



Bosch IDS Wiring 2025 - 2026

4-wire non-communicating transition to 2-wire communication

Bosch IDS Wiring 2025 - 2026

Wiring change roadmap

What is the change about

Phase 1:

Non-communication (except Ultra)

Phase 2:

Optional communication

Phase 3:

Communication Only



How to identify the new product

- FD code:
 - China: 575 and onwards
 - Thailand: 576 and onwards
- Ultra, Premium, Plus: Model number change – “BOVB” series
- Light AHU: FD code: 637 onwards

Bosch Date Codes – Legend

Where to find them, how to use them

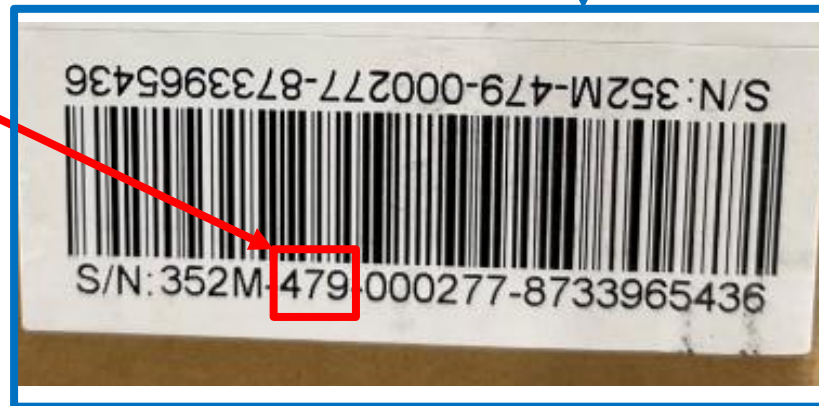
- All products worldwide use a 3-digit “FD” date code as shown below
- This identifies the year, decade & month of manufacturing
- This communication & wiring change affects 2025 production (FD 537 – 580)
- Starting January 2026 (FD 637), all IDS units are 2-wire communicating ONLY!
- Department of Energy requires communication for all inverter systems as of 7/7/2026

Year	January	February	March	April	May	June	July	August	September	October	November	December
2025	537	538	539	540	573	574	575	576	577	578	579	580
2026	637	638	639	640	673	674	675	676	677	678	679	680

Bosch Date Codes – Legend

Where to find them, how to use them

- Serial number is on the box and on the product inside
- Digits in positions 5, 6, 7 are the “FD” date code



IDS Ultra – BOVA Connections

AHU	ODU
BIVA-48MCB-M19X	BOVA-60MTB-M19E
BIVA-60MCB-M19X	

Key

- Non-Communication 4-wire ONLY
- Non-Communication & Communication
- Communication 2-wire ONLY

