



Gasfitter Publishing Notes 2022-23

Gasfitter Second Period (Gasfitter B) Development Project

The Gasfitter Second Period (Gasfitter B) content development project is complete. The outcomes, learning objectives and related content in the newly updated ILMs for second period are now aligned to the current Alberta curriculum guide. The updated module numbers and names are listed in the *Module Updates* table below.

As part of our commitment to continuous improvement, we encourage you to utilize the ILM Comments page to provide feedback on the new Second Period modules.

For more information on the ILM Comments and QA Maintenance process, please visit our website:

- ILM Maintenance : <https://www.ilmlearning.ca/ilm-maintenance>
- Comments: <https://www.ilmlearning.ca/comments>

Gasfitter Third Period (Gasfitter A) Development

The content development project to update ILMs in Gasfitter Third Period (Gasfitter A) is currently in the Planning phase. The ILM office is working with Alberta Gasfitter programs to finalize requirements for the Gasfitter A content, as well securing resources for the development work. We will communicate an anticipated Gasfitter A project completion date once the Planning phase is complete.

While the final Gasfitter A development project is in progress, the ILM office will maintain availability of older Gasfitter ILM products aligned to the previous 2006 AIT curriculum guide, in addition to the new products being released that are aligned to the newest 2022 AIT curriculum guide. The file names for the older modules, aligned to the 2006 guide, have been renamed to include the year “2006” to both show this alignment and to distinguish them from other newer modules that are aligned to the 2022 guide. The content of these modules has not changed – we have only updated the module numbers to include “_2006”, as per the Module Updates table below.

Please note, there are no changes or renamed files required for older Third Period Gasfitter ILMs at this time, as we have not released any new Third Period modules aligned to the 2022 guide.

All-Trades Product Update

Due to changes resulting from the new [Skilled Trades and Apprenticeship Education Act](#), the content within **Alberta’s Industry Network** and **Apprenticeship Training Program** modules, are no longer valid. When the provincial apprenticeship system changes are final, these products will be updated accordingly. Until then, they are not available to order.



Module Updates - New Gasfitter Second Period (Gasfitter B)

2 nd Period			
Module	Module Title	Category	Version
080201a	Test Equipment	New Module	25
080201b	Pilots, Thermocouples, and Thermopiles	New Module	25
080201cA	Wiring Diagrams up to 400 MBH: Part A	New Module	25
080201cB	Wiring Diagrams up to 400 MBH: Part B	New Module	25
080201d	Electrical Components up to 400 MBH	New Module	25
080201e	Non-Programmable Safeguards	New Module	25
080201f	Single-Phase Motors	New Module	25
080202a	Properties of Gas	New Module	25
080202b	Temperature and Heat	New Module	25
080202c	Gas System Components	New Module	25
080202d	Pipe Sizing	New Module	25
080202e	Pipe Installation	New Module	25
080202f	Propane Storage and Handling Systems	New Module	25
080203a	Appliance Installation	New Module	25
080203b	Hydronic Heating Boiler Controls	New Module	25
080203c	Refrigeration and Air Conditioning	New Module	25
080204aA	Venting: Part A	New Module	25
080204aB	Venting: Part B	New Module	25
080204b	Air Supply	New Module	25
080204c	Interprovincial Standards Red Seal Program	New Module	25
080204d	Workplace Coaching Skills	New Module	25
080205a	Burners up to 400 MBH	New Module	25
080205b	Combustion Analysis	New Module	25
080205c	Commission Appliances up to 400 MBH	New Module	25
080205d	Servicing Appliances up to 400 MBH	New Module	25

Module Updates – Renumbered (Old) Gasfitter Modules

1 st Period			
Old Module Number	Module Title	New Module Number	Version
080101a	Trade Mathematics	080101a_2006	24
080101b	Perimeter, Area, Volume and Capacity	080101b_2006	24
080101c	Temperature and Heat Calculation	080101c_2006	24
080101d	Percentage and 45° Offsets	080101d_2006	24
080102a	Introduction to Drawing and Blueprints	080102a_2006	24
080102b	Single Line Drawing	080102b_2006	24
080102c	Residential Blueprint Reading	080102c_2006	24
080103a	Properties of Matter	080103a_2006	24
080103b	Pressure and Atmosphere	080103b_2006	24
080103c	Temperature and Heat	080103c_2006	24



