

# Champion



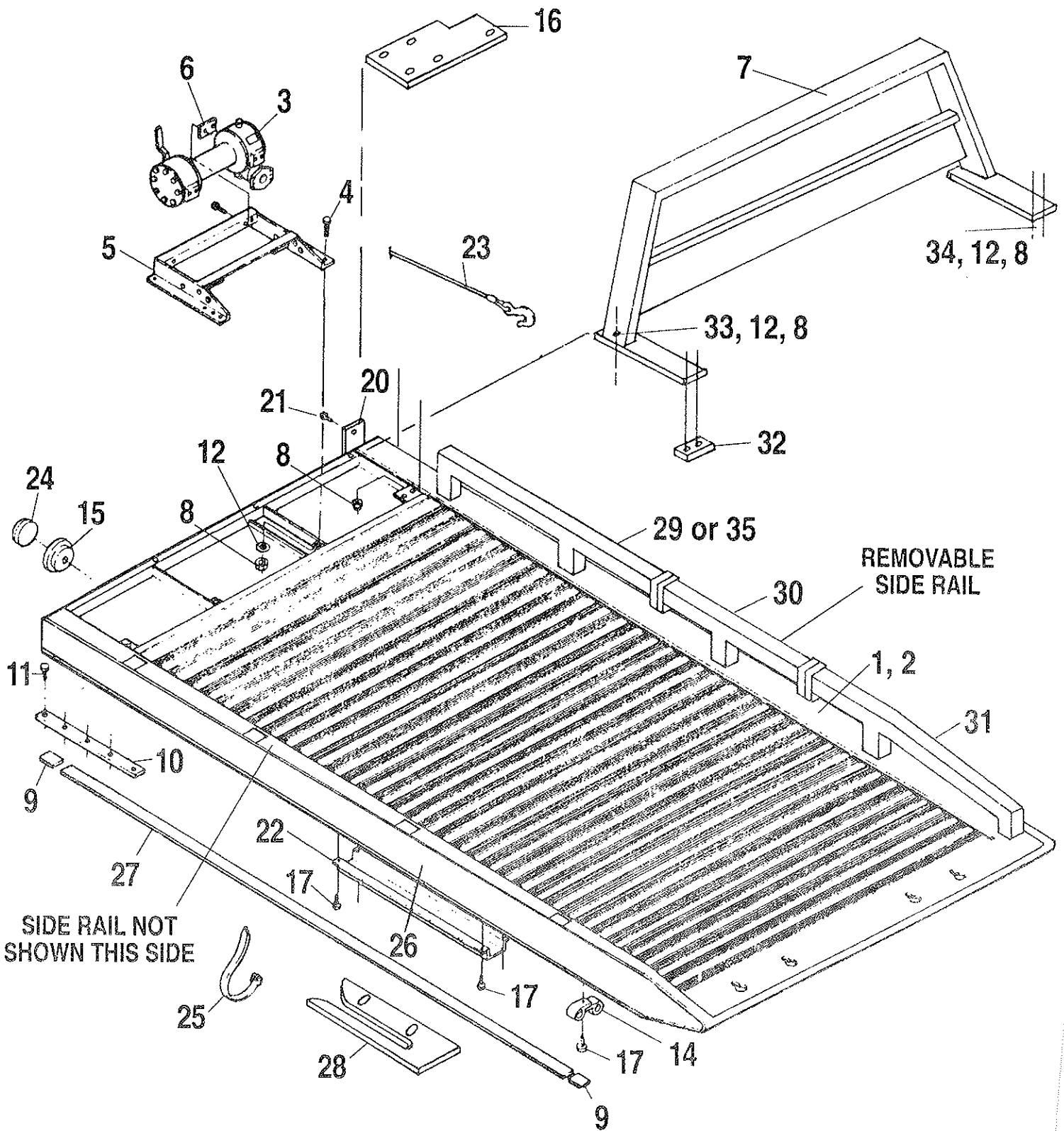
## OWNER'S MANUAL

# ALUMINUM & STEEL CAR CARRIERS

**Parts, Installation & Maintenance**

I-75 at Ooltewah Exit #11 • 8503 Hilltop Drive • Ooltewah, Tennessee 37363 • (615) 238-4171  
Mailing Address: P.O. Box 50 • Ooltewah, Tennessee 37363 • FAX (615) 238-5371  
PRICE \$15.00      PART NO. 0500800

# SECTION I - PARTS ALUMINUM BED ASSEMBLY





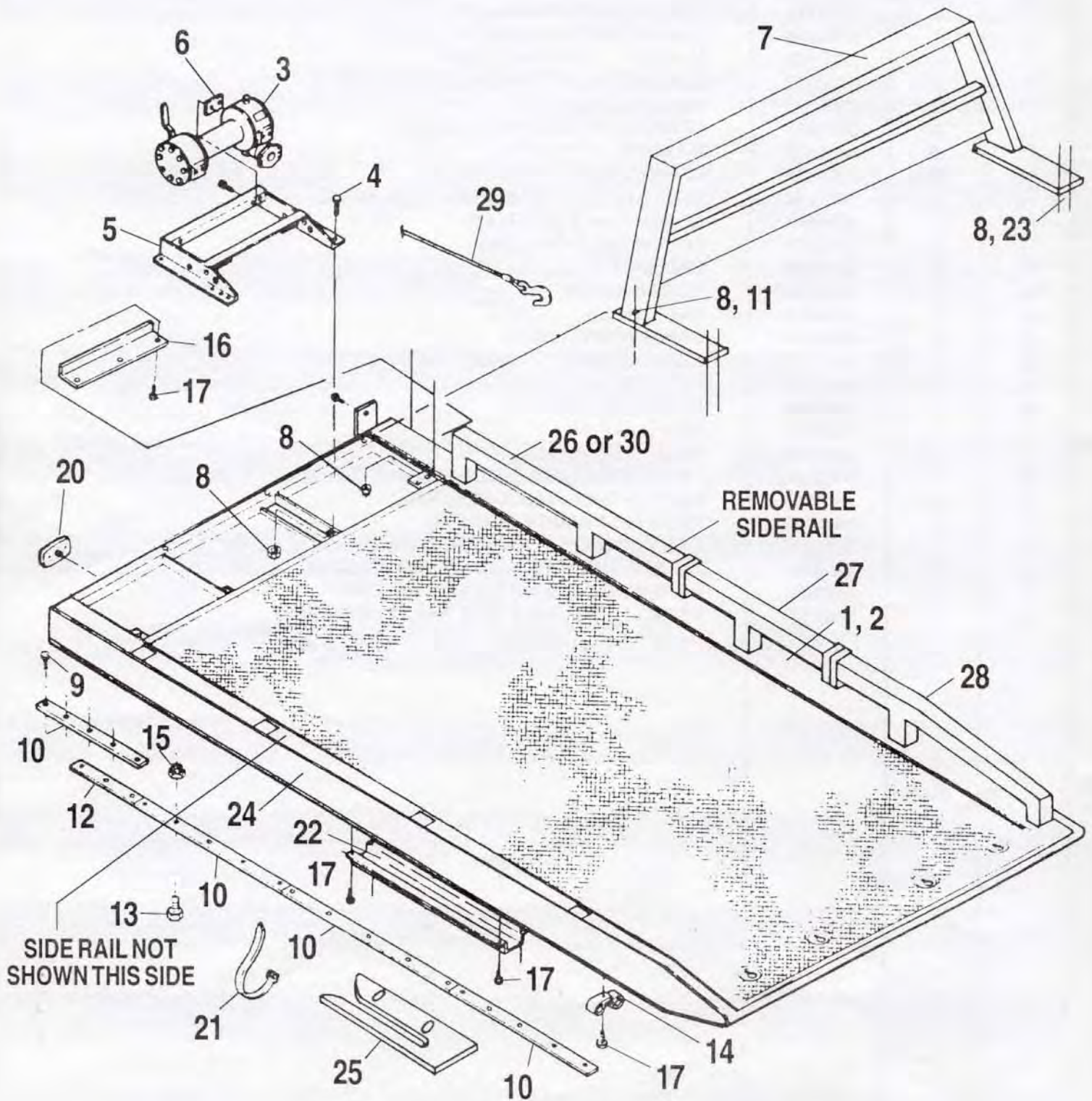
# SECTION 1 - PARTS

## ALUMINUM BED ASSEMBLY

| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                               |
|----------|------------|-------------|---|
| 1        | 1          | 0805033     | CAR CARRIER 19' ALUMINUM                  |
| 2        | 1          | 0805034     | CAR CARRIER 21' ALUMINUM                  |
| 3        | 1          | 0300250     | WINCH ASS'Y.                              |
| 4        | 2          | 0400181     | SCREW, 1/2" - 1-1/2" LG. HEX HD. CAP      |
| 5        | 1          | 0801482     | WINCH MOUNTING BRACKET                    |
| 6        | 2          | 0701172     | SPACER WINCH BRACKET                      |
| 7        | 1          | 0805020     | CAB PROTECTOR (SPECIFY HEIGHT)            |
| 8        | 16         | 0400408     | NUT, 1/2" - 13 NYLON LOCK                 |
| 9        | 4          | 0702517     | BEARING PAD STOP BAR                      |
| 10       | 2          | 0302027     | BEARING PAD                               |
| 11       | 8          | 0400088     | SCREW, 1/4" - 20 x 5/8" LG. BRASS         |
| 12       | 16         | 0400492     | WASHER, 1/2" FLAT                         |
| 14       | 14         | 0300134     | HOSE CLAMP                                |
| 15       | 2          | 0301740     | GROMMET, LIGHT ASSEMBLY MOUNTING          |
| 16       | 1          | 0709868     | COVER PLATE (BOTTOM)                      |
| 17       | 15         | 0400077     | SCREW, SELF-DRILLING                      |
| 20       | 2          | 0709869     | CAP, END                                  |
| 21       | 6          | 0400044     | SCREW, DRIVE                              |
| 22       | 1          | 0704799     | TRAY, HOSE                                |
| 23       | 1          | 0301669     | CABLE ASS'Y, WINCH                        |
| 24       | 2          | 0301742     | LIGHT ASSEMBLY, AMBER                     |
| 25       | 8          | 0300132     | WIRE TIE                                  |
| 26       | 2          | 0500235     | DECAL, ARROW                              |
| 27       | 2          | 0302180     | BEARING PAD                               |
| 28       | 1          | 0708913     | ANTI TILT PLATE                           |
| 29       | 2          | 0802660     | FRONT REMOVABLE SIDE RAIL (19' CARRIER)   |
| 30       | 2          | 0802661     | CENTER REMOVABLE SIDE RAIL                |
| 31       | 2          | 0802662     | REAR REMOVABLE SIDE RAIL                  |
| 32       | 2          | 0709870     | CAB PROTECTOR REINFORCEMENT PLATE         |
| 33       | 2          | 0400181     | SCREW, 1/2" - 13 x 1-1/2" LG. HEX HD. CAP |
| 34       | 4          | 0400237     | SCREW, 1/2" - 13 x 4" LG. HEX HD. CAP     |
| 35       | 2          | 0805038     | FRONT REMOVABLE SIDE RAIL (21' CARRIER)   |



