

B. W. MODELS.

BEDFORD RLHZ, 4 x 4, Self Propelled Pump

"GREEN GODDESS."

Auxiliary Fire Service.

In 1948, with the threat of a possible major and even nuclear war looming and the increase in tension between East/West, serious thought was given by the government of the day to re-forming the Auxiliary Fire Service and providing a range of specialised vehicles to equip them with. Recruitment and training for the Auxiliary Fire Service began on 15/11/49. The vehicles chosen to equip the service were normally based on either the Bedford R/S types or the Commer Q4. The Bedford Self propelled pump was supplied in 2 versions, 4 x 2 and 4 x 4. The 4 x 4 version is the subject of this kit. The vehicle was designed as a high capacity pumping appliance with strength, versatility and high performance. The idea of a 4 x 4 version being to allow access under less than ideal ground conditions. A light portable pump was also carried to allow fire fighting to be attempted where even a 4 x 4 vehicle could not reach. The Auxiliary Fire Service was disbanded in 1968, but this was not the end of the line for the Self propelled pump. Some were sold off as surplus, being obtained by individuals for preservation and by many airfields and businesses for use as fire fighting vehicles. Those retained by the government have also been utilised to the full. Initially during the late 1960's /early 1970's as back up vehicles for fire brigades, then in 1976 during the Fireman's strike when they were manned by military personnel and formed the front line fire cover for many weeks. During periods of serious flooding or major grassland fires where prolonged attendance is required, they are often utilised to enable the normal fire service equipment to be freed for more urgent use. As of the year 2000, there are still some 1000 "Green Goddess" vehicles maintained by "TNT Truckcare" ready for immediate use.

GENERAL NOTES.

Please read all instructions carefully before commencing assembly. Clean all sprue marks and any flash from the pieces before commencing. The model can be assembled using either Superglue, 5 minute epoxy adhesive or Low Melt Solders. The kit contains 48 pieces, including a piece of acetate for glazing purposes. It is recommended that the kit is built in 2 main sections:- 1).Main body, 2).Chassis, and below is a suggested sequence for assembly.

ASSEMBLY INSTRUCTIONS.

A). Main Body.

- 1). Glaze all windows.
- 3). Fit the dashpanel/engine cover to the cab floor, centrally with the dashboard locating against the raised strip at the front of the cab floor.
- 4). Fit the steering wheel to the steering column, then fit the complete unit into position on the cab floor mounting point, ensuring that it does not catch against the cab front when the floor is located up inside the cab shell.
- 5). Fit the cab seats into place on the cab floor.
- 6). Fit the cab floor unit into position behind the cab front wall. The front of the floor unit locating underneath the lip at the rear of the cab front wall.
- 7). Fit the left hand body side into position.

- 8). Fit the Cab roof into position.
- 9). Fit the cab rear wall into place, the bottom of the wall fits behind the rear of the floor unit. The built in shelf space goes to the top.
- 10). Fit the rear body wall into place. It locates to the rear of the location strip on the inner body side, the bottom of the wall unit and body side being level.
- 11). Fit the left hand body side into place.
- 12). Fit the rear body roof into place then place the complete unit to one side.

B). Chassis.

- 1). Identify the front and rear wheels. The rear wheels are those with the recessed centres.
- 2). Locate the front axle with the slightly off-set differential and fit the front wheels.
- 3). Fit the rear wheels to the rear axle.
- 4). Fit the axles to the spring location points, ensuring the chassis sits squarely.
- 5). Fit the short propshaft between the engine and gearbox.
- 6). Fit the medium propshaft between gearbox and rear axle.
- 7). Fit the long propshaft between the gearbox and front axle.
- 8). Fit the lower engine unit and sumpguard to the front of the chassis, between chassis frames. The front of the unit should be level with the front of the chassis, with the 2 extensions (For locating the front bumper) projecting to the front (see sketch).
- 9). Fit the main body unit onto the chassis, ensuring that the cab front sits on top of the 2 chassis extensions.
- 10). Fit the front bumper to the front of the chassis extensions, making sure it fits centrally.

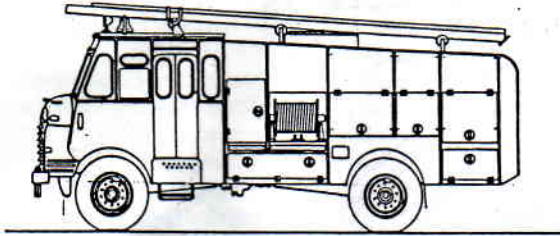
C). Ancillary items.

