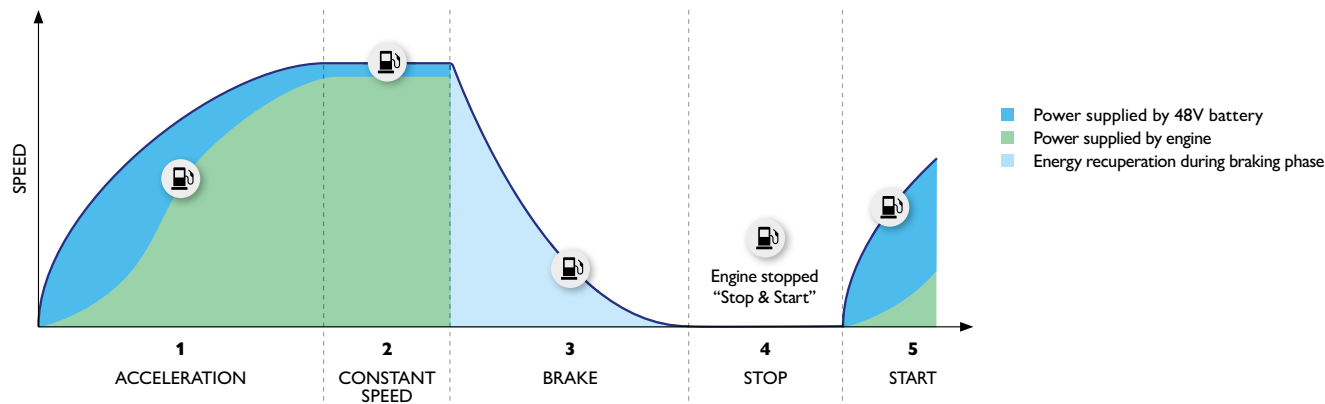
2 ENVIRONMENTAL BENEFITS:

- Up to 16% reduction in CO₂ emissions
- Removal of emissions when stationary using Stop&Start system

3 ECONOMIC BENEFITS:

- Improved TCO with up to 16% reduction in energy costs
- Consistently cost-effective hybrid technology

HYBRIDISATION THAT GENERATES FUEL EFFICIENCY DURING EVERY OPERATING PHASE, FROM START-UP AT THE DEPOT TO RETURN





Simple, efficient, cost-effective

The sustainable transport solution the city needs

Full Hybrid Range

- 10.8-, 12-, 13- and 14.5-meter **CROSSWAY Low Entry** equipped with Diesel Cursor 9 engine, XTL compatible, available in **Class I and II**
- 12-meter **CROSSWAY Low Entry** (Class I) with a Cursor 9 Natural Gas engine, Biomethane compatible
- 12- and 13-meter **CROSSWAY Low Entry** (Class II) Natural Gas versions

Simplicity

The Crossway Low Entry Hybrid is characterised by its ease of use and maintenance, very similar to the traditional Diesel and CNG versions.

Important benefits

With its ability to assist the combustion engine, recover energy when braking and enable Stop&Start, the Crossway's hybridisation provides a significant reduction in its fuel consumption, TCO and environmental impact.

4 48 V BATTERY

5 24/48 V CONVERTER

6 ELECTRIC ENGINE

The hybrid system mainly consists of a 48 V battery and a 35 kW generator connected to the gearbox. The entire system is driven by a control unit providing smart and efficient energy management during the various operating phases.

A new world of connectivity

The most advanced connectivity on the new IVECO BUS RANGE puts you in full control of your Bus fleet, allowing you to operate efficiently by optimizing the fleet's uptime, energy consumption and Total Cost of Ownership (TCO). **Reduce your costs, improve your performance and make your bus operation & maintenance smarter than ever** by choosing our connectivity and selecting the solution that best meets your requirements.



Find out more about the **commercial packages** you can choose your services from.

Smart Pack

The Smart Pack is included as a series of equipment in all IVECO BUS HEAVY RANGE vehicles. It provides you with Digital services on your Bus Fleet through the following features:

Control Room Support

- Proactive maintenance
- Technical reports

IVECO ON Customer Portal

- Smart reports about operation
- Driving style evaluation dashboards

Premium Pack

The Premium Pack, in addition to the Smart Pack services, provides you with powerful real-time fleet management tools. You can choose the modular options you wish to add to your Smart Pack:

- Real time FLEET MANAGEMENT by Verizon
- TiGR Web API



Premium Pack

Select a fleet management service to help you monitor in real time many indicators such as geolocation, energy consumption, traction battery state of charge or remaining range.

TiGR Web API

The TiGR Web API (specified by the ITxPT association) is a standardized multi-brand fleet management solution. Integrate the data into your own systems and receive real-time events and alerts, vehicle diagnostic trouble codes and all needed KPIs about your fleet performance.