# SECTION I - PARTS STEEL BED ASSEMBLY

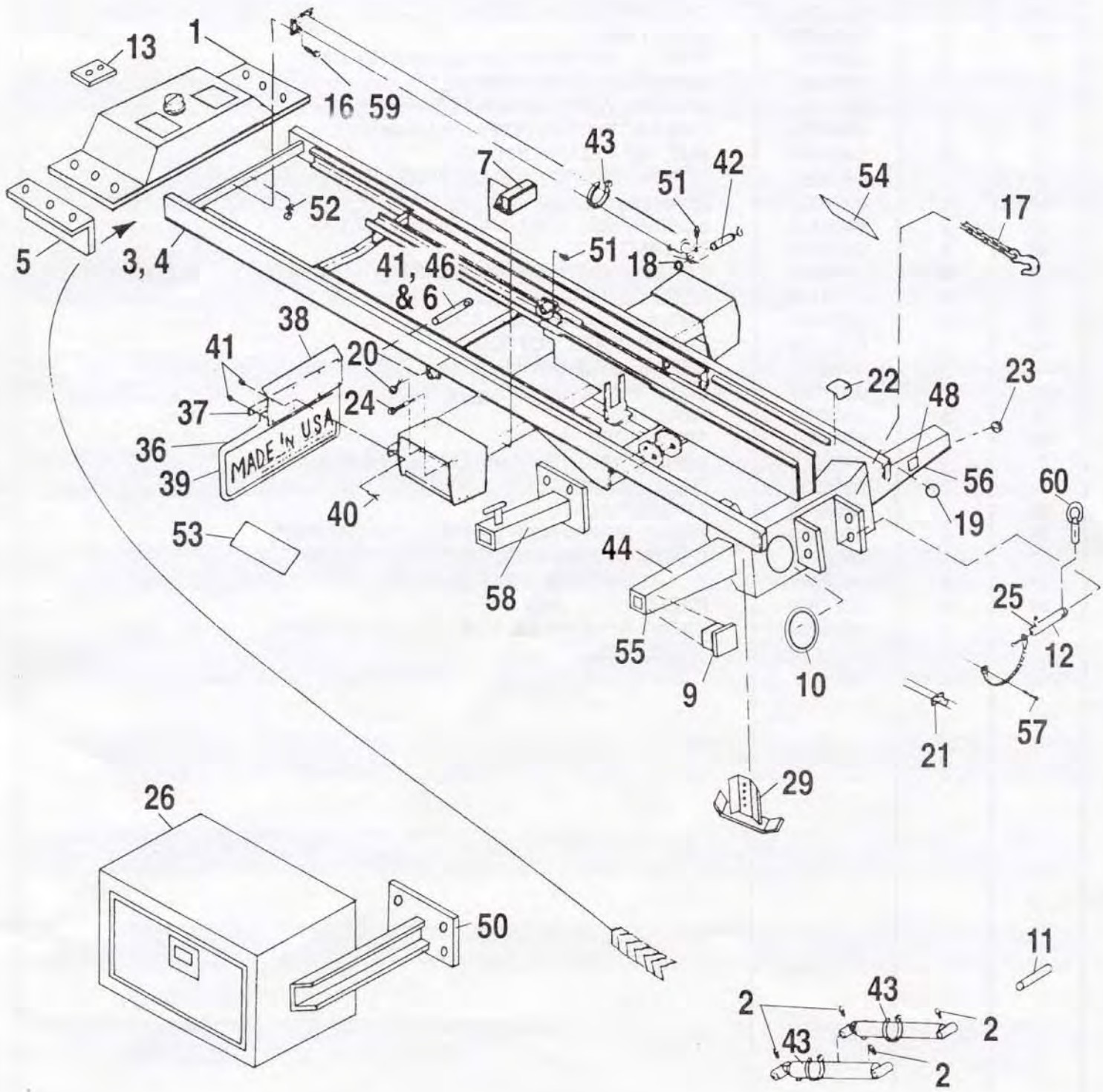


# SECTION 1 - PARTS STEEL BED ASSEMBLY

| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                                |
|----------|------------|-------------|--|
| 1        | 1          | 0805047     | CAR CARRIER 19' STEEL                      |
| 2        | 1          | 0805048     | CAR CARRIER 21' STEEL                      |
| 3        | 1          | 0300250     | WINCH ASS'Y.                               |
| 4        | 4          | 0400181     | SCREW, 1/2" - 13 x 1-1/2" LG. HEX HD. CAP  |
| 5        | 1          | 0801482     | WINCH MOUNTING BRACKET                     |
| 6        | 2          | 0701172     | SPACER, WINCH BRACKET                      |
| 7        | 1          | 0805020     | CAB PROTECTOR (SPECIFY HEIGHT)             |
| 8        | 14         | 0400408     | NUT, 1/2" - 13 NYLON LOCK                  |
| 9        | 8          | 0400088     | SCREW, 1/4" - 20 x 5/8" LG. BRASS          |
| 10       | 8          | 0302027     | BEARING PAD                                |
| 11       | 2          | 0400177     | SCREW, 1/2" - 13 x 1-1/4" LG. HEX HD. CAP  |
| 12       | 2          | 0302200     | BEARING PAD                                |
| 13       | 38         | 0400089     | SCREW, 1/4" - 20 x 1" LG. BRASS            |
| 14       | 2          | 0300134     | HOSE CLAMP                                 |
| 15       | 38         | 0400367     | NUT, 1/4" - 20 NYLON LOCK                  |
| 16       | 1          | 0705332     | COVER PLATE, BOTTOM                        |
| 17       | 13         | 0400077     | SCREW, SELF-DRILLING                       |
| 20       | 2          | 0301887     | LIGHT ASS'Y, AMBER                         |
| 21       | 8          | 0300132     | WIRE TIE                                   |
| 22       | 1          | 0705331     | TRAY, HOSE                                 |
| 23       | 4          | 0400211     | SCREW, 1/2" - 13 x 1-3/4" LG. HEX HEAD CAP |
| 24       | 2          | 0500235     | DECAL, ARROW                               |
| 25       | 1          | 0708913     | ANTI TILT PLATE                            |
| 26       | 2          | 0802660     | FRONT REMOVABLE SIDE RAIL (19' CARRIER)    |
| 27       | 2          | 0802661     | CENTER REMOVABLE SIDE RAIL                 |
| 28       | 2          | 0802662     | REAR REMOVABLE SIDE RAIL                   |
| 29       | 1          | 0301669     | CABLE ASS'Y, WINCH                         |
| 30       | 2          | 0805039     | FRONT REMOVABLE SIDE RAIL (21' CARRIER)    |



# SECTION I - PARTS TILT FRAME ASSEMBLY





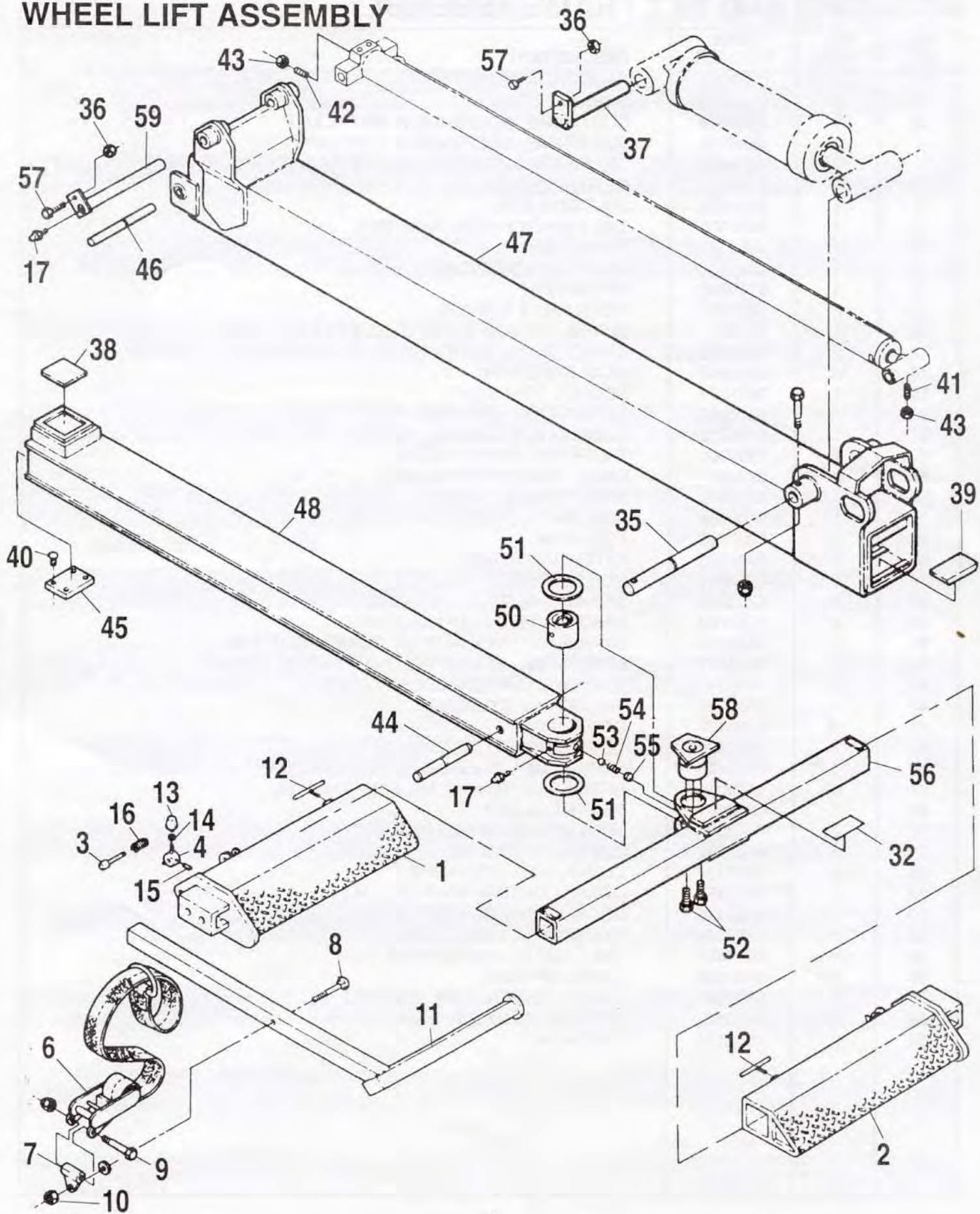
# SECTION I - PARTS

## MOUNTING AND TILT FRAME ASSEMBLY

| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                                      |
|----------|------------|-------------|--|
| 1        | 1          | 0802669     | RESERVIOR ASS'Y                                  |
| 2        | 4          | 0300113     | GREASE FITTING                                   |
| 3        | 1          | 0805019     | SUB FRAME, INDEPENDENT WHEEL LIFT                |
| 4        | 1          | 0805035     | SUB FRAME, INDEPENDENT TOW BAR                   |
| 5        | 2          | 0802668     | OIL TANK MOUNTING BRACKETS (SPECIFY FRAME WIDTH) |
| 6        | 1          | 0704792     | REAR HINGE PIN                                   |
| 7        | 1          | 0301800     | JUNCTION BOX                                     |
| 9        | 2          | 0302986     | TAIL LIGHT (CHASSIS TAKE OFF)                    |
| 10       | 2          | 0304147     | WORK LIGHT                                       |
| 11       | 4          | 0702434     | SHAFT, LIFT CYLINDER                             |
| 12       | 1          | 0709867     | PIN, SAFETY                                      |
| 13       | 2          | 0302983     | WEAR PAD & SCREWS                                |
| 16       | 20         | 0400211     | SCREW 1/2" - 13 x 1-3/4" LG. PL. HEX HEAD CAP    |
| 17       | 2          | 0301932     | SAFETY CHAIN W / HOOKS 10' LG.                   |
| 18       | 10         | 0301642     | SNAP RING, 1-1/4"                                |
| 19       | 1          | 0301671     | SOCKET, TOW LIGHT                                |
| 20       | 2          | 0300867     | ILLUMINATOR, CONTROL PANEL                       |
| 21       | 1          | 0300273     | ILLUMINATOR, LICENSE PLATE                       |
| 22       | 2          | 0301958     | SKUFF PAD, SAFETY CHAIN                          |
| 23       | 2          | 0302987     | LIGHT, SEALED RED MARKER                         |
| 24       | 1          | 0300686     | THROTTLE (25 ft.) ASS'Y                          |
| 25       | 1          | 0400564     | ROLL PIN   |
| 26       | 1          | 0302988     | TOOL BOX   |
| 29       | 2          | 0802666     | EXTENSION STAND                                  |
| 36       | 2          | 0306001     | MUD FLAP   |
| 37       | 2          | 0705092     | BAR, MUD FLAP                                    |
| 38       | 2          | 0704793     | BRACKET, MUD FLAP MOUNTING                       |
| 39       | 9          | 0400122     | SCREW, 3/8" - 16 x 1-1/4" LG. PL. HEX HEAD CAP   |
| 40       | 4          | 0400121     | SCREW, 3/8" - 16 x 3/4" LG. PL. HEX HEAD CAP     |
| 41       | 20         | 0400392     | NUT, 3/8" - 16 NYLON LOCK                        |
| 42       | 1          | 0703960     | PIN, EXTEND CYLINDER                             |
| 43       | 18         | 0300132     | CABLE TIE  |
| 44       | 8          | 0301601     | CLAMP, INSULATED WIRE                            |
| 46       | 1          | 0400150     | SCREW, 3/8" - 16 x 2-1/2" PL. HEX HEAD CAP       |
| 47       | 12         | 0400045     | SCREW, #10 - 32 x 1/2" LG. SELF-TAPPING          |
| 48       | 1          | 0303061     | BACK UP ALARM                                    |
| 50       | 2          | 0802667     | TOOL BOX MOUNTING BRACKET                        |
| 51       | 3          | 0301397     | GREASE FITTING, 90°                              |
| 52       | 4          | 0300134     | CLAMP, INSULATED WIRE                            |
| 53       | 1          | 0500425     | DECAL, CONTROL STATION (L.H.)                    |
| 54       | 1          | 0500428     | DECAL, CONTROL STATION (R.H.)                    |
| 55       | 1          | 0802664     | TAIL LAMP HOUSING, LEFT                          |
| 56       | 1          | 0802665     | TAIL LAMP HOUSING, RIGHT                         |
| 57       | 1          | 0700584     | CHAIN, 12" SASH                                  |
| 58       | 2          | 0802663     | L-ARM STORAGE TUBE BRACKET                       |
| 59       | 20         | 0400408     | NUT, 1/2" - 13 NYLON LOCK                        |
| 60       | 1          | 0302474     | LYNCH PIN  |