080103d	Principles of Electricity	080103d_2006	24
080103e	Properties of Gases and Principles of Combustion	080103e_2006	24
080104a	Measurement and Calculation of Pressure Drop	080104a_2006	24
080104b	Natural Draft Burner Adjustments and Gas Consumption	080104b_2006	24
080104c	Pilots, Pilot Burners, Thermocouples and Thermopiles	080104c_2006	24
080105a	WHMIS	080105a_2006	24
080105bA	Introduction to Rigging	080105bA_2006	24
080105bB	Rigging and Hoisting Equipment	080105bB_2006	24
080105cA	Iron Pipe and Fittings	080105cA_2006	24
080105cB	Welded and Flanged Piping	080105cB_2006	24
080105cC	Tube, Tubing, Hose and Fittings	080105cC_2006	24
080105cD	Hangers	080105cD_2006	24
080105cE	Valves	080105cE_2006	24
080106aA	Introduction to Gasfitting Fundamentals	080106aA_2006	24
080106aB	Introduction to Gasfitting Codes and Regulations	080106aB_2006	24
080106aC	Introduction to Gasfitting Codes and Regulations	080106aC_2006	24
080106bA	Introduction to Vents and Chimneys	080106bA_2006	24
080106bB	Introduction to Flues, Draft Hoods and Vent Connections	080106bB_2006	24
080106c	Pressure Regulators and Orifices	080106c_2006	24
080106eA	Basic Electricity for Gas Appliances and Controls	080106eA_2006	24
080106eB	Gas and Electrical Controls	080106eB_2006	24
080107aA	Safe Use of Tools	080107aA_2006	24
080107aB	Explosive Actuated Tools	080107aB_2006	24
080107b	Hot Tapping	080107b_2006	24
DP080102d	Drawing Package - Wyndham/Carseland Residence	DP080102d_2006	24
2nd Period			
Old Module Number	Module Title	New Module Number	Version
080201aA	Volumes, Capacities and Surface Area	080201aA_2006	24
080201aB	Piping Offsets	080201aB_2006	24
080201bA	Grades and Elevations	080201bA_2006	24
080201bB	Fill Densities	080201bB_2006	24
080201c	Introduction to Computers	080201c_2006	24
080202aA	Residential and Commercial Blueprints	080202aA_2006	24
080202aB	Heat Loss	080202aB_2006	24
080202b	Specifications and Exercise for DP080202d - Drawing Package	080202b_2006	24
080203aA	Pipe Installation and Gas Line Sizing Regulations	080203aA_2006	24
080203aB	Low-Pressure Gas Line Sizing and Installation	080203aB_2006	24
080203b	2-PSI Gas Line Layout	080203b_2006	24
080203c	Low-Pressure Gas Line Layout Including Venting and Air Supply	080203c_2006	24
080203eA	Sizing Vents and Chimneys - Part A	080203eA_2006	24
080203eB	Sizing Vents and Chimneys - Part B	080203eB_2006	24
080203eC	Additional Vents	080203eC_2006	24
080203fA	Air Supply - Part A	080203fA_2006	24
080203fB	Air Supply - Part B	080203fB_2006	24
080203g	Domestic Gas-Fired Appliances	080203g_2006	24
080203hA	Propane Cylinders and Vaporization	080203hA_2006	24



080203hB	Customer Bulk Storage Tank Installation and Vaporizers	080203hB_2006	24
080204aA	Electromagnetic Theory	080204aA_2006	24
080204aB	Electrical Principles - Part A	080204aB_2006	24
080204aC	Electrical Principles - Part B	080204aC_2006	24
080204aD	Conductors	080204aD_2006	24
080204aE	Basic Electronics	080204aE_2006	24
080204bA	Electrical Circuits for Domestic Gas Appliances and Gas Controls	080204bA_2006	24
080204bB	Electrical Circuits and Wiring Diagrams	080204bB_2006	24
080204bC	Interpretation and Sequence of Operation of Residential Controls	080204bC_2006	24
080204cA	Operating Controls	080204cA_2006	24
080204cB	Limit and Safety Controls	080204cB_2006	24
080204cC	Combustion/Ignition Controls	080204cC_2006	24
080204eA	Transformers	080204eA_2006	24
080204eB	Troubleshooting Transformers	080204eB_2006	24
080205aA	Natural and Fan-Assisted Draft Appliances - Part A	080205aA_2006	24
080205aB	Natural and Fan-Assisted Draft Appliances - Part B	080205aB_2006	24
080205bA	Induced Burners and Combustion - Part A	080205bA_2006	24
080205bB	Induced Burners and Combustion - Part B	080205bB_2006	24
080206b	Mid-Efficiency and High-Efficiency Gas-Fired Appliances	080206b_2006	24
080206c	Electrical Circuits and Controls for Commercial Gas Appliances	080206c_2006	24
DP080202d	Drawing Package	DP080202d_2006	24