Ultra Indoor AHU



M1 M2 (Default)
2 or 4-wire

M1 M2 (Default)
2 or 4-wire

Ultra ODU

4-wire or 2 wire communication



574 & Older



575 & Newer

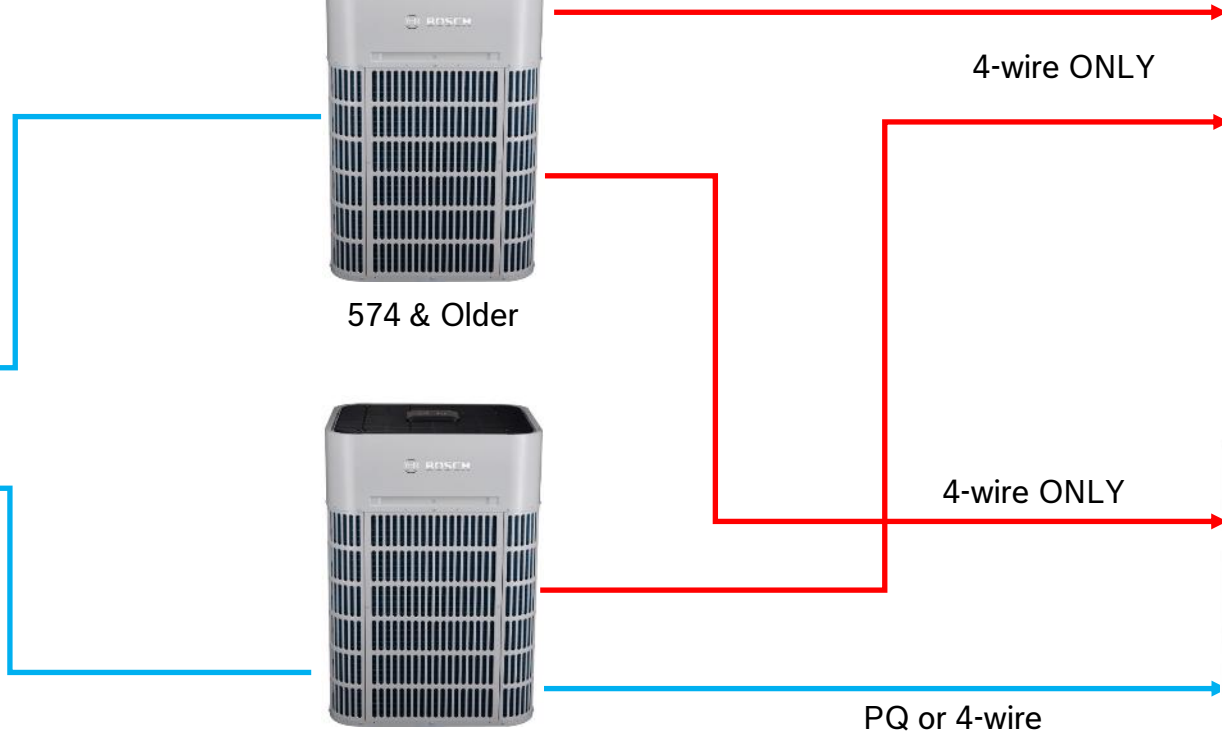
Furnace



574 & Older



575 & Newer



IDS Ultra – BOVB Connections

AHU	ODU
BIVB-36MCB-M19X	BOVB-36MTB-M19E
BIVB-48MCB-M19X	BOVB-60MTB-M19E
BIVB-60MCB-M19X	

Key

- Non-Communication 4-wire ONLY
- Non-Communication & Communication
- Communication 2-wire ONLY

Ultra Indoor AHU



M1 M2 2-wire only

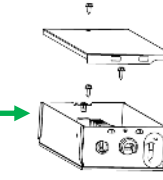
Ultra ODU

2-wire Communication ONLY



637 & Newer – all BOVB models

IDS Communication Kit
A2L box for non-communicating Bosch & 3rd party furnaces



8733983568

4-wire ONLY

Furnace



96% Furnace (574 & Older)



96% Furnace (575 & Newer)

97% Furnace

IDS Premium 20 – BOVA Connections

AHU	ODU
BIVA-24RCB-M20X	BOVA-36RTB-M20S
BIVA-36RCB-M20X	
BIVA-48RCB-M20X	BOVA-60RTB-M20S
BIVA-60RCB-M20X	

Key

- Non-Communication 4-wire ONLY
- Non-Communication & Communication
- Communication 2-wire ONLY

Premium Indoor AHU



PQ 2-wire or 4-wire

Premium 20 SEER ODU

4-wire or 2-wire communication



574 & Older: Default dip switch is non-communication mode

575 & Newer: Default dip switch is communication mode

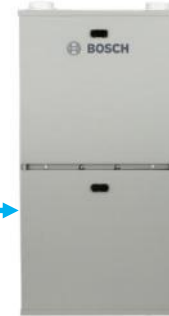
4-wire ONLY

Furnace



96% Furnace (574 & Older)

PQ 2-wire or 4-wire



96% Furnace (575 & Newer)



97% Furnace

IDS Premium 20 – BOVB Connections

Key

- Non-Communication 4-wire ONLY
- Non-Communication & Communication
- Communication 2-wire ONLY

AHU	ODU
BIVB-24RCB-M20X	BOVB-36RTB-M20S
BIVB-36RCB-M20X	
BIVB-48RCB-M20X	BOVB-60RTB-M20S
BIVB-60RCB-M20X	

Premium Indoor AHU

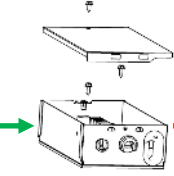


Premium 20 SEER ODU 2-wire Communication ONLY



637 & Newer – all BOVB models

IDS Communication Kit A2L box for non-communicating Bosch & 3rd party furnaces



8733983568

Furnace



96% Furnace
(574 & OLDER)



96% Furnace (575 & Newer)

97% Furnace



PQ 2-wire only

PQ 2-wire only

4-wire ONLY

IDS Plus – BOVA Connections

Key

- Non-Communication 4-wire ONLY
- Non-Communication & Communication
- Communication 2-wire ONLY

AHU	ODU
BIVA-24RCB-M20X	BOVA-24RXB-M15S
BIVA-36RCB-M20X	BOVA-36RTB-M15S
BIVA-48RCB-M20X	BOVA-60RTB-M15S
BIVA-60RCB-M20X	

Plus Indoor 20 SEER AHU



PQ 2-wire or 4-wire

15 SEER ODU

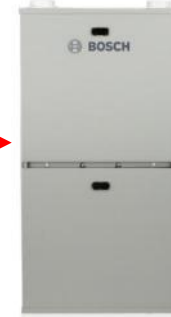
4-wire or 2-wire communication



574 & Older: Default dip switch is non-communication mode

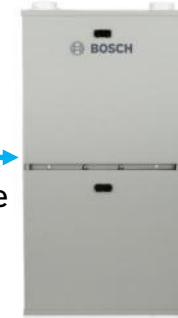
575 & Newer: Default dip switch is communication mode