# SECTION I - PARTS WHEEL LIFT ASSEMBLY





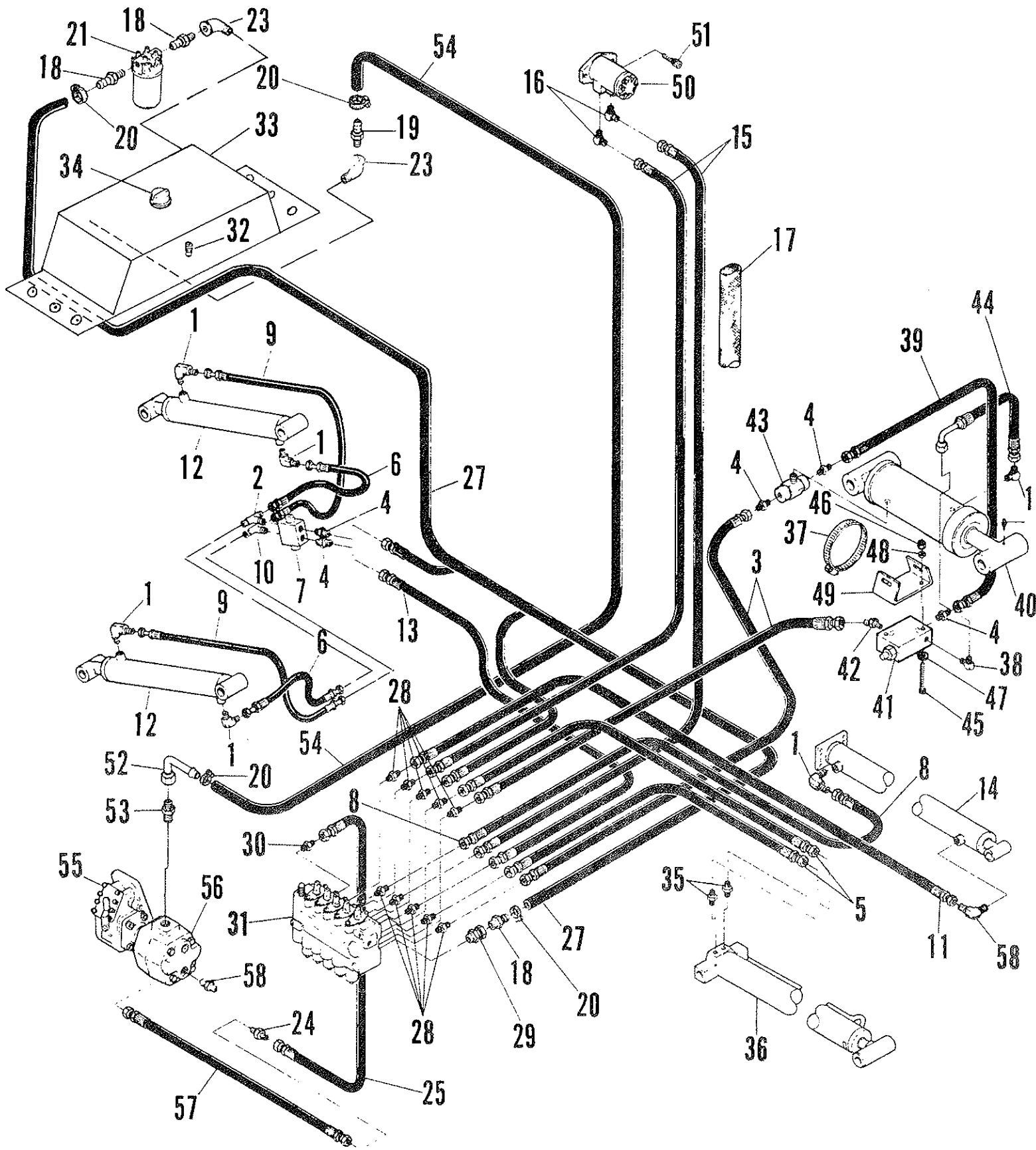
# SECTION 1 - OPTIONAL EQUIPMENT

## OUTER CROSS TUBE & SLIDE-IN TIRE RESTRAINT ASS'Y

| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                                       |
|----------|------------|-------------|---|
| 1        | 1          | 0800912     | CROSS TUBE, LEFT OUTER                            |
| 2        | 1          | 0800913     | CROSS TUBE, RIGHT OUTER                           |
| 3        | 2          | 0701916     | PIN, PLUNGER                                      |
| 4        | 1          | 0800837     | HANDLE, LEFT PLUNGER                              |
| 5        | 1          | 0800838     | HANDLE, RIGHT PLUNGER                             |
| 6        | 2          | 0301399     | RATCHET, TIE DOWN (INCLUDES SCREW & NUT)          |
| 7        | 2          | 0800583     | PIVOT, TIE DOWN                                   |
| 8        | 2          | 0400161     | BOLT, 3/8" - 16 x 2-3/4" CARRIAGE GR. 5 PL        |
| 9        | 2          | 0400480     | WASHER, 3/8" FLAT PL.                             |
| 10       | 2          | 0400390     | NUT, 3/8" - 16 JAM LOCK HEX PL.                   |
| 11       | 2          | 0800897     | RESTRAINT, TIRE                                   |
| 12       | 2          | 0800590     | HANDLE, TEE                                       |
| 13       | 2          | 0300341     | KNOB  |
| 14       | 2          | 0400393     | NUT, 3/8" - 16 JAM                                |
| 15       | 2          | 0400560     | PIN, 5/32" x 1" LG. ROLL                          |
| 16       | 2          | 0301416     | SPRING, PLUNGER                                   |
| 17       | 3          | 0300113     | FITTING, GREASE                                   |
| 18       | 2          | 0400068     | SCREW, 1/4" - 20 x 5/16" LG. SOCKET SET           |
| 19       | 2          | 0901203     | HOOK LATCH ASS'Y (INCLUDES ITEMS 16-21)           |
| 20       | 2          | 0704994     | LATCH, CHAIN HOOK                                 |
| 21       | 2          | 0400576     | RIVET, POP  |
| 22       | 2          | 0400519     | WASHER, FLAT                                      |
| 23       | 2          | 0302155     | SPRING, CHAIN HOOK LATCH                          |
| 24       | 2          | 0400036     | SCREW, #10 - 32 x 1" LG. RD HD. SLOTTED MACH. PL. |
| 25       | 2          | 0400357     | NUT, #10 - 32 NYLON LOCK PL.                      |
| 26       | 2          | 0801472     | RESTRAINT, TIRE                                   |
| 27       | 2          | 0800583     | PIVOT, TIE DOWN                                   |
| 28       | 2          | 0400480     | WASHER, 3/8" FLAT PL.                             |
| 29       | 2          | 0400390     | NUT, 3/8" - 16 ESLOK JAM                          |
| 30       | 2          | 0400161     | BOLT, 3/8" - 16 x 2-3/4" LG. GR. 8 PL. CARRIAGE   |
| 31       | 2          | 0301399     | STRAP, TIE DOWN W / RATCHET                       |
| 32       | 3          | 0500241     | DECAL, SAFETY CHAIN WARNING                       |
| 33       | 2          | 0500397     | DECAL, SNAP (LATCH WARNING)                       |
| 34       | 2          | 0800590     | TEE HANDLE  |
| 35       | 1          | 0705238     | PIN, PIVOT  |
| 36       | 3          | 0400392     | NUT, 3/8" - 16 NYLON LOCK                         |
| 37       | 1          | 0801012     | SHAFT, LIFT CYL                                   |
| 38       | 1          | 0301850     | BEARING PAD, 1/4" x 3" x 3" NYLON                 |
| 39       | 1          | 0302183     | BEARING PAD, 3/8"                                 |
| 40       | 4          | 0400044     | SCREW, #10 x 1/2" DRIVE                           |
| 41       | 1          | 0400129     | SCREW, 3/8" - 16 x 3/4" LG. CUP POINT ALLEN HEAD  |
| 42       | 1          | 0400139     | SCREW, 3/8" - 16 x 1-1/2" LG. HEX SOCKET          |
| 43       | 2          | 0400392     | NUT, 3/8" - 16 NYLON LOCK                         |
| 44       | 1          | 0702131     | SHAFT, INNER TUBE CYLINDER                        |
| 45       | 1          | 0703277     | SLIDER, PAD                                       |
| 46       | 1          | 0703345     | SHAFT, EXTEND CYLINDER                            |
| 47       | 1          | 0801556     | OUTER BOOM  |
| 48       | 1          | 0801568     | INNER BOOM  |
| 49       | 2          | 0301956     | STRAP, RUBBER                                     |
| 50       | 1          | 0301914     | BEARING, INNER BOOM                               |
| 51       | 2          | 0703640     | WASHER, THRUST                                    |
| 52       | 2          | 0701956     | SCREW, 1/2" - 13 x 1" LG. HEX HD CAP GR.5         |
| 53       | 1          | 0301398     | BALL, DETENT                                      |
| 54       | 1          | 0301197     | SPRING, DETENT                                    |
| 55       | 1          | 0702546     | SPACER  |
| 56       | 1          | 0801074     | CROSS TUBE, INNER WELDMENT                        |
| 57       | 1          | 0400141     | SCREW, 3/8" - 16 x 7/8" LG. HEX HD CAP GR.5 PL.   |
| 58       | 1          | 0801073     | PIN, CROSS TUBE PIVOT                             |
| 59       | 1          | 0801009     | SHAFT, PIN ASS'Y, UPPER BOOM                      |



