



BRAKE & CLUTCH FLUID RESERVOIR CATALOGUE 2009



In addition to genuine ENGLISH GIRLING and AMERICAN TILTON Brake and Clutch Master Cylinders Earl's Australia carries a wide range of Fluid Reservoirs and accessories for same.

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Pages 7 & 8 - ACCESSORIES Ctd. Anti Spill Diaphragms, Spare Caps, Inlet & Outlet Adaptors, Brake Fluid Compatible Hose,

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GIRLING PLASTIC RESERVOIRS

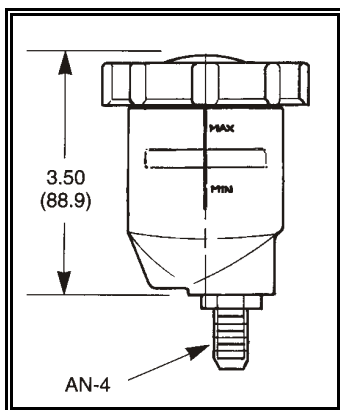


64047341 & 64046158 RESERVOIRS

64047341 and **64046158** Girling Master Cylinders are fitted with male threaded outlet adaptors. This allows the reservoirs to be screwed directly into Girling, AP and Tilton cylinders with a 7/16 x 20 inlet port thread.

They may also be mounted at a distance from the cylinder and connected with either an AN -4 Teflon lined steel braided hose and screw on hose ends, or by using a male barb connector with 7/16 x 20 female thread such as Earl's **700145** (straight) **704645** (45 degrees) and **709145** (90 degrees). If required a barb adaptor with 7/16 x 20 Male thread (**PB000136**) is available to screw into the Master Cylinder to accept the fluid hose.

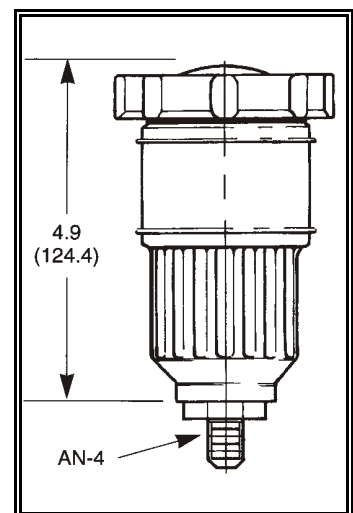
The smaller cylinder, **64047341**, has an adjustable offset outlet adaptor. This is of particular use when fitting reservoirs directly to two cylinders very close together as the reservoirs can be placed so as not to foul each other and leave space for loosening their caps. The caps on both these reservoirs include an anti splash baffle.



64047341



64047341 Offset
feature shown



64046158

AP RACING PLASTIC RESERVOIRS

CP5709-10 Lockheed Reservoir has a 9.5 mm outlet barb which can be connected to **PB00136** or other type of barb at the Master Cylinder. A Tie Wrap and Tie Wrap Saddle is included to assist in mounting of this Reservoir



CP5709-10 Reservoir & Tie Wrap

CP2293-85 is a Dual Outlet reservoir with two 9.5 mm barbs to connect to two Master Cylinders. The cap for this reservoir includes a standard anti spill diaphragm.



CP2293-85 Dual Outlet res.



CP2293-85 Outlets & Cap

TILTON PLASTIC RESERVOIRS

The TILTON reservoirs are included “in the box” with many Tilton Master Cylinders. However we can supply both large and small reservoirs together with a mounting bracket, reservoir cap and fixing clamp separately. This way they can be used with almost any other make of Master Cylinder.

74-202 is the large reservoir, **74-203** is medium, **74-204** is small. Their cap is **74-207** and the locating clamp **74-208**. **74-212** is the mounting bracket and **72-502** the hose.



74-204, 74-203, 74-202 TILTON Reservoirs & Baffles



74-204, 74-202, 74-212, 74-208 and 72-502

RESERVOIRS WITH FLUID LEVEL WARNING SWITCHES

On most road registered vehicles it is a requirement to have a visible warning of falling brake fluid level.

Earl's can supply two types of reservoir containing an electrical level warning switch.

Single Outlet. Part no **FLIRES 1** includes a mounting bracket and a single 9.5 mm barb outlet.

Twin Outlet. Part no **FLIRES 2** has twin 9.5 mm outlet barbs to feed either two separate cylinders or the front and rear chambers of a tandem master cylinder.

The filler cap assembly on both these caps includes two male spade connectors to enable the switch to be wired to and activate a suitably located warning light.



FLIRES1 Single outlet reservoir



FLIRES2 Twin outlet reservoir

TABLE OF RESERVOIR CAPACITIES AND DIMENSIONS

PART NO	NOTES	CAPACITY APPROX. (CC or FL.OZ)	SPIGOT SIZE (MM) or thread	HEIGHT EXCL. SPIGOT/S	DIAM. OR WIDTH	LENGTH IF NOT ROUND
CP5709-10	Inc. Bracket	185	9.5	128	66	N/A
64046158	Tall Girling	180	7/16 x 200	108	76	N/A
64047341	Offsettable	105	7/16 x 30	82	76	N/A
74-202 *	Small Tilton	4 Fl Oz.	9.5	66	49	69
74-204 *	Big Tilton	10.7 Fl. Oz	9.5	57	83	120
CP2293-85	Twin Outlet	280	2 x 9.5	105	88	N/A
FLIRES 1	Level Ind	160	1 x 9.5	84	82	N/A
FLIRES 2	Level Ind	350	2 x 9.5	66	45	120

* Note. Tilton Reservoirs 74-202 and 74-204 mount onto Tilton remote mount bracket 74-212.

