

The following make/model transmissions are approved and warranted for towing when equipped with -  
**HARDWARE PACK # LP-HP007**

<b>Buick</b>
LeSabre (4T60E)
Rendezvous (4T65E)
Regal (4T65E)
Terraza (4T65E)
<b>DODGE</b>
Intrepid (42LE)
<b>CHEVROLET</b>
Impala (4T65E)
Monte Carlo (4T65E/4T60E)
Uplander (4T65E)
Venture (4t65E)

## **Towed Vehicle** **Lube Pump and Plumbing** **Installation Instructions**



# **LP-HP007**

**INSTALLER: GIVE THESE INSTRUCTIONS TO THE END USER AFTER INSTALLATION FOR THEIR FUTURE REFERENCE**

NO WARRANTY IS EXPRESSED OR IMPLIED FOR LUBE PUMP COMPONENTS OR VEHICLE'S TRANSMISSION UNLESS WARRANTY CARD IS FILLED OUT, DATED, AND SUBMITTED TO REMCO

See Warranty Card in the General Information Manual Page5

## REMCO LUBE PUMP PACK

### LP-HP007

**TO COMPLETE THE PLUMBING OF YOUR TRANSMISSION WITH THE LUBE PUMP KIT YOU WILL NEED TO LOCATE THE FOLLOWING ITEMS FROM YOUR BASE KIT (LP-BK01) AND USE THEM IN CONJUNCTION WITH THE LP-HP007 HARDWARE PACK TO COMPLETE THE INSTALLATION.**

<b>USE FOLLOWING PARTS FROM BASE KIT (LP-BK01)</b>		
<b>Part #</b>	<b>Description</b>	<b>Quantity</b>
11010046	PUMP ASSEMBLY	1
11010047	LP, PUMP MOUNT BRACKET ASSEMBLY	1
40010019	3/8" HOSE	16'
<b>USE FOLLOWING PARTS FROM HARDWARE PACK (LP-HP007)</b>		
<b>Part #</b>	<b>Description</b>	<b>Quantity</b>
10010032	LP, SELF-TAP PAN CONNECTOR & PUNCH	1
11010007-38	LP, SELECTOR VALVE ASSEMBLY	1
40010027-S	SILICONE SEALANT, 3 OZ., (BLACK)	1
<b>Technical Manual</b>		
<b>40010074</b>	<b>SELF-TAP PAN FITTING &amp; PUNCH BOOKLET</b>	1

**AFTER INSTALLING THIS LUBE PUMP AND PLUMBING,  
FIND THE WIRING INSTRUCTIONS IN THE  
GENERAL INFORMATION & MOTORCOACH WIRING  
(LP-BK01) INSTRUCTION MANUAL**

## SELECTOR VALVE INSTALLATION

The selector valve is installed into the existing transmission/cooler lubrication line, which carries the fluid **from the transmission to the radiator (cooler)**. A second line (hose) normally runs alongside this line to carry the fluid from the cooler back to the transmission.

**NOTE 1:** Refer to the **DIAGRAM, page 4.**

**NOTE 2:** Some orderly planning should be given to the location of the selector valve. Consider the following:

1. Using the supplied 3/8" hose and fittings, extend the transmission lines so that the selector valve will mount within the engine compartment.
2. The valve and hoses should be located where they will not be damaged by road hazards, other moving parts, sharp edges, or hot exhaust parts. The valve can be secured by using plastic ties included in the kit.
3. Hoses should not bend too sharply causing a restriction in the fluid flow.

**NOTE 3:** **Make sure the hoses will not be damaged by road hazards, other moving parts, sharp edges, or hot exhaust parts. The valve can be secured by using plastic ties included in the kit. Also, hoses should not be bent too sharply causing a restriction in the fluid flow.**

**WARNING:** **THE SELECTOR VALVE MUST BE CONNECTED INTO THE HOSE, WHICH CARRIES THE TRANSMISSION FLUID FROM THE TRANSMISSION TO THE COOLER WHEN THE VEHICLE'S ENGINE IS RUNNING AND THE TRANSMISSION IN NEUTRAL (N).**

1. To determine which hose must be used, disconnect one of the hoses from the transmission. (Expect a small amount of fluid to drain from the line).
2. Attach the 3/8" hose provided in the kit to the transmission line and arrange the hoses in a container.
3. Have an assistant momentarily start the engine or crank the engine with the starter to cause fluid to flow from one or the other open ends of the hose.
4. If the fluid flows from the transmission hose, you have disconnected the proper line; continue on. If the fluid flows from the radiator hose, you have disconnected the wrong hose. Repeat Step 1.