# SECTION I - PARTS HYDRAULICS



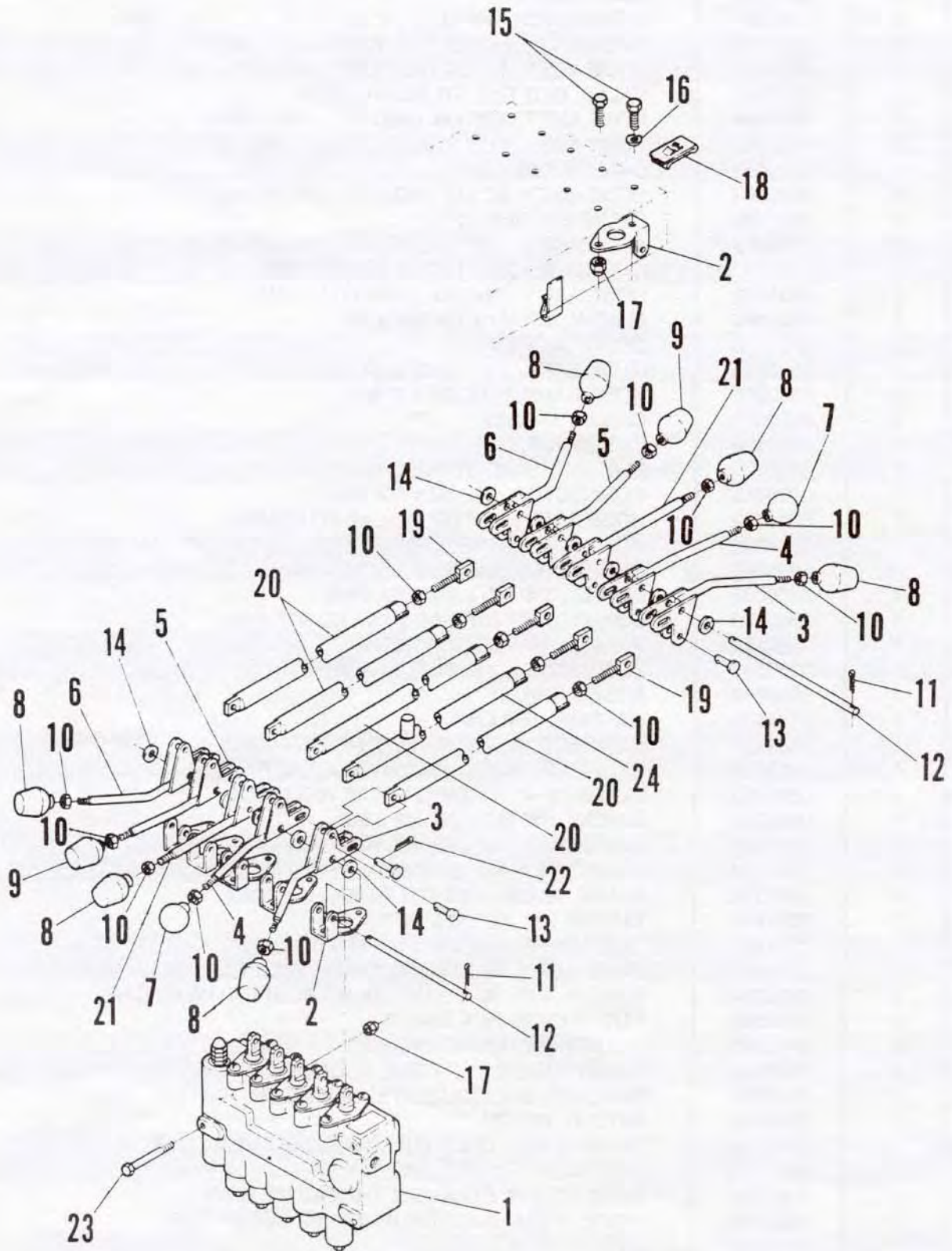


# SECTION I - PARTS (HYDRAULICS)

| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION   |
|----------|------------|-------------|---|
| 1        | 6          | 0300142     | ELBOW, 1/2" MJ x 1/4" MP x 90°                      |
| 2        | 2          | 0300208     | TEE, 3/8" MJ x 3/8" MJ x 1/4" MP                    |
| 3        | 2          | 0301403     | HOSE, ASS'Y   |
| 4        | 5          | 0301424     | CONNECTOR, 3/8" MJ x 1/4" MP                        |
| 5        | 2          | 0301478     | HOSE ASS'Y, 54" LG. (W/L EXTEND CYLINDER)           |
| 6        | 2          | 0301524     | HOSE ASS'Y, 14" LG. (BED LIFT CYLINDER)             |
| 7        | 1          | 0301640     | VALVE, BED TILT CYLINDER LOCK                       |
| 8        | 1          | 0301658     | HOSE ASS'Y, 128" LG. (BED EXT. CYLINDER)            |
| 9        | 2          | 0301660     | HOSE ASS'Y, 21" LG. (BED LIFT CYLINDER)             |
| 10       | 1          | 0301694     | ORIFICE TEE   |
| 11       | 1          | 0301769     | HOSE ASS'Y, 52" LG. (BED EXT. CYLINDER)             |
| 12       | 2          | 0301796     | CYLINDER, BED LIFT                                  |
| 13       | 2          | 0301878     | HOSE ASS'Y, 137" LG. (BED LIFT LOCK VALVE)          |
| 14       | 1          | 0301970     | CYLINDER, 108" STROKE BED EXTEND                    |
| 15       | 2          | 0301663     | HOSE ASS'Y, 204" LG. (WINCH MOTOR)                  |
| 16       | 2          | 0301665     | ELBOW, 3/8" MJ x 1/2" MP x 90°                      |
| 17       | 1          | 0705296     | SKUFF JACKET  |
| 18       | 3          | 0300055     | HOSE BARB, 3/4" HOSE x 3/4" MP                      |
| 19       | 1          | 0300056     | HOSE BARB, 1" HOSE x 1" MP                          |
| 20       | 4          | 0300071     | CLAMP, 1" HOSE                                      |
| 21       | 1          | 0300136     | FILTER ASS'Y  |
| 23       | 2          | 0300692     | ELBOW, 1" x 90° STREET                              |
| 24       | 1          | 0300865     | CONNECTOR, 1/2" MJ x 1/2" MB                        |
| 25       | 1          | 0301659     | HOSE ASS'Y, 150" LG. (VALVE TO PUMP)                |
| 27       | 1          | 0704802     | HOSE, 192" LG. RETURN (FILTER TO CONTROL VALVE)     |
| 28       | 10         | 0300044     | CONNECTOR, 3/8" MJ x 1/2" MB                        |
| 29       | 1          | 0300065     | SWIVEL, 3/4" MB x 3/4" FPX PIPE                     |
| 30       | 1          | 0300789     | CONNECTOR, 5/8" SAE x 1/2" JIC STRAIGHT             |
| 31       | 1          | 0302179     | VALVE, 5 SPOOL CONTROL                              |
| 32       | 1          | 0300347     | PLUG, 1/2" SQ. HD BLACK                             |
| 33       | 1          | 0802669     | RESERVOIR   |
| 34       | 1          | 0709871     | OIL TANK TOP CAP                                    |
| 35       | 2          | 0301522     | CONNECTOR, 3/8" MJ x 3/8" MB STRAIGHT               |
| 36       | 1          | 0302178     | CYLINDER, WHEEL LIFT HYDRAULIC EXTEND               |
| 37       | 1          | 0300133     | CLAMP, 3"-4" HOLDING VALVE RETAINER                 |
| 38       | 1          | 0300209     | ELBOW, 3/8" MJ x 3/8" MP x 90°                      |
| 39       | 1          | 0301473     | HOSE ASS'Y, 18" LG. (W/L HOLDING VALVE TO TEE)      |
| 40       | 1          | 0301484     | CYLINDER, 8-1/4" STROKE WHEEL LIFT TILT             |
| 41       | 1          | 0301731     | VALVE, WHEEL LIFT CYLINDER HOLDING                  |
| 42       | 1          | 0301848     | ELBOW, 3/8" JIC c 3/8" NPT x 45°                    |
| 43       | 1          | 0301868     | TEE, 1/4" FP x 1/4" FP x 1/4" MALE RUN              |
| 44       | 1          | 0301900     | HOSE ASS'Y, 18" LG. (W/L CYL. to W/L HOLDING VALVE) |
| 45       | 2          | 0400064     | SCREW, 1/4" - 20 x 2-1/4" LG. RD SLOTTED HEAD CAP   |
| 46       | 2          | 0400366     | NUT, 1/4" - 20 HEX ZINC PL                          |
| 47       | 2          | 0400451     | FLATWASHER, 1/4" ZINC PL                            |
| 48       | 2          | 0400452     | LOCKWASHER, 1/4" HELICAL ZINC PL                    |
| 49       | 1          | 0703001     | BRACKET, W/L HOLDING VALVE MOUNTING                 |
| 50       | 1          | 0300090     | MOTOR, WINCH  |
| 51       | 2          | 0400196     | SCREW, 1/2" - 13 x 1-1/4" LG. SOCKET HEAD CAP       |
| 52       | 1          | 0302170     | SWIVEL, 90° BENT TUBE                               |
| 53       | 1          | 0301780     | CONNECTOR, STRAIGHT THREAD "O" RING                 |
| 54       | 1          | 0300058     | HOSE, 1" DIA. SUCTION (PUMP TO RESERVOIR)           |
| 55       | 1          | 0302037     | PTO   |
| 56       | 1          | 0302166     | PUMP, HIGH PRESSURE HYDRAULIC                       |
| 57       | 1          | 0300165     | HOSE ASS'Y, 91" LG. HI-PRESSURE                     |
| 58       | 1          | 0302160     | ELBOW, 6 MJ - 4 MP 90 L                             |



# SECTION I - PARTS CONTROL & CROSSROD ASSEMBLY



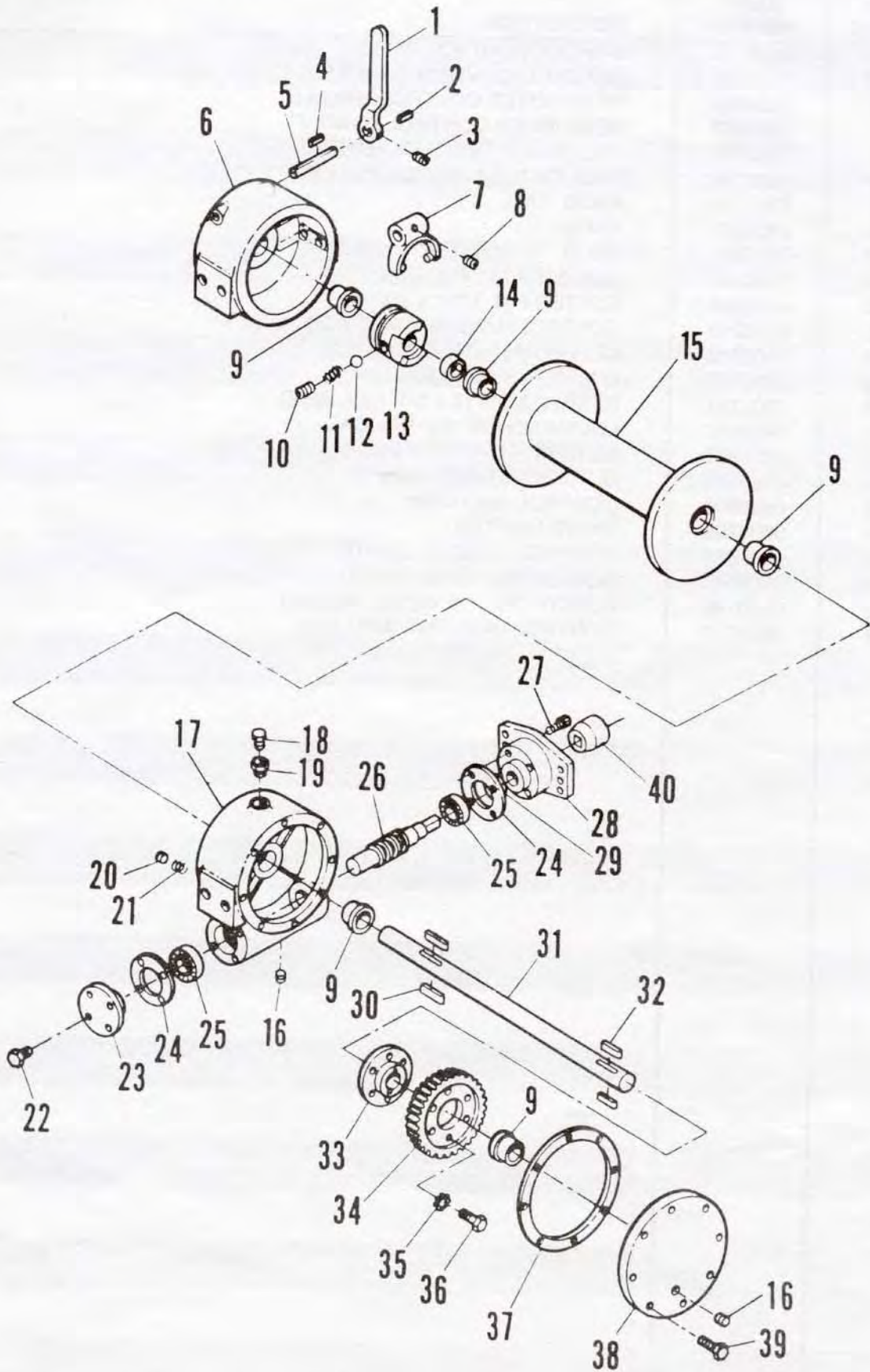


# SECTION 1 - PARTS CONTROL & CROSSROD ASSEMBLY

| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                       |
|----------|------------|-------------|-----------------------------------|
| 1        | 1          | 0302179     | 5-SPOOL CONTROL VALVE             |
| 2        | 10         | 0301638     | BRACKET, CONTROL HANDLE           |
| 3        | 2          | 0800798     | REAR OUTER CONTROL HANDLE         |
| 4        | 2          | 0800797     | REAR INNER CONTROL HANDLE         |
| 5        | 2          | 0800795     | FWD, INNER CONTROL HANDLE         |
| 6        | 2          | 0800796     | FWD, OUTER CONTROL HANDLE         |
| 7        | 2          | 0301720     | KNOB, BALL                        |
| 8        | 6          | 0300341     | KNOB                              |
| 9        | 2          | 0300834     | KNOB, "IN-OUT" RED (CABLE)        |
| 10       | 10         | 0400393     | NUT, 3/8" - 16 JAM                |
| 11       | 4          | 0400541     | COTTER PIN, 1/16" x 3/4" LG.      |
| 12       | 2          | 0705242     | CONTROL HANDLE PIVOT ROD          |
| 13       | 15         | 0400532     | CLEVIS PIN, 5/16" DIA. x 1" LG.   |
| 14       | 10         | 0400465     | WASHER, 5/16" FLAT                |
| 15       | 10         | 0400121     | SCREW, 3/8" - 16 x 3/4" HEX HEAD  |
| 16       | 5          | 0400482     | LOCKWASHER, 3/8" HELICAL          |
| 17       | 8          | 0400392     | NUT, 3/8" - 16 NYLON LOCK         |
| 18       | 4          | 0400243     | NUT, 3/8" - TINNEMAN "J"          |
| 19       | 5          | 0800800     | CONTROL ROD LINK                  |
| 20       | 4          | 0800799     | VALVE SHIFTER                     |
| 21       | 2          | 0801566     | CONTROL HANDLE, CENTER            |
| 22       | 10         | 0400543     | COTTER PIN, 1/8" x 3/4" LG.       |
| 23       | 3          | 0400140     | SCREW, 3/8" - 16 x 4" LG. HEX HD. |
| 24       | 1          | 0805036     | CONTROL ROD LINK, ANTI TILT       |