- 1). Fit the 3 ladder mounting frames to the vehicle roof. The smallest mounting locates on the cab roof, straddling the location strip. The medium sized mounting straddles the location strip on the body roof, and the largest mounting sits on the location points on the rear body wall.
- 2). Fit the 2 small steps into place underneath the front bumper. These fit equi-distant from the central number plate (see sketch).
- 3). The spare wheel on these vehicles was sometimes carried on the body roof. If shown in this position, it locates immediately to the rear of the central ladder mounting bracket.
- 4). Fit the ladder onto its mounting brackets, the front of the ladder not extending beyond the cab front.
- 5). Fit the spotlight into position at the front centre of the roof.
- 6). Fit the bell into position on its location points at the left front of the roof.
- 7). Fit the steps into place under each side entrance door.
- 8). Fit a hose reel unit into each body side recess.
- 9). The outlet hose pipe is fitted to the body rear wall, fitting underneath the raised floor section, into the space above the semi-circular pump unit (see sketch).
- 10). The small section of larger diameter pipe fits onto the raised centre section of the semi-circular pump unit (see sketch).
- 11). The 4 small hand wheels go on the top of each hose outlet.
- 12). The 2 wheel axle unit locates onto the rear body wall, onto the 2 raised lugs.
- 13). The 2 rear body steps locate onto the mounting points at the bottom rear of each side of the rear body wall.

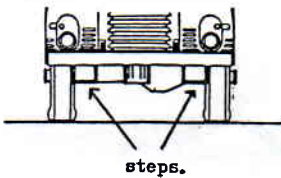
PARTS LIST.

- | | | | |
|------------------------|---------------------|------------------------------|-----------------|
| Body side x 2. | Chassis. | Rear body roof. | Rear body wall. |
| Axle x 2. | Cab floor. | Seat x 2. | Wheel x 4. |
| Dash panel. | Propshaft x 3. | Steering wheel. | Front bumper. |
| Steering column. | Cab rear wall. | Cab roof. | Cab front. |
| Acetate. | Sumpguard unit. | Outlet pipe bracket. | Ladder. |
| Bell. | Spotlight. | Hose reel x 2. | Spare wheel. |
| Cab step x 2. | Rear body step x 2. | Pump intake pipe. | Handwheel x 4. |
| Front bumper step x 2. | | Ladder mounting bracket x 3. | |
| 2 wheel axle unit. | | | |

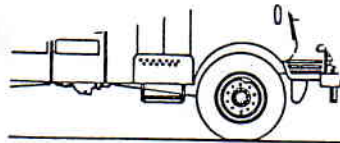
Bedford RLHZ, 4 x 4, "Green Goddess"



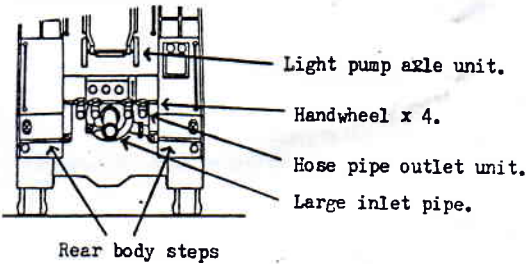
Front bumper steps.



Body side steps.



Rear body fittings.



Light pump axle unit.

Handwheel x 4.

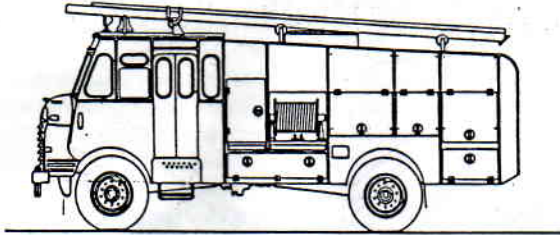
Hose pipe outlet unit.

Large inlet pipe.

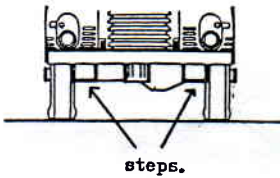
PARTS LIST.

- | | | | |
|------------------------|---------------------|------------------------------|-----------------|
| Body side x 2. | Chassis. | Rear body roof. | Rear body wall. |
| Axle x 2. | Cab floor. | Seat x 2. | Wheel x 4. |
| Dash panel. | Propshaft x 3. | Steering wheel. | Front bumper. |
| Steering column. | Cab rear wall. | Cab roof. | Cab front. |
| Acetate. | Sumpguard unit. | Outlet pipe bracket. | Ladder. |
| Bell. | Spotlight. | Hose reel x 2. | Spare wheel. |
| Cab step x 2. | Rear body step x 2. | Pump intake pipe. | Handwheel x 4. |
| Front bumper step x 2. | | Ladder mounting bracket x 3. | |
| 2 wheel axle unit. | | | |

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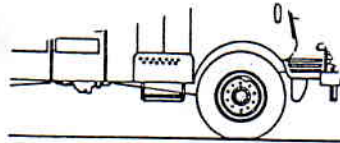


Front bumper steps.

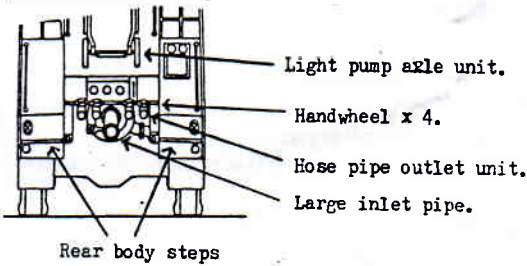


steps.

Body side steps.



Rear body fitments.



Rear body steps