Furnace



96% Furnace (574 & Older)

4-wire ONLY



96% Furnace (575 & newer)



97% Furnace



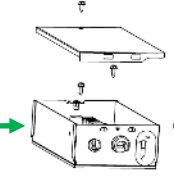
IDS Plus- BOV**B** Connections

Key

- Non-Communication 4-wire ONLY
- Non-Communication & Communication
- Communication 2-wire ONLY

AHU	ODU
BIVB-24RCB-M20X	BOV B -24RXB-M15S
BIVB-36RCB-M20X	BOV B -36RTB-M15S
BIVB-48RCB-M20X	BOV B -60RTB-M15S
BIVB-60RCB-M20X	

IDS Communication Kit
A2L box for non-communicating Bosch & 3rd party furnaces



8733983568

Furnace



96% Furnace
(574 & Older)



96% Furnace (575 & Newer)



97% Furnace

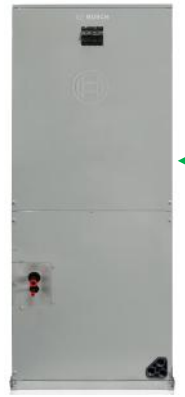


15 SEER ODU
2-wire communication only



637 & Newer – all BOV**B** models

Plus Indoor 20 SEER AHU



PQ 2-wire only

PQ 2-wire only

4-wire ONLY

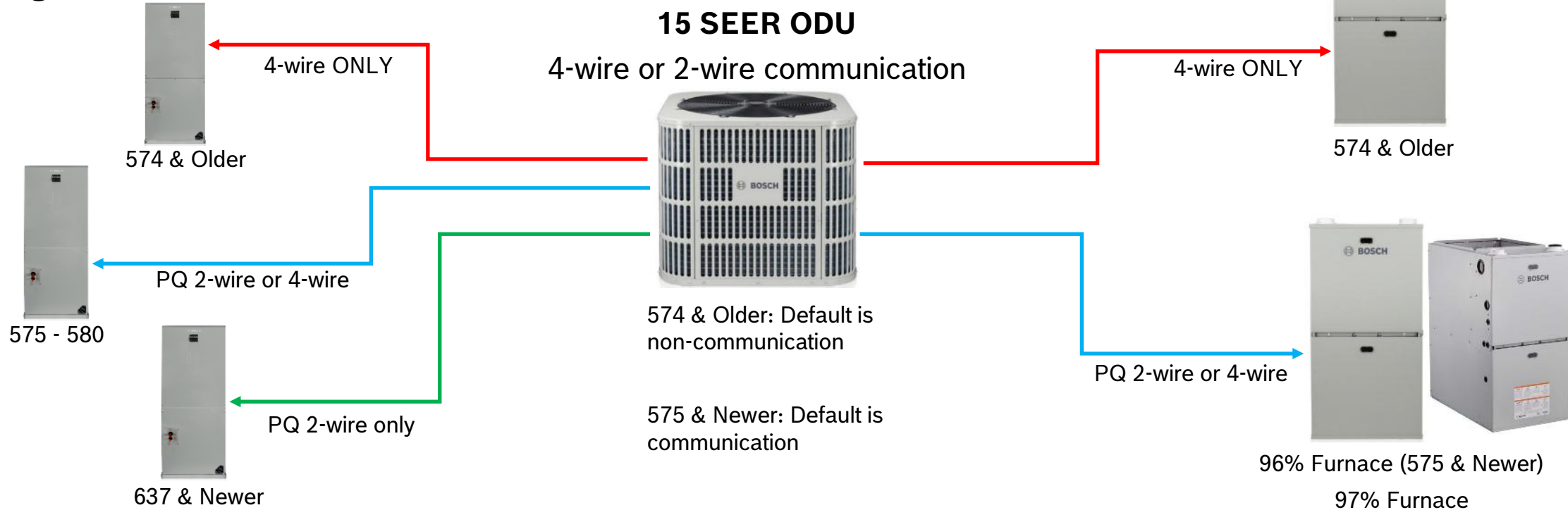
IDS Light 15 – BOVA Connections

AHU	ODU
BIVA-24RCB-M15X	BOVA-24RXB-M15S
BIVA-36RCB-M15X	BOVA-36RTB-M15S
BIVA-48RCB-M15X	BOVA-60RTB-M15S
BIVA-60RCB-M15X	

Key

- Non-Communication 4-wire ONLY
- Non-Communication & Communication
- Communication 2-wire ONLY

