Holroyd

TRAILER PLUG

What is a trailer plug?

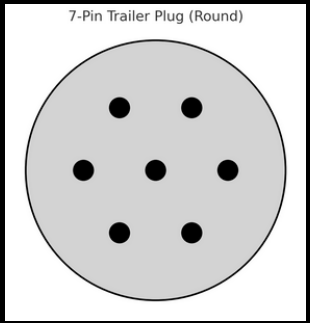
A trailer plug is a connector that links the electrical systems of a towing vehicle and a trailer, enabling the trailer's lights, brakes, and other systems to operate in sync with the towing vehicle. Here's a comprehensive guide to trailer plugs, covering types, wiring, functions, and standards used globally.

Trailer Plugs Operate Components like-

- **o Tail lights**
- **o Brake lights**
- **o Turn signals**
- **o Reverse lights**
- **o Electric brakes**
- **o Auxiliary power (e.g., battery charging or refrigerator)**

Holroyd

Holroyd Components offers a variety of trailer plugs and sockets, commonly used in trailers, caravans, and towing setups.



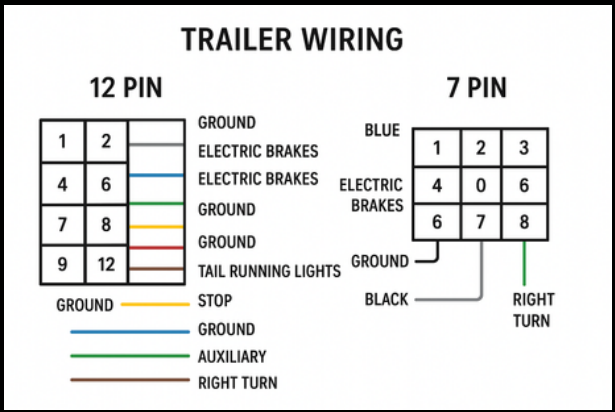
Common Trailer Plugs We Stock-

7 Pin Flat Plug & Socket (Australian Standard)

- Most common in Australia for light trailers.
- Suitable for basic lighting: indicators, brake lights, tail lights.
-

7 Pin Round Plug (Small Round - Australian Standard)

- Also common for trailers, particularly older setups.
- Functions the same as the flat 7 pin, just a different shape.

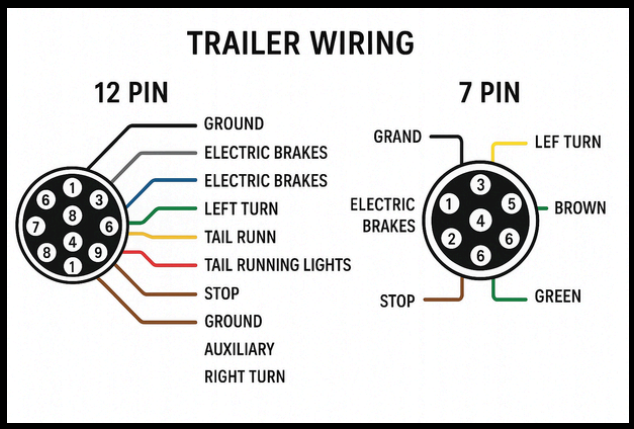


7 Pin Large Round Plug (Heavy Duty – ADR Compliant)

- Used more for commercial or heavy-duty towing.
- Can handle more current and is more robust.

12 Pin Flat Plug & Socket

- For caravans or trailers with additional power needs (e.g., fridge, battery charging).
- Combines standard lighting functions with auxiliary power circuits.



Anderson Plugs (50A, 120A etc.)

Used for high-current power needs like charging caravan batteries or powering appliances.

- Often used alongside 7 or 12-pin plugs.

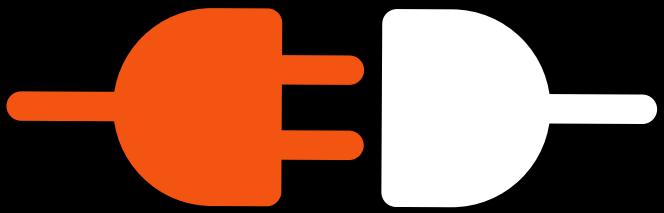
Adaptors & Plug-to-Socket Converters

- Holroyds typically sell plug adaptors (e.g., 7-pin flat to 7-pin round)
- to ensure compatibility between car and trailer.

Features You Can Expect:

- **ADR-approved components**
- **Durable plastic or metal housings**
- **Easy wire entry and secure screw terminals**
- **Dust and weather-resistant caps**

THE DIFFERENCE BETWEEN A SOCKET & PLUG



Plug (male)

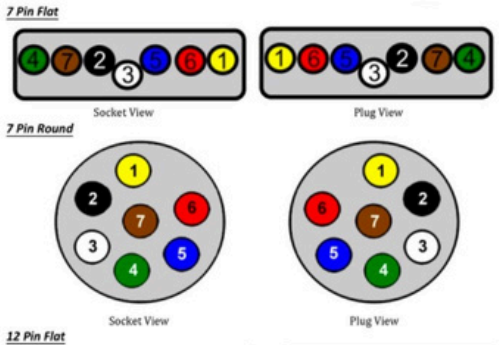
• Location: Usually on the trailer lead.
• Shape: Has protruding pins (male contacts) that slide into the socket's holes.
• Purpose: Delivers power/signals from the towing vehicle when plugged into the socket.
• Wiring: Trailer-side wires are connected to the plug's terminals inside the housing.
• Tip: Think "plug = pins = on the cable you move around."

