

## HEATER HOSE

Mackay Heater Hose is formulated from rubber compounds developed for Original Equipment (OE) applications. Suitable for plain water and automotive coolant applications.

Manufactured using an OE grade electrochemical degradation (ECD) resistant EPDM rubber tube, Rayon fibre spiral reinforcement, with an EPDM rubber cover for heat and ozone resistance.

Exceeds Heater Hose Specification SAE J20R3 Type EC Class D-1 and D-2

Working Temperature Range -40°C to 125°C (-40°F to 257°F)

Caution: Not suitable for fuel, oil or brake fluid applications.

\*TW = Thin Wall made to Ford OE Specifications not SAE (Features 3mm wall thickness)

HEATER HOSE								
ID mm	ID Inches	Part No.	Length	Packaging	Maximum Working Pressure		SAE 20R3 Minimum Burst Pressure	
6mm	1/4"	HH62	2m	Pack	0.43 MPa	62 psi	1.72 MPa	249 psi
		HH610	10m	Box				
		HH620	20m	Box				
		HH650	50m	Coil				
8mm	5/16"	HH82	2m	Pack	0.43 MPa	62 psi	1.72 MPa	249 psi
		HH810	10m	Box				
		HH820	20m	Box				
		HH850	50m	Coil				
9.5mm	3/8"	HH10TWX2*	2m	Pack	0.43 MPa	62 psi	1.72 MPa	249 psi
		HH10TWX20*	20m	Box				
10mm	3/8"	HH102	2m	Pack	0.43 MPa	62 psi	1.72 MPa	249 psi
		HH1010	10m	Box				
		HH1020	20m	Box				
		HH1050	50m	Coil				
12.7mm	1/2"	HH13X1.5	1.5m	Retail Pack	0.43 MPa	62 psi	1.72 MPa	249 psi
		HH1272	2m	Pack				
		HH12710	10m	Box				
		HH12720	20m	Box				
		HH12750	50m	Coil				
15.9mm	5/8"	HH16X1.5	1.5m	Retail Pack	0.43 MPa	62 psi	1.72 MPa	249 psi
		HH1592	2m	Pack				
		HH15910	10m	Box				
		HH15920	20m	Box				
17.5mm	1 1/16"	HH15940	40m	Coil	0.43 MPa	62 psi	1.72 MPa	249 psi
		HH1752	2m	Pack				
		HH17510	10m	Box				
		HH17520	20m	Coil				
19mm	3/4"	HH19X1.5	1.5m	Retail Pack	0.35 MPa	51 psi	1.38 MPa	200 psi
		HH192	2m	Pack				
		HH1910	10m	Box				
		HH1920	20m	Coil				
25.4mm	1"	HH2545	5m	Coil	0.30 MPa	44 psi	1.21 MPa	175 psi
		HH25420	20m	Coil				



## FUEL & OIL HOSE

Mackay Fuel and Oil Hose has been developed using materials from our experience as an Original Equipment Manufacturer (OEM).

Suitable for low pressure fuel use with leaded and unleaded petrol, Ethanol blended fuels up to E85, Diesel & Biodiesel fuels, lubricating oil as well as crankcase and fuel vapour.

Manufactured using a high quality Nitrile (NBR) rubber tube, knitted Polyester fibre reinforcement, with an oil resistant Nitrile/PVC (NBR/PVC) blended rubber outer layer for heat and ozone protection.

Exceeds Fuel Hose Specifications SAE J30R6

Working Temperature Range -34°C to 100°C (-29°F to 212°F)

**Caution:** Not suitable for fuel injection, transmission cooler, in-tank fuel submersion, coolant transfer, brake fluid or marine applications.

FUEL & OIL HOSE								
ID mm	ID Inches	Part No.	Length	Packaging	SAE 30R6 Maximum Working Pressure		SAE 30R6 Minimum Burst Pressure	
4mm	5/32"	FH1004X2	2m	Plastic Bag	0.34 MPa	50 psi	1.72 MPa	250 psi
		FH1004X10	10m	Box				
		FH1004X20	20m	Box				
		FH1004X50	50m	Coil				
5mm	3/16"	FH1005X2	2m	Plastic Bag	0.34 MPa	50 psi	1.72 MPa	250 psi
		FH1005X10	10m	Box				
		FH1005X20	20m	Box				
		FH1005X50	50m	Coil				
6mm	1/4"	FH6X1.5	1.5m	Retail Pack	0.34 MPa	50 psi	1.72 MPa	250 psi
		FH1006X2	2m	Plastic Bag				
		FH1006X10	10m	Box				
		FH1006X20	20m	Box				
8mm	5/16"	FH1006X50	50m	Coil	0.34 MPa	50 psi	1.72 MPa	250 psi
		FH8X1.5	1.5m	Retail Pack				
		FH1008X2	2m	Plastic Bag				
		FH1008X10	10m	Box				
10mm	3/8"	FH1008X20	20m	Box	0.34 MPa	50 psi	1.72 MPa	250 psi
		FH1008X50	50m	Coil				
		FH10X1.5	1.5m	Retail Pack				
		FH1010X2	2m	Plastic Bag				
13mm	1/2"	FH1010X10	10m	Box	0.34 MPa	50 psi	1.72 MPa	250 psi
		FH1010X20	20m	Box				
		FH1010X50	50m	Coil				
		FH1013X2	2m	Plastic Bag	0.24 MPa	35 psi	1.20 MPa	175 psi
16mm	5/8"	FH1013X10	10m	Box				
		FH1013X20	20m	Box				
		FH1013X50	50m	Coil				
19mm	3/4"	FH1016X2	2m	Plastic Bag	0.24 MPa	35 psi	1.20 MPa	175 psi
		FH1016X10	10m	Box				
		FH1016X20	20m	Box				
		FH1019X2	2m	Plastic Bag				
		FH1019X10	10m	Box	0.24 MPa	35 psi	1.20 MPa	175 psi
		FH1019X20	20m	Coil				