Fleet Management by Verizon Connect

Choose among the three Verizon packages the solution that best fits your needs. In addition to the features shown in the table.



Content / packages	Fleet essential	Fleet essential Tacho + connected ethylometer	Fleet enhanced
Positioning & geofencing	•	•	•
Fuel consumption & score cards	•	•	•
Vehicle health	•	•	•
Driver hours		•	•
Remote tachograph and connected ethylometer download		•	•
Data through web services			•
History Data	12 months	12 months	24 months

The three packages will help you manage your fleet with ease:

FLEET MANAGEMENT BENEFITS

- Improve vehicle visibility with geolocation intelligence
- Stay compliant by recording driver's activities (such as rest and driving hours) and Connected Alcohol Interlock Device data
- Receive advanced reports, monitoring the entire fleet
- Receive alerts based on customized triggers, including triggers from the Connected Alcohol Interlock Device
- Get specific triggers and data necessary for an electric bus fleet real time management: battery state of charge, range, energy consumption, recharge duration

Tailored service solutions

When selecting IVECO BUS you have made a quality choice: you can rely on the best maintenance, high performance parts, and skilled experts ready to help you whenever and wherever you need it – and you are able to work with full peace of mind.






ELEMENTS: customised service packages

With the aim of offering you the best of everything, IVECO BUS has created ELEMENTS: a wide range of tailored service packages, designed to keep your vehicle on the road with minimal interruptions for maintenance and repairs.

Tailor-made service

ELEMENTS is a specialised high-quality service that aims to ensure a long life for every vehicle in all sectors. Combine the “Elements” that best fit your needs in order to create your own tailor-made service package! Choose your Planned Maintenance Contract and Extended Guarantee, by combining the major Elements that make up the offer (Maintenance, Drive Line, Extra Drive Line, Wear) that perfectly suits your business.

The table below summarises all the possible combinations:

PLANNED MAINTENANCE CONTRACTS				
	Maintenance	Drive Line	Extra Drive Line	Wear
 3XL • LIFE	•	•	•	•
 M • LIFE	•			•
 S • LIFE	•			

MAINTENANCE



- Maintenance
- Lubrication
- Oil and fluid changes according to the maintenance and repair handbook

DRIVE LINE



- Engine
- Fuel injection
- Gearbox
- Propeller shaft and axle repairs

EXTRA DRIVE LINE



- Components not already covered by the drive line element
e.g. Electrical System

WEAR

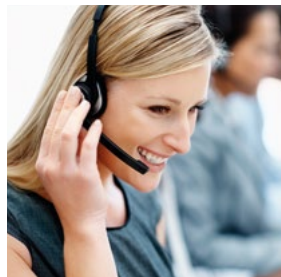


- Clutch
- Brake pads
- Brake discs
- Brake drums
- Brake linings for drum brakes

IVECO
0080048326000
Assistance Non-Stop



IVECO ASSISTANCE NON-STOP means 24 hours a day, 7 days a week assistance on the phone to keep your Crossway Low Entry and your business running. **IVECO NON-STOP** is the original IVECO smartphone application that you can use to communicate with IVECO if your vehicle breaks down.



IVECO
CAPITAL

IVECO CAPITAL is the captive financial services Brand of IVECO, and offers a full range of financing, leasing, rental and ancillary services for commercial vehicles. Extended warranty, maintenance and repair services, and various types of insurance, can be included in the pack*. All financial packs can be tailored to the Customer's needs, and apply to new, used vehicles and conversions. For more information, please contact your IVECO Dealer.

*Subject to credit approval. Offerings and products may vary by country depending on the local fiscal and accounting regulations



IVECO
BUS

Genuine Parts
HIGH PERFORMANCE

IVECO BUS GENUINE PARTS assure your Crossway Low Entry keeps running in service and with cost efficiency. The wide offering ranges from new and remanufactured parts to service kits and telematics solutions.



OK BUS
PRE-OWNED BUSES CERTIFIED BY IVECO

OK BUS is the IVECO BUS certification label, guaranteeing quality and excellence to customers wishing to buy a safe, reliable and warranted pre-owned bus. The OK BUS European team has six centres across four countries: France (Mitry-Mory, Corbas and Rorthais), Germany (Ulm), Italy (Verona) and Spain (Madrid), all offering a wide range of solutions for any people transport need.

SERVICE NETWORK

No matter where you are located, you will never be far from an IVECO BUS workshop or authorised service point. Thanks to a widespread network of more than 600 service points in Europe, with fully trained technicians and diagnostics experts, IVECO BUS is always ready to help you and sort out any problems you may encounter, wherever you are, whenever you need us.



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