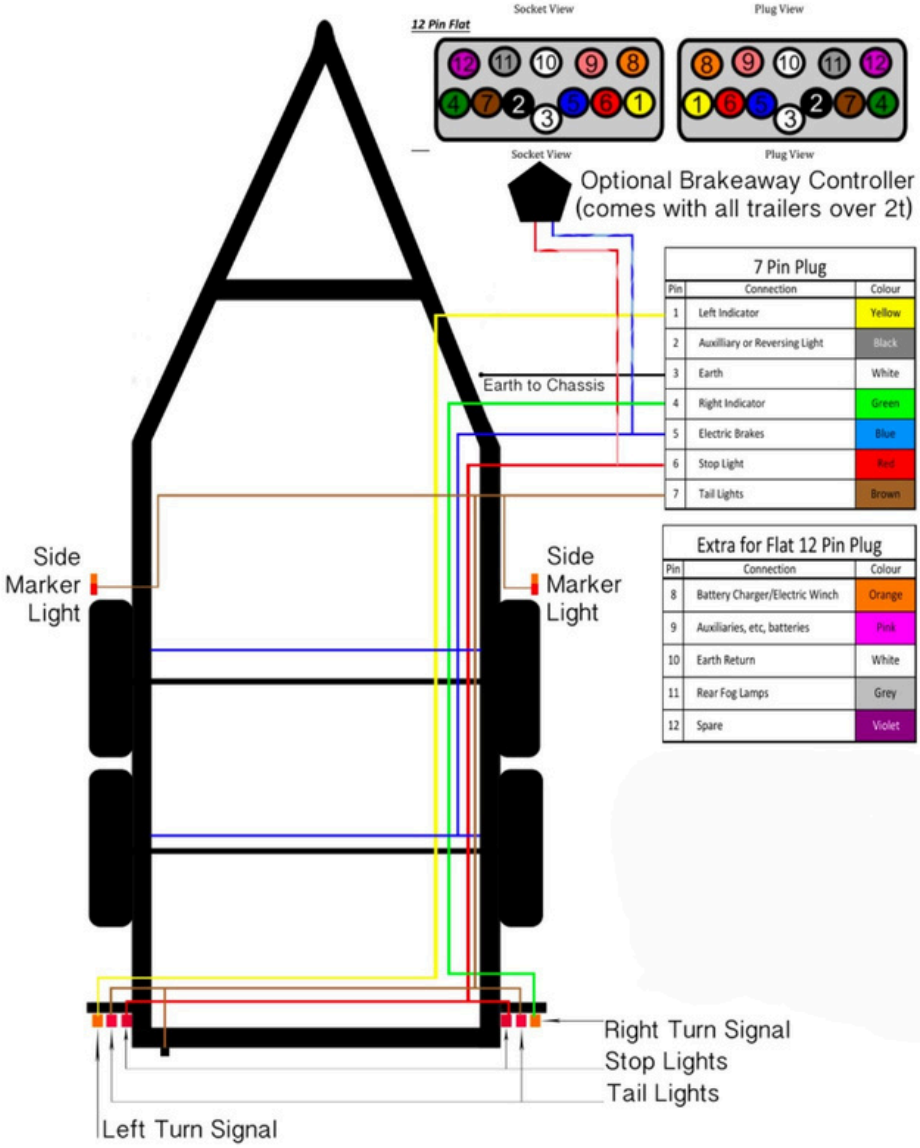
Socket (female)

• Location: Fixed to the tow vehicle (car, ute, truck).
• Shape: Has recessed holes (female contacts) that accept the plug's pins.
• Purpose: Receives the trailer plug and passes the vehicle's electrical signals to it.
• Wiring: Vehicle-side wiring is run to the socket's terminals inside the housing.
• Tip: Think "socket = stationary = where the plug goes in."

• Socket stays (on the vehicle).
• Plug pulls away (with the trailer).

Trailer & Plug wiring Diagram





7 Pin Plug		
Pin	Connection	Colour
1	Left Indicator	Yellow
2	Auxilliary or Reversing Light	Black
3	Earth	White
4	Right Indicator	Green
5	Electric Brakes	Blue
6	Stop Light	Red
7	Tail Lights	Brown

Extra for Flat 12 Pin Plug		
Pin	Connection	Colour
8	Battery Charger/Electric Winch	Orange
9	Auxiliaries, etc, batteries	Pink
10	Earth Return	White
11	Rear Fog Lamps	Grey
12	Spare	Violet