## FUEL INJECTION HOSE

Mackay Fuel Injection Hose is manufactured using the same materials and construction that we supplied as Original Equipment (OE) to the Australian automotive Industry.

Suitable for withstanding the high pressures used in modern fuel injection systems and compatible with leaded and unleaded petrol, Ethanol blended fuels up to E85, Diesel & Biodiesel fuels, LPG vapour, lubricating oil as well as crankcase and fuel vapour applications.

Manufactured using a Viton® Fluoroelastomer (FKM) inner lining chosen for its high heat tolerance, low permeation characteristics as well as its ability to handle alcohol and oxygenated fuels, this is then coated by an intermediate layer of Hypalon® (CSM) rubber, which is braided with Polyester fibre reinforcement for high burst strength, the final outer cover layer is an abrasion and oil resistant Hypalon® (CSM) rubber for maximum heat and ozone protection ensuring long service life.

Exceeds Fuel Injection Hose Specification SAE J30R9

Working Temperature Range -34°C to 135°C (-29°F to 275°F) and intermittent use at 150°C (302°F)

**Caution:** This hose is not suitable for Methanol levels over 15%, in-tank fuel submersion, coolant, brake fluid or marine applications.

### FUEL INJECTION HOSE

ID mm	ID Inches	Part No.	Length	Packaging	SAE 30R9 Maximum Working Pressure		SAE 30R9 Minimum Burst Pressure	
6.3mm	1/4"	FIH6X1	1m	Retail Pack	0.69 MPa	100 psi	6.2 MPa	900 psi
		FIH6502	2m	Plastic Bag				
		FIH6505	5m	Plastic Bag				
		FIH6510	10m	Box				
8mm	5/16"	FIH8X1	1m	Retail Pack	0.69 MPa	100 psi	6.2 MPa	900 psi
		FIH802	2m	Plastic Bag				
		FIH805	5m	Plastic Bag				
		FIH810	10m	Box				
9.5mm	3/8"	FIH9502	2m	Plastic Bag	0.69 MPa	100 psi	6.2 MPa	900 psi
		FIH9505	5m	Plastic Bag				
		FIH9510	10m	Box				

## BRAKE BOOSTER VACUUM HOSE - LIGHT WALL CONSTRUCTION

Mackay Brake Booster Vacuum Hose is manufactured using the same materials and construction that we supplied as Original Equipment (OE) to the Australian automotive Industry.

Suitable for the light duty vacuum brake applications found on Passenger Cars and Light Trucks.

Manufactured using an oil and fuel vapour resistant Nitrile (NBR) rubber inner tube, high levels of Polyester fibre reinforcement for resistance against vacuum collapse, with an outer Hypalon® (CSM) cover material known for its excellent heat and ozone resistance.

Exceeds Vacuum Brake Hose Specification SAE J1403 Type L

Working Temperature Range -40°C to 125°C (-40°F to 257°F)

**Caution:** This hose is not suitable for coolant or brake fluid applications.

### POWER BRAKE VACUUM HOSE

ID mm	ID Inches	Part No.	Length	Packaging	SAE 1403 Vacuum Requirement		SAE 1403 Pressure Requirement	
8.8mm	1 1/32"	BVH902	2m	Plastic Bag	88 kPa	26 Hg	2.41 MPa	350 psi
		BVH905	5m	Plastic Bag	88 kPa	26 Hg	2.41 MPa	350 psi
		BVH910	10m	Box	88 kPa	26 Hg	2.41 MPa	350 psi
12mm	15/32"	BVH1202	2m	Plastic Bag	88 kPa	26 Hg	2.41 MPa	350 psi
		BVH1205	5m	Plastic Bag	88 kPa	26 Hg	2.41 MPa	350 psi
		BVH1210	10m	Box	88 kPa	26 Hg	2.41 MPa	350 psi

## EMISSIONS CONTROL, FUEL VAPOUR & VACUUM HOSE

Mackay EFV Hose is manufactured using the same materials and specifications that we supplied to the local automotive Industry as Original Equipment (OE).