## CONNECTING THE PROPER HOSE TO THE SELECTOR-VALVE

1. Determine the appropriate length of hose for selector valve.
2. Using one of the hose clamps, connect the rubber transmission hose coming from the transmission port to the “**Trans**” connection of the **LP, Selector Valve Assembly**.
3. Using one of the hose clamps, connect the rubber hose coming from the vehicle cooler to the “**cooler**” connection of the **LP, Selector Valve Assembly**.

The “**PUMP**” connection of the selector valve will later be connected to the pump.

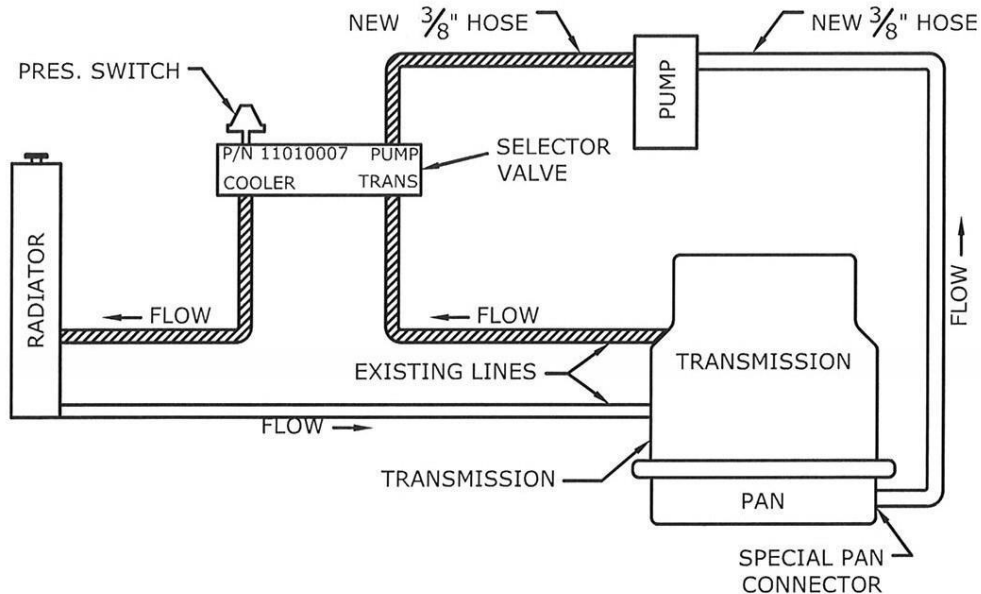


DIAGRAM 1  
PUMP, SELECTOR VALVE, NEW HOSE, & FLUID FLOW  
LP-1 KIT

### • **INSTALLATION OF THE SELF-TAP PAN CONNECTOR:**

The Self-Tap Pan Connector Booklet (**p/n 40010074, included**) will have specific mounting locations for your particular Transmission Pan. Please reference this booklet and follow its procedures when installing the Self-Tap Pan Fitting.

Before reading the Self-Tap Pan Connector booklet, please look through your LP-HP007 Hardware Pack and remove the Self-Tap Pan Fitting and The Punch Tool. They are pictured on page 5 (Pic #1, Pan Punch—Pic#2, Self-Tap Pan Fitting).

**Pic #1 (Pan Punch)**



**Pic # 2 (Self-Tap Pan Connector)**



**Note 1:** Removal of the transmission pan is not required when using the self-tapping pan fitting.

Step 1. Mark the transmission pan as per application diagram.

Step 2. Pierce the wall of the transmission pan in the desired location using the special punch.

Step 3. Drive the punch into the pan until the shoulder of the punch contacts the pan wall.

Step 4. Remove the punch and allow fluid to drain from the hole.