# SECTION I - PARTS HYDRAULIC WINCH



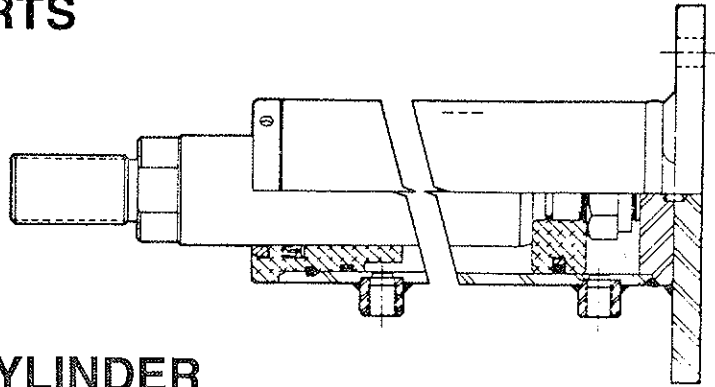


# SECTION 1 - PARTS HYDRAULIC WINCH

| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                                 |
|----------|------------|-------------|---|
| 1        | 1          | 0300261     | LEVER                                       |
| 2        | 1          | 0300448     | KEY   |
| 3        | 1          | 0300449     | SCREW                                       |
| 4        | 1          | 0300450     | KEY   |
| 5        | 1          | 0300451     | SHAFT                                       |
| 6        | 1          | 0300452     | CLUTCH HOUSING                              |
| 7        | 1          | 0300398     | YOKE  |
| 8        | 1          | 0300399     | SCREW                                       |
| 9        | 5          | 0300453     | BUSHING                                     |
| 10       | 1          | 0300454     | SCREW                                       |
| 11       | 1          | 0300455     | SPRING                                      |
| 12       | 1          | 0300456     | BALL  |
| 13       | 1          | —           | CLUTCH                                      |
| 14       | 1          | 0300458     | SPACER                                      |
| 15       | 1          | 0300381     | DRUM  |
| 16       | 2          | 0300459     | PLUG  |
| 17       | 1          | 0300460     | HOUSING                                     |
| 18       | 1          | 0300461     | PLUG  |
| 19       | 1          | 0300462     | REDUCER                                     |
| 20       | 1          | 0300463     | DRAG BRAKE                                  |
| 21       | 1          | 0300464     | SPRING                                      |
| 22       | 16         | 0300465     | SCREW                                       |
| 23       | 1          | 0300466     | CAP   |
| 24       | 2          | 0300447     | GASKET                                      |
| 25       | 2          | 0300467     | BEARING                                     |
| 26       | 1          | 0300468     | WORM  |
| 27       | 1          | 0300695     | SCREW                                       |
| 28       | 1          | 0300694     | CAP. ADAPTOR                                |
| 29       | 1          | 0300471     | SEAL  |
| 30*      | 2          | —           | KEY   |
| 31*      | 1          | —           | SHAFT                                       |
| 32*      | 2          | —           | KEY   |
| 33       | 1          | 0300472     | HUB   |
| 34       | 1          | 0300473     | GEAR  |
| 35       | 6          | 0300474     | WASHER                                      |
| 36       | 6          | 0300475     | SCREW                                       |
| 37       | 1          | 0300476     | GASKET                                      |
| 38       | 1          | 0300477     | COVER                                       |
| 39       | 4          | 0300569     | SCREW                                       |
| 40       | 1          | 0300290     | COUPLING                                    |
|          |            |             | *When ordering specify winch serial number. |

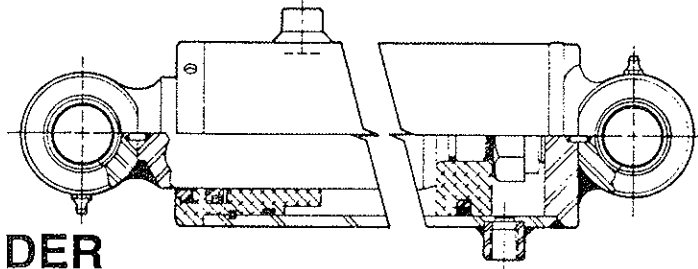


# SECTION I - PARTS CYLINDERS



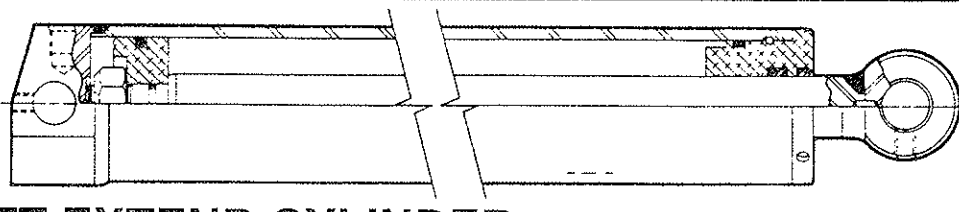
## BED EXTEND CYLINDER

| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                    |
|----------|------------|-------------|--------------------------------|
| 1        | 1          | 0301970     | BED EXTEND CYLINDER (COMPLETE) |
| 2        | —          | 0304219     | SEAL KIT                       |



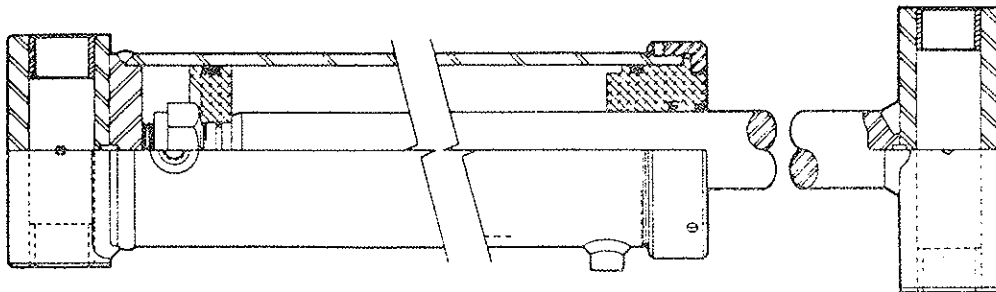
## BED TILT CYLINDER

| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                  |
|----------|------------|-------------|------------------------------|
| 1        | 2          | 0301796     | BED TILT CYLINDER (COMPLETE) |
| 2        | —          | 0304219     | SEAL KIT                     |



## WHEEL LIFT EXTEND CYLINDER

| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                           |
|----------|------------|-------------|---------------------------------------|
| 1        | 1          | 0302178     | HYDRAULIC CYLINDER, EXTEND (COMPLETE) |
| 2        | 1          | 0304086     | SEAL KIT, EXTEND CYLINDER             |



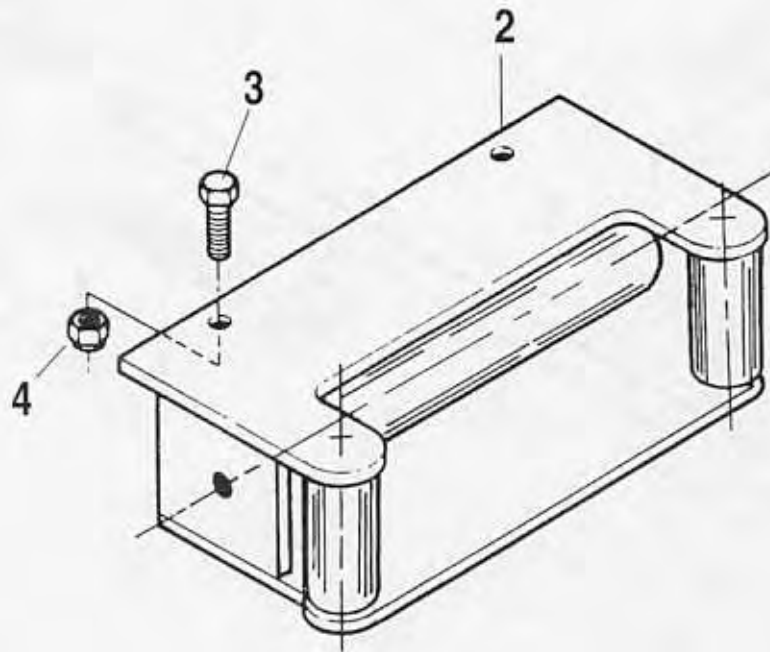
## WHEEL LIFT CYLINDER

| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                        |
|----------|------------|-------------|------------------------------------|
| 1        | 1          | 0301484     | HYDRAULIC CYLINDER LIFT (COMPLETE) |
| 2        | 1          | 0304181     | SEAL KIT, LIFT CYLINDER            |



# SECTION 1 - OPTIONAL EQUIPMENT

## CABLE ROLLER ASS'Y

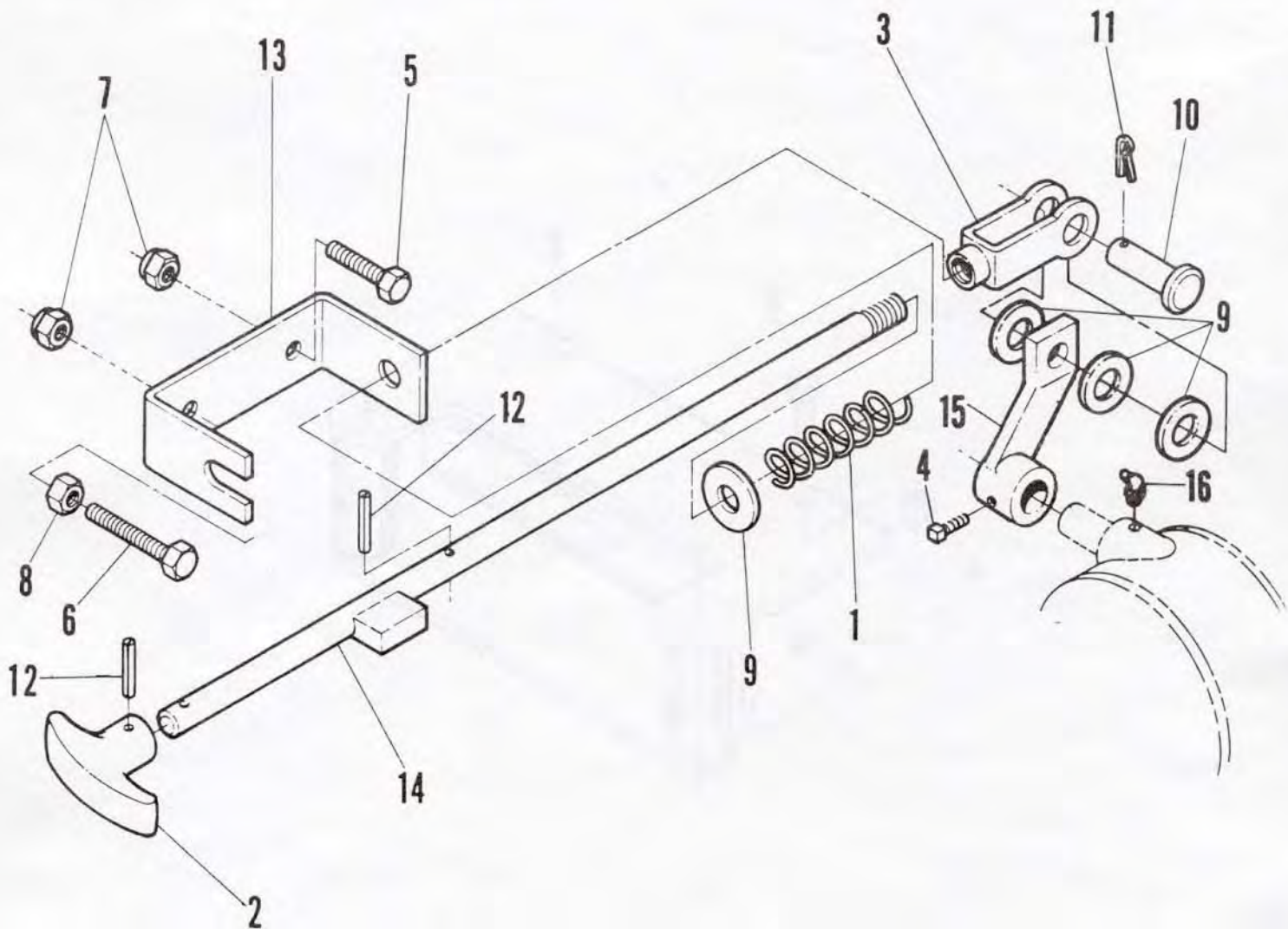


| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                        |
|----------|------------|-------------|------------------------------------|
| 1        | —          | 0900892     | CABLE ROLLER ASS'Y                 |
| 2        | 1          | 0805037     | CABLE ROLLER GUIDE WELDMENT        |
| 3        | 2          | 0400177     | SCREW, 1/2" - 13 x 1-1/4" HEX HEAD |
| 4        | 2          | 0400408     | NUT, 1/2" - 13 NYLON LOCK          |