It is constructed of a non-reinforced Nitrile/PVC (NBR/PVC) rubber tube that gives it resistance to crankcase fumes, Petrol, Diesel and Ethanol vapour while also providing protection against the aging effects of heat and ozone degradation.

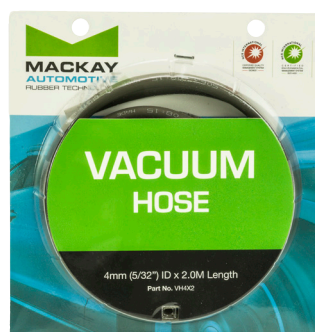
Manufactured to the original OE specifications this hose is suitable for emissions control, fuel vapour and vacuum applications as well as having the pressure capability required to regulate turbo control valves.

Working Temperature Range -34°C to 125°C (-29°F to 257°F)

**Caution:** This hose is not suitable for fuel, oil, coolant, or brake fluid applications.

### EMISSIONS CONTROL, FUEL VAPOUR & VACUUM HOSE

ID mm	ID I nches	Part No.	Length	Packaging
3mm	1/8"	EFV1003X2	2m	Plastic Bag
		EFV1003X10	10m	Box
		EFV1003X20	20m	Box
4mm	5/32"	VH4X2	2m	Retail Pack
		EFV1004X2	2m	Plastic Bag
		EFV1004X10	10m	Box
		EFV1004X20	20m	Box
5.5mm	7/32"	EFV10055X2	2m	Plastic Bag
		EFV10055X10	10m	Box
6mm	1/4"	EFV1006X2	2m	Plastic Bag
		EFV1006X10	10m	Box
		EFV1006X20	20m	Box



## TRANSMISSION OIL COOLER & POWER STEERING RETURN HOSE

Mackay Transmission Oil Cooler and Power Steering Return Hose has been developed using materials from our experience as an Original Equipment Manufacturer (OEM).

Suitable for use with transmission & power steering fluids.

Manufactured using a Nitrile (NBR) rubber tube, with a knitted high tensile strength Para-Aramid fibre reinforcement for maximum burst protection, with an oil resistant Nitrile/PVC (NBR/PVC) rubber outer cover layer for heat and ozone protection.

Exceeds Power Steering Return Hose Specification SAE J189

Working Temperature Range -40°C to 120°C (-40°F to 248°F) average and 135°C (275°F) maximum peaks

**Caution:** Not suitable for coolant, brake fluid or high pressure power steering line applications.

### TRANSMISSION COOLER & POWER STEERING RETURN HOSE

ID mm	ID Inches	Part No.	Length	Packaging	SAE J189 Maximum Working Pressure		SAE J189 Minimum Burst Pressure	
8mm	5/16"	TPH8X2	2m	Retail Pack	0.69 MPa	100 psi	6.9 MPa	1000 psi
		TPH802	2m	Plastic Bag				
		TPH805	5m	Plastic Bag				
		TPH810	10m	Box				
		TPH820	20m	Box				
9.5mm	3/8"	TPH10X2	2m	Retail Pack	0.69 MPa	100 psi	6.9 MPa	1000 psi
		TPH1002	2m	Plastic Bag				
		TPH1005	5m	Plastic Bag				
		TPH1010	10m	Box				
		TPH1020	20m	Box				

## WINDSCREEN WASHER TUBING

Mackay Windscreen Washer Tubing is constructed of a nonreinforced EPDM tube, that is resistant to ozone, heat and water swell.

Exceeds Windscreen Washer Tubing Specification SAE J1037

Working Temperature Range -40°C to 125°C (-40°F to 257°F)

**Caution:** Not suitable for fuel, oil transfer or brake fluid applications.

### WINDSCREEN WASHER TUBING

ID mm	ID Inches	Part No.	Length	Packaging	Maximum Working Pressure		SAE J1037 Minimum Burst Pressure	
3.2mm	1/8"	WT3.2X2	2m	Plastic Bag	0.17 MPa	25 psi	0.70 MPa	102 psi
		WT3.2X10	10m	Box				
4.8mm	3/16"	WT4.8X2	2m	Plastic Bag				
		WT4.8X10	10m	Box				
6.3mm	1/4"	WT6.3X2	2m	Plastic Bag				
		WT6.3X10	10m	Box				

## RADIATOR OVERFLOW HOSE

Low pressure non reinforced hose made from EPDM, providing resistance to coolant additives and heat and ozone.

### RADIATOR OVERFLOW HOSE

ID mm	ID Inches	Part No.	Length	Packaging
8mm	5/16"	OFH801	1m	Plastic Bag
		OFH810	10m	Box
		OFH820	20m	Box
		OFH8100	100m	Box
		OFH1001	1m	Plastic Bag
10mm	3/8"	OFH1010	10m	Box
		OFH1020	20m	Box