Step 5. When the fluid has stopped running out of the hole, raise the side of the vehicle so the fluid will drain away from the hole. This will allow you to apply the silicone to a clean fluid free surface.

Step 6. Wipe dry the fluid around and in the punched hole.

Step 7. With a 5/8 inch – 1/2 inch drive socket, carefully turn the connector into the hole. Keep the connector as square as possible to the pan wall.

Step 8. Turn in the connector until the hex shoulder contacts the pan.

Step 9. Back the connector out enough to apply a liberal amount of silicone sealant (Provided in the LP-HP007 Pack; **p/n 40010027**) to the pan connector threads. Tighten the connector until it firmly contacts the pan. Be sure not to over tighten the connector.

**Note 2:** The proceeding steps were taken directly from the Self-Tap Pan Connector Booklet included with this pack. Please read this booklet for more information and recommended locations for the connector for your specific transmission pan..

## LUBE PUMP INSTALLATION

**WARNING:** **Failure to follow the procedures listed below will void the warranty on your pump.**

**LOCATION:** It is important to determine a desirable place on the vehicle to locate the lube pump. The best location may vary from vehicle to vehicle.

**NOTE 1:** **Locate the pump in the upper part of the engine compartment, under the hood. This is important to keep the pump from being exposed to the weather and other harsh elements.**

**NOTE 2:** **Mount the pump vertically (motor down only) or horizontally to help insure no water can collect and cause failure. Do Not mount in the fender well or behind the bumper. This will void the warranty.**

**Included in this kit is a pump mounting bracket assembly (p/n 11010047). This allows the pump to be installed on the strut tower, the firewall or the radiator support as examples.**

**INSTALLATION:** (Refer to **DIAGRAM** page 4)

**NOTE 3:** **When routing the 3/8" hose to the pump, selector valve and self-tapping pan connector be sure to route them where road hazards, other moving parts, sharp edges, or hot exhaust parts will not damage them.**

Step 1. Mount the pump in the engine compartment. (See notes above).

Step 2. Using a suitable length of 3/8" hose and one of the hose clamps, connect one end of the hose to the **output side** of the pump.

Step 3. Route the other end of the 3/8" hose to the selector valve and connect it to the **"PUMP"** connection of the selector valve.

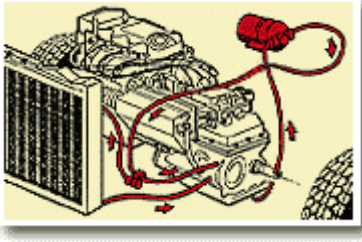
**WARNING:** **THE LINE FROM THE PUMP MUST BE CONNECTED TO THE "PUMP" CONNECTION ON THE VALVE.**

Step 4. Using one of the hose clamps (provided), connect one end of the 8-ft. length of the 3/8" hose to the **input side** of the lube pump. Route (carefully) 3/8" hose to the **Self-Tapping pan Connector** on the transmission sump. Cut the hose to a suitable length.

- Step 5. Using one of the hose clamps connect the 3/8” hose to the **Self-Tapping pan connector**. Make sure hose clamps are securely tightened on all connections.
- Step 6. When all connections are complete and all hose clamps securely tightened, refill the transmission with new transmission fluid through the filler tube. Consult the vehicle Owner’s Manual for the proper type fluid to use and for the recommended procedures to make sure the proper fluid level is restored. Proper fluid level is essential for trouble-free operation of the transmission as well as the lube pump. **RE-CHECK TRANSMISSION FLUID LEVEL AFTER INSTALLATION. WHEN VEHICLE IS SAFE TO RUN. THIS IS A MUST!**

**For Installation Testing, Towing Checklist, and Troubleshooting see back section of the LP-BK01 General Information Manual.**

**REMCO** OFFERS THESE PRODUCTS FOR YOUR TOWING CONVENIENCE



**REMCO'S Lube-Pump** lubricates and cools the Select Front-Wheel Drive, Rear-Wheel Drive, Four-Wheel Drive, and All-Wheel Drive vehicles while towing.



**REMCO'S Tail Light Wiring Kit** is for easy hook up of your tail lights and turn signals for towing.



**REMCO'S 12-Volt (DC) RV Water System Pumps**

**REMCO**<sup>TM</sup>

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