ACCESSORIES, ANCILLARIES & SPARE PARTS

GIRLING RESERVOIR EXTENSION for small integral reservoir Girling Master cylinders.

Part Number **64475476** is a small extension assembly which screws in place of the regular cap on English Girling Master Cylinders. It provides a visible fluid level check, a little extra fluid capacity and reduced spillage.



64475476 Reservoir Extension



64475476 on Cylinder

MOISTURE BARRIER DIAPHRAGMS. These Girling parts fit small and large integral reservoir Girling Master Cylinders. They replace the rubber gasket and baffle in the standard cap.

They seal the fluid from any atmospheric moisture, so prolonging fluid life, and also prevent any spillage under severe racing or rough road conditions. As the fluid level drops with brake lining wear the diaphragms extend like bellows.

Part numbers are **411X4873** for the small diaphragm, **64478356** for the large one.



Diaphragms - extended



Diaphragms top view

FLUID RESERVOIR CAPS

Spare plastic caps for both large and small Girling reservoirs and cylinders are available.

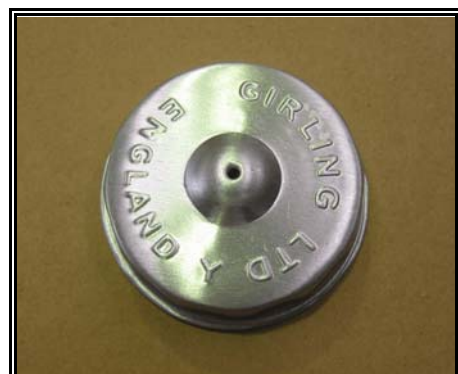
64474602 fits **64046158** and **64047341** Girling Reservoirs (page 2).

74470143 is the cap to suit small integral reservoir Girling Master Cylinders

HISTORIC METAL TANK CAP. Early Girling Cylinders had a metal cap, later replaced by plastic. We are able to supply new metal caps to replace lost or damaged ones and keep historically important vehicles in original condition. The Part number is **64473143**.



74470143 & 64474602 Plastic caps



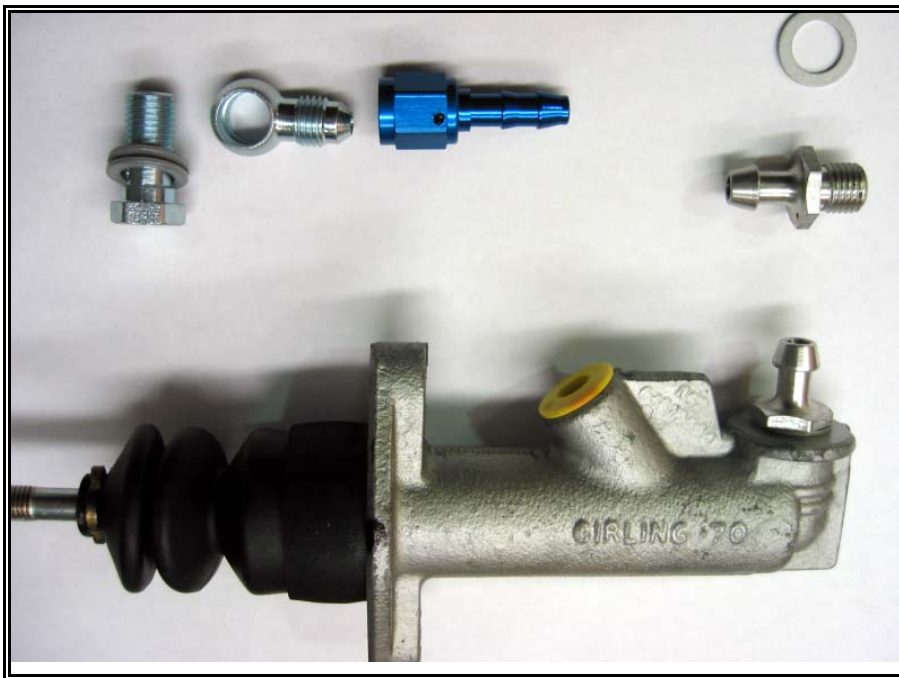
64473143 Historic Metal Cap

INLET AND OUTLET BARB ADAPTORS CONNECTING TO A REMOTELY MOUNTED RESERVOIR

As shown below we can offer two simple methods to help you connect the cylinder by a suitable hose to a reservoir mounted at a distance from the cylinder.

The first is just a straight barb connector Part No. **PB000136** with washer **177004**. This has a 7/16 x 20 male thread to screw directly into the inlet port of Girling Cylinders.

If clearances are a problem and you need make the outlet horizontal, you can use Banjo Adaptor **997604** with 7/16 Banjo Bolt (supplied with two washers) **977504** and screw on barb connector **700145**.



Straight and Banjo type barb adaptors with Cylinder

BRAKE FLUID COMPATIBLE HOSE

For barb connections we recommend use of our 72-502 hose which is unaffected by brake fluid, unlike most other rubber hoses - including braided rubber lined hose.

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