# SECTION I - OPTIONAL EQUIPMENT

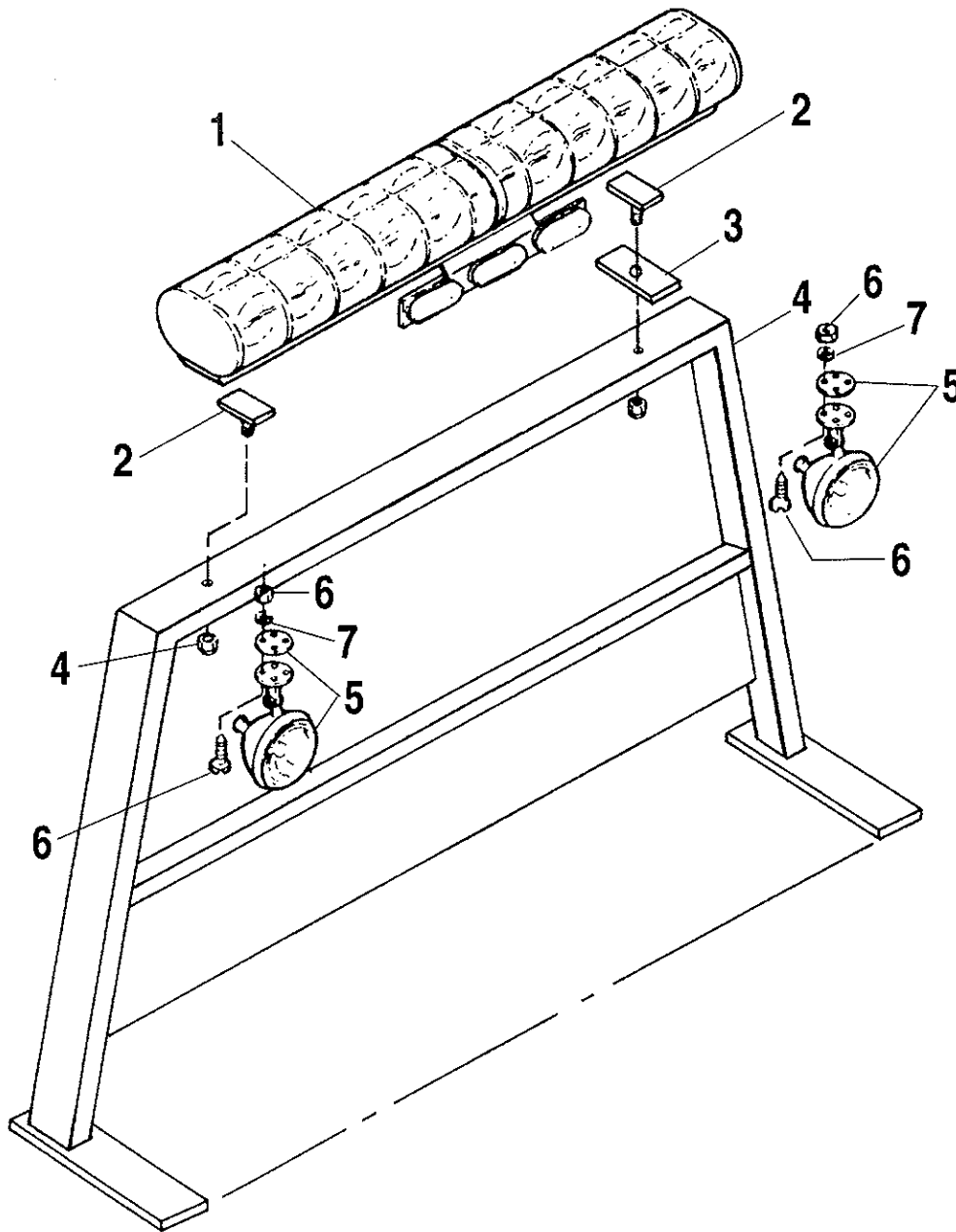
## WINCH CLUTCH CONTROL



| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                                |
|----------|------------|-------------|--|
| 1        | 1          | 0300845     | SPRING, COMPRESSION                        |
| 2        | 1          | 0301532     | "T" HANDLE                                 |
| 3        | 1          | 0301588     | ADJUSTING YOKE                             |
| 4        | 1          | 0400116     | SCREW, 5/16" - 18 x 1/2" LG. SQ. HD. SET   |
| 5        | 1          | 0400126     | SCREW, 3/8" - 16 x 1" LG. HEX. HD. CAP     |
| 6        | 1          | 0400150     | SCREW, 3/8" - 16 x 2/1/2" LG. HEX. HD. CAP |
| 7        | 2          | 0400392     | NUT, 3/8" - 16 NYLON LOCK                  |
| 8        | 1          | 0400393     | NUT, 3/8" - 16 JAM                         |
| 9        | 4          | 0400492     | WASHER, 1/2" FLAT                          |
| 10       | 1          | 0400537     | PIN, 1/2" DIA. x 1-1/2" LG. CLEVIS         |
| 11       | 1          | 0400546     | PIN, 1/8" x 1-1/4" LG. COTTER              |
| 12       | 2          | 0400560     | PIN, 5/32: x 1" LG. ROLL                   |
| 13       | 1          | 0702408     | MOUNTING CHANNEL                           |
| 14       | 1          | 0800780     | CONTROL ROD, SINGLE WINCH                  |
| 15       | 1          | 0801270     | WELDMENT, BELL CRANK                       |
| 16       | 1          | 0301397     | GREASE FITTING 90°                         |

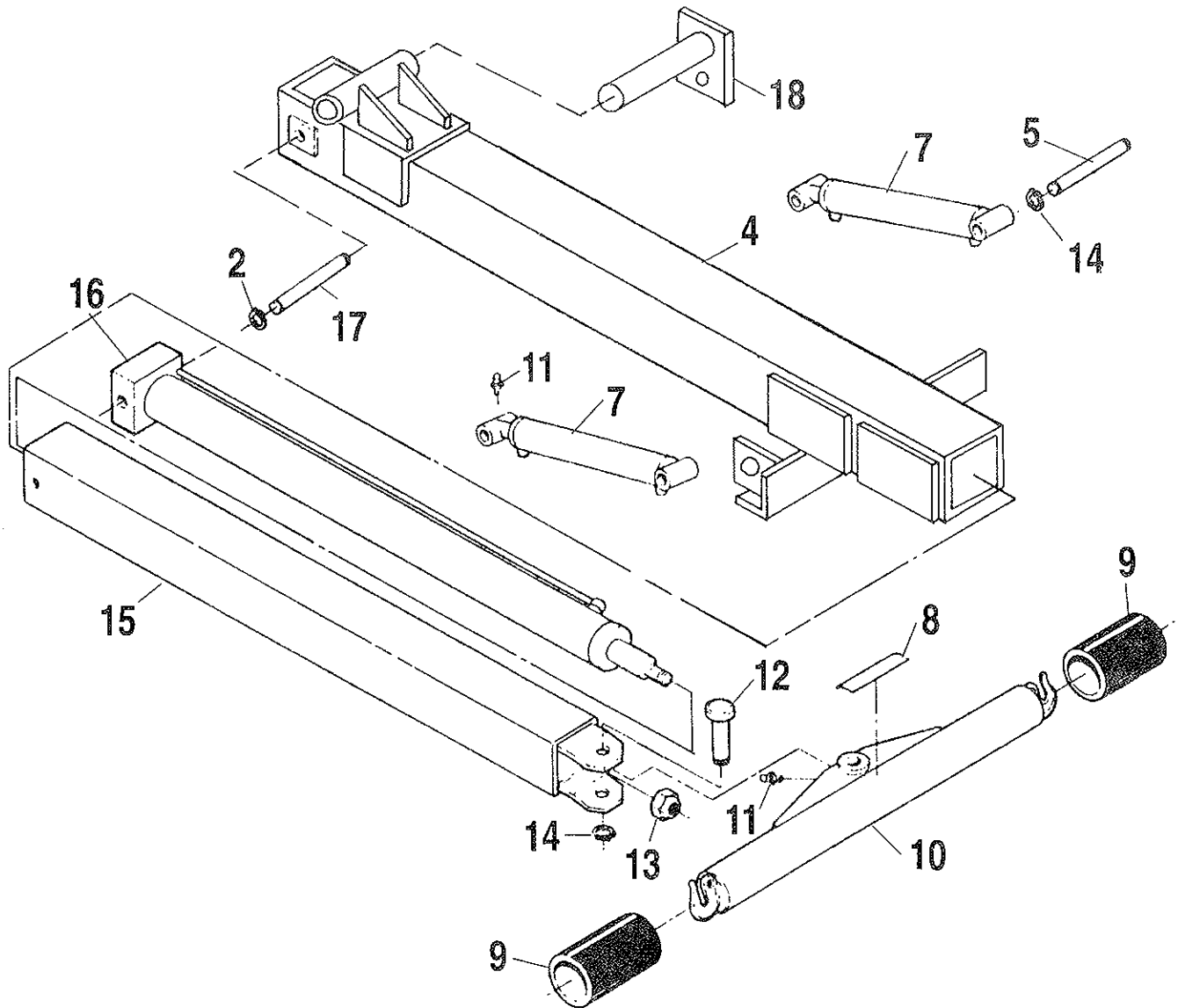


# SECTION I - OPTIONAL EQUIPMENT LIGHTING ACCESSORIES



| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                  |
|----------|------------|-------------|------------------------------|
| 1        | 1          | 0301359     | WRECKER SPECIAL LIGHT        |
| 2        | 2          | 0800539     | "T" BOLT ADAPTOR             |
| 3        | 2          | 0709872     | RUBBER CUSHION               |
| 4        | 2          | 0400392     | NUT, 3/8" - 16 NYLON LOCK    |
| 5        | 2          | 0300095     | SPOTLIGHT W/GASKET           |
| 6        | 8          | 0400043     | SCREW, #10 - 24 x 1" MACHINE |
| 6        | 8          | 0400356     | NUT, #10 NYLON LOCK          |
| 7        | 8          | 0400520     | WASHER, #10 LOCK             |

# SECTION I - OPTIONAL EQUIPMENT INDEPENDENT TOW BAR ASSEMBLY

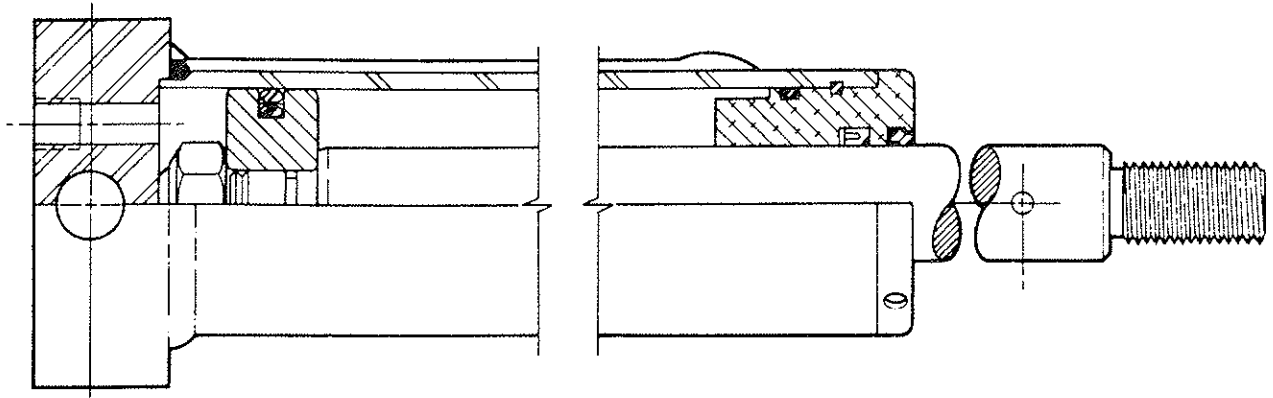


| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                           |
|----------|------------|-------------|---------------------------------------|
| 1        |            |             | TOW BAR ASSEMBLY (COMPLETE)           |
| 2        | 2          | 0301381     | SNAP RING, 3/4"                       |
| 4        | 1          | 0802670     | TUBE, TOW BAR OUTER                   |
| 5        | 2          | 0702434     | PIN, CYLINDER                         |
| 7        | 2          | 0302368     | CYLINDER, TOW BAR                     |
| 8        | 1          | 0500241     | DECAL, SAFETY CHAIN WARNING           |
| 9        | 2          | 0301723     | GUARD, TOW BAR BUMPER                 |
| 10       | 1          | 0800898     | CROSSTUBE, TOW BAR                    |
| 11       | 3          | 0300113     | GREASE FITTING                        |
| 12       | 1          | 0301424     | PIN, CONNECTOR                        |
| 13       | 1          | 0400436     | NUT                                   |
| 14       | 4          | 0301642     | SNAP RING, 1-1/4"                     |
| 15       | 1          | 0800777     | TUBE, TOW BAR INNER                   |
| 16       | 1          | 0301632     | CYLINDER, TOW BAR EXTEND              |
| 17       | 1          | 0702418     | SHAFT, EXTEND CYLINDER                |
| 18       | 1          | 0805030     | SHAFT, TOW BAR PIVOT, PIN WITH KEEPER |