Light Indoor 15 SEER AHU



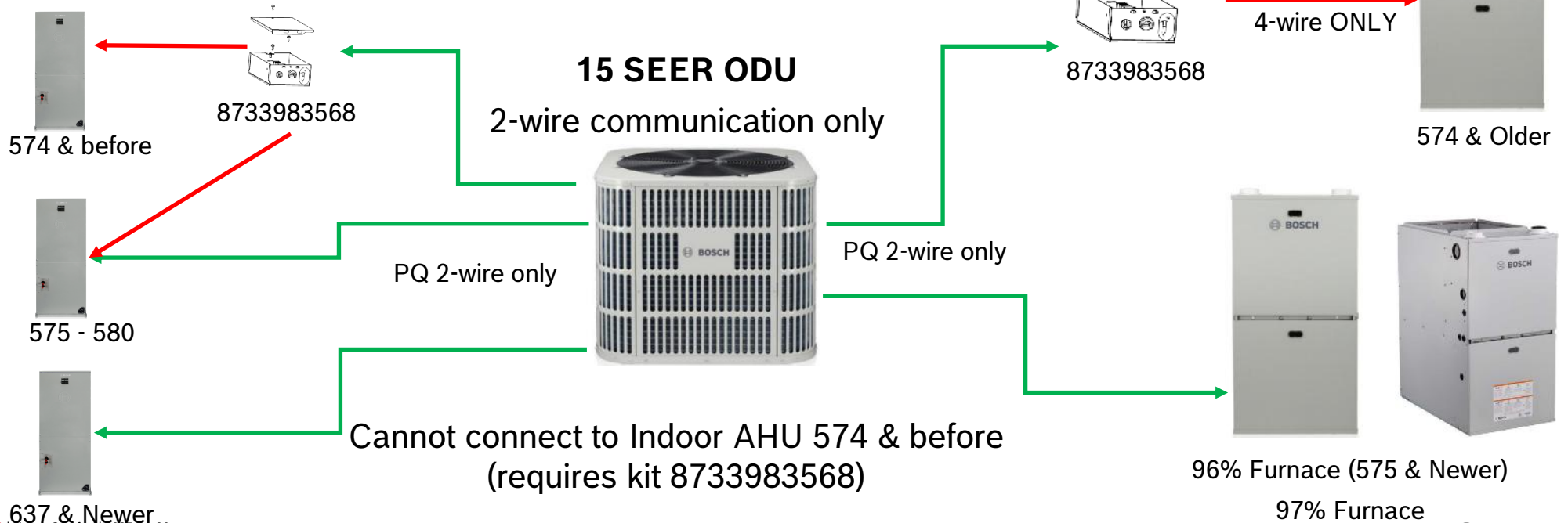
IDS Light 15 – BOVB Connections

Key

- Non-Communication 4-wire ONLY
- Non-Communication & Communication
- Communication 2-wire ONLY

AHU	ODU
BIVA-24RCB-M15X	BOVB-24RXB-M15S
BIVA-36RCB-M15X	BOVB-36RTB-M15S
BIVA-48RCB-M15X	BOVB-60RTB-M15S
BIVA-60RCB-M15X	

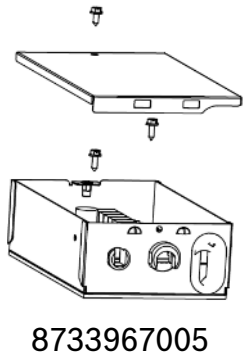
Light Indoor 15 SEER AHU



IDS Communication Kit / A2L Box

For non-communicating Bosch & 3rd party furnaces

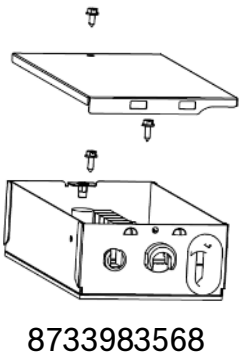
Key	
■	Non-Communication 4-wire ONLY
■	Non-Communication & Communication
■	Communication 2-wire ONLY



Non-Communicating



- Non-Communicating CBWY 4-Wire input connector
 - Later batches **MAY** have PQ 2-Wire input connector
- Has 4-wire output connection



Communicating ONLY



- 2- wire PQ Communication input “only”
 - **MAY** have CBWY 4-wire connector on first batch; future production will not have 4-wire input connection
- Has 4-wire output connection

Stock Rotation is Important

Sell older products first

- Sell off non-communicating early production 2025 IDS, furnace, air handler stock FIRST
- Rotate stock based on “FD” manufacturing date
- Have IDS communication kit 8733983568 on hand to allow newer IDS units to communicate to older furnaces & air handlers to prevent “stranded stock” of indoor units