# SECTION I - OPTIONAL EQUIPMENT

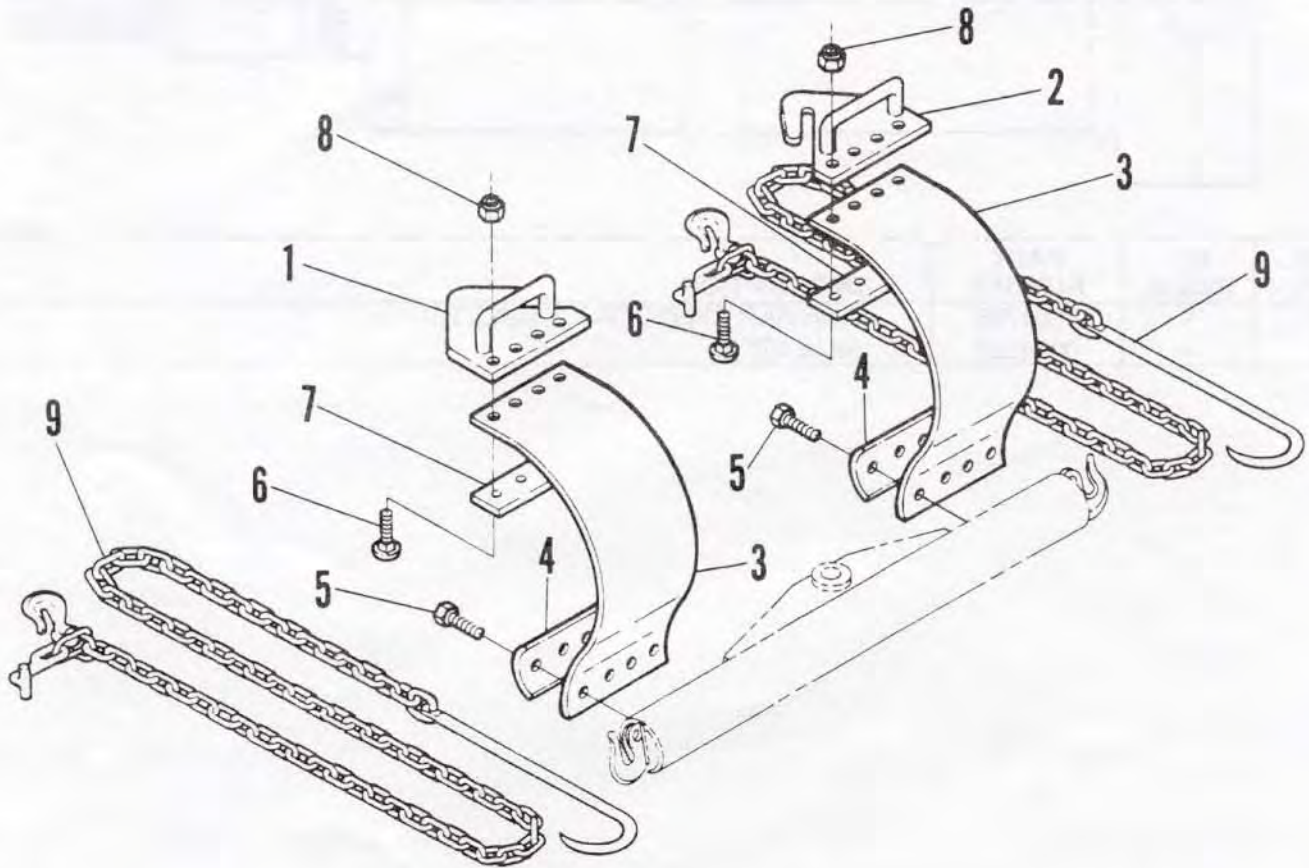
## HYDRAULIC CYLINDER (TOW BAR)



| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                 |
|----------|------------|-------------|-----------------------------|
| 1        | 1          | 0301798     | TOW BAR CYLINDER (COMPLETE) |
| 2        | —          | 0304220     | SEAL KIT                    |

# SECTION I - OPTIONAL EQUIPMENT

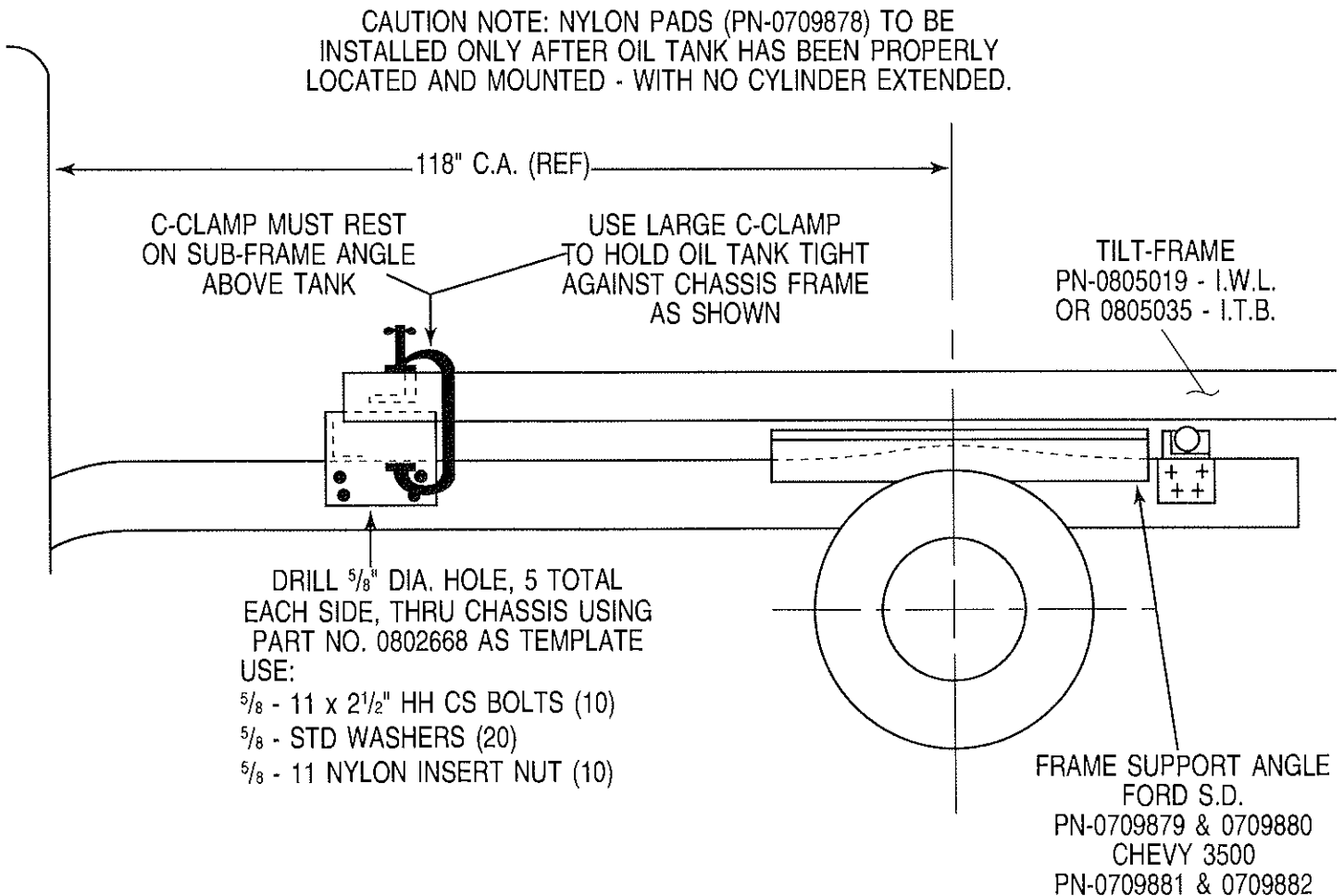
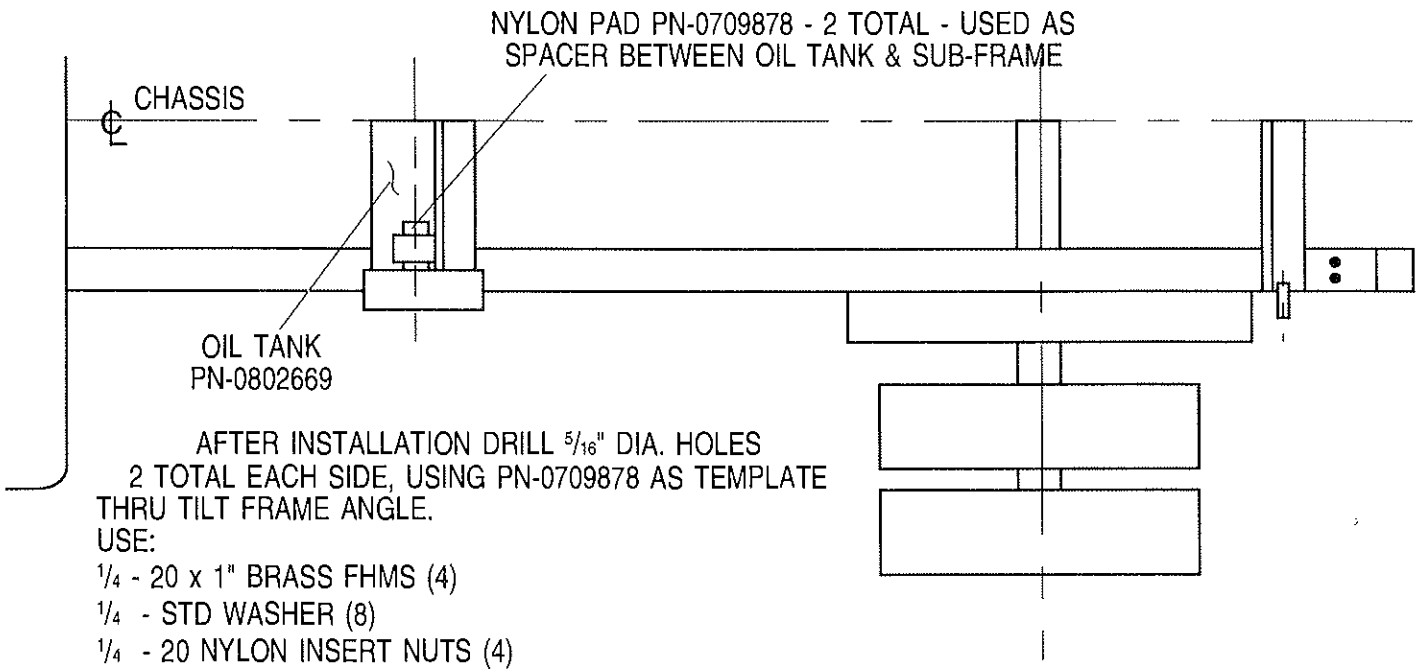
## TOWING SLING



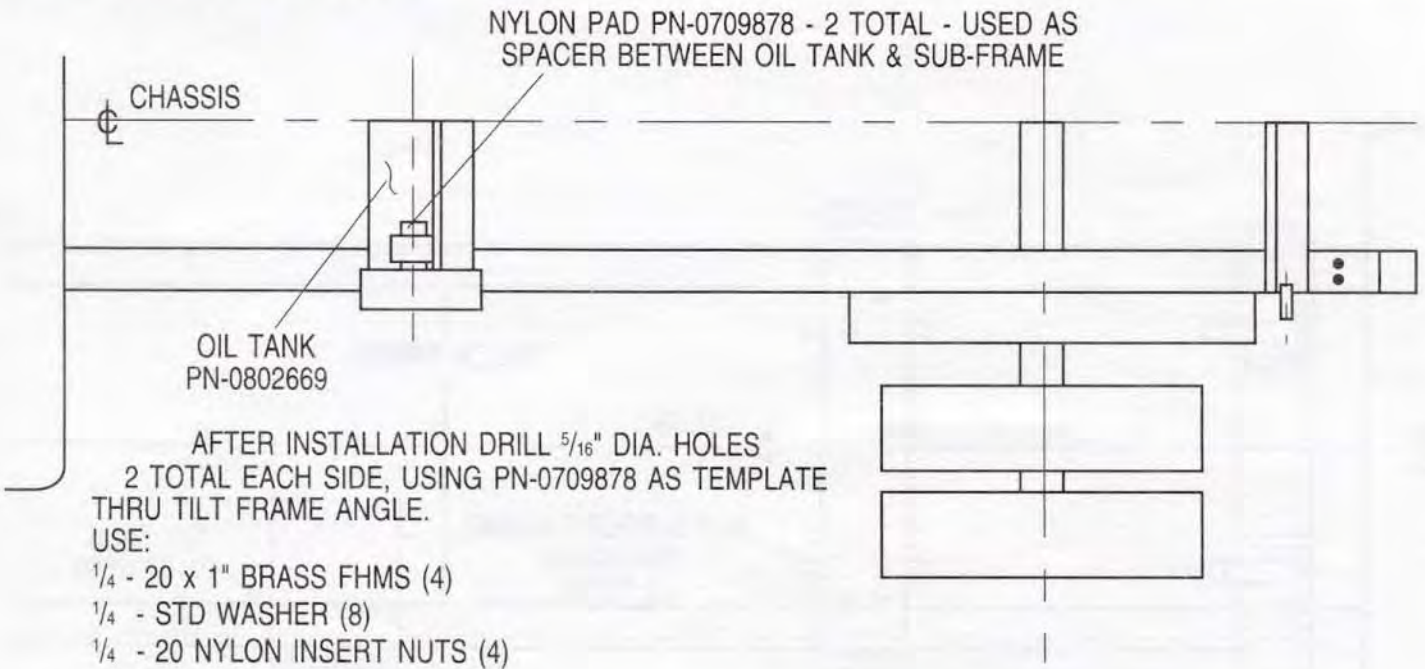
| REF. NO. | NO. REQ'D. | PART NUMBER | DESCRIPTION                                 |
|----------|------------|-------------|---|
| 1        | 1          | 0800608     | CHAIN KEEPER, LEFT                          |
| 2        | 1          | 0800609     | CHAIN KEEPER, RIGHT                         |
| 3        | 2          | 0701919     | TOW SLING BELT                              |
| 4        | 2          | 0800873     | BELT RETAINER                               |
| 5        | 8          | 0400105     | SCREW, 5/16" - 18 x 1-1/4" LG. SELF-TAPPING |
| 6        | 8          | 0400156     | CARRIAGE BOLT, 3/8" - 16 x 1-1/4" LG.       |
| 7        | 2          | 0701920     | GRIP PLATE                                  |
| 8        | 8          | 0400392     | NUT, 3/8" - 16 NYLON LOCK                   |
| 9        | 2          | 0300176     | "J" HOOK ASSEMBLY                           |



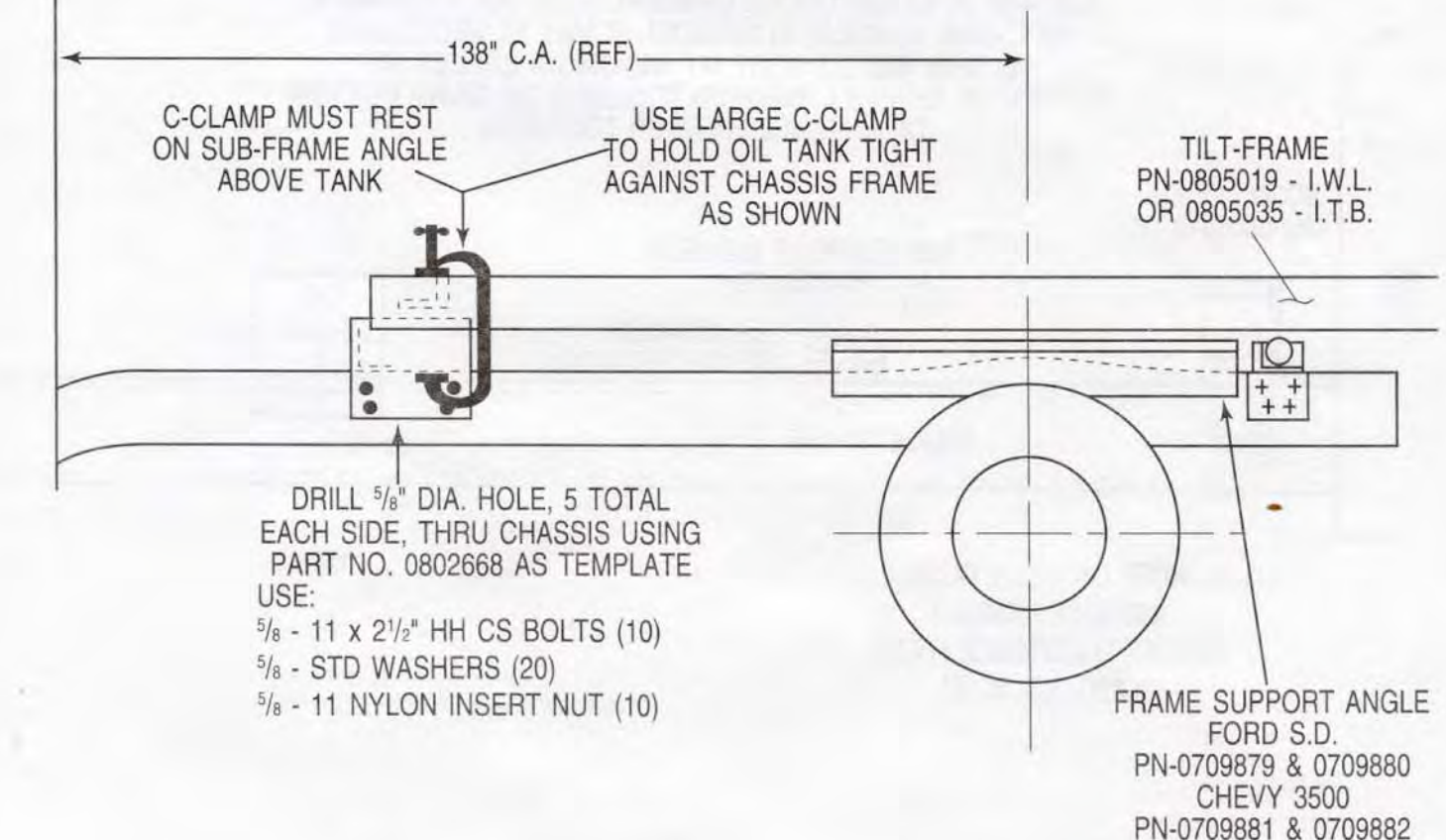
# SECTION II - 19' CARRIER OIL TANK INSTALLATION



# SECTION II - 21' CARRIER OIL TANK INSTALLATION

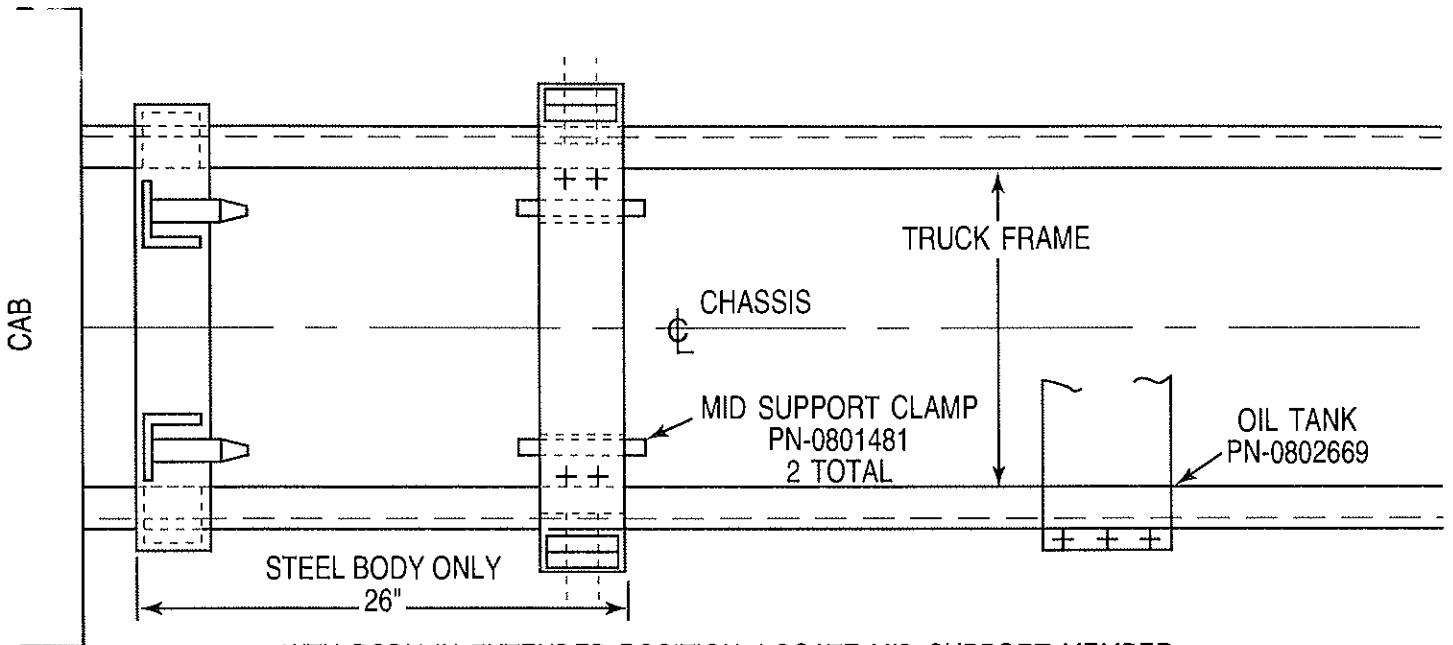


CAUTION NOTE: NYLON PADS (PN-0709878) TO BE  
INSTALLED ONLY AFTER OIL TANK HAS BEEN PROPERLY  
LOCATED AND MOUNTED - WITH NO CYLINDER EXTENDED.

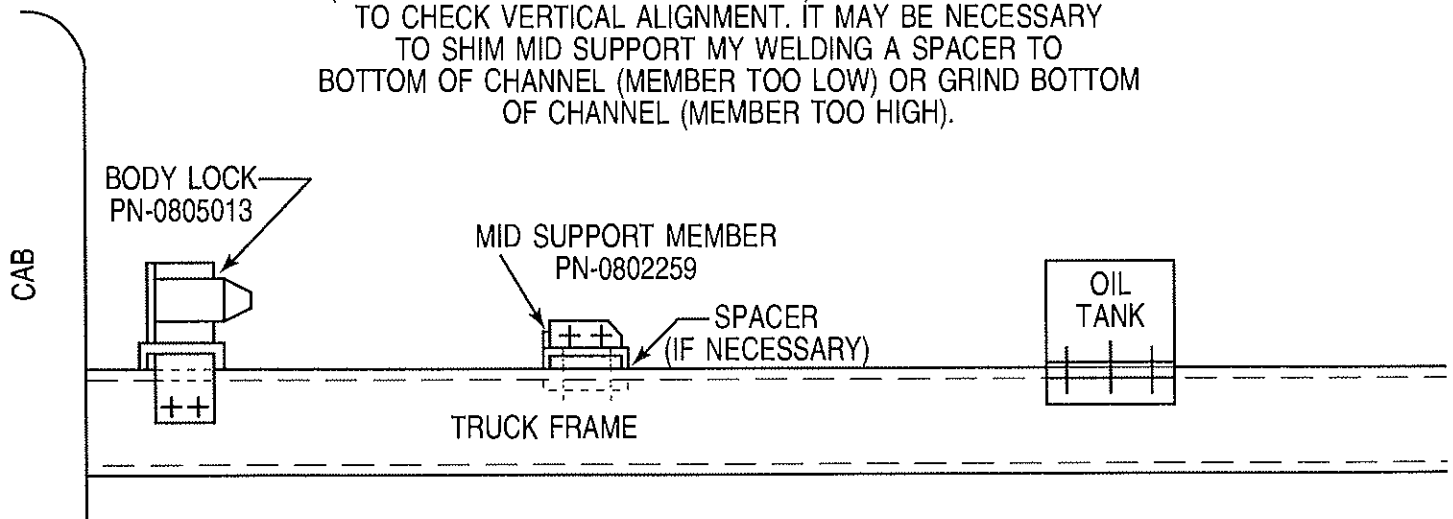




# SECTION II - 21' CARRIER MID SUPPORT MEMBER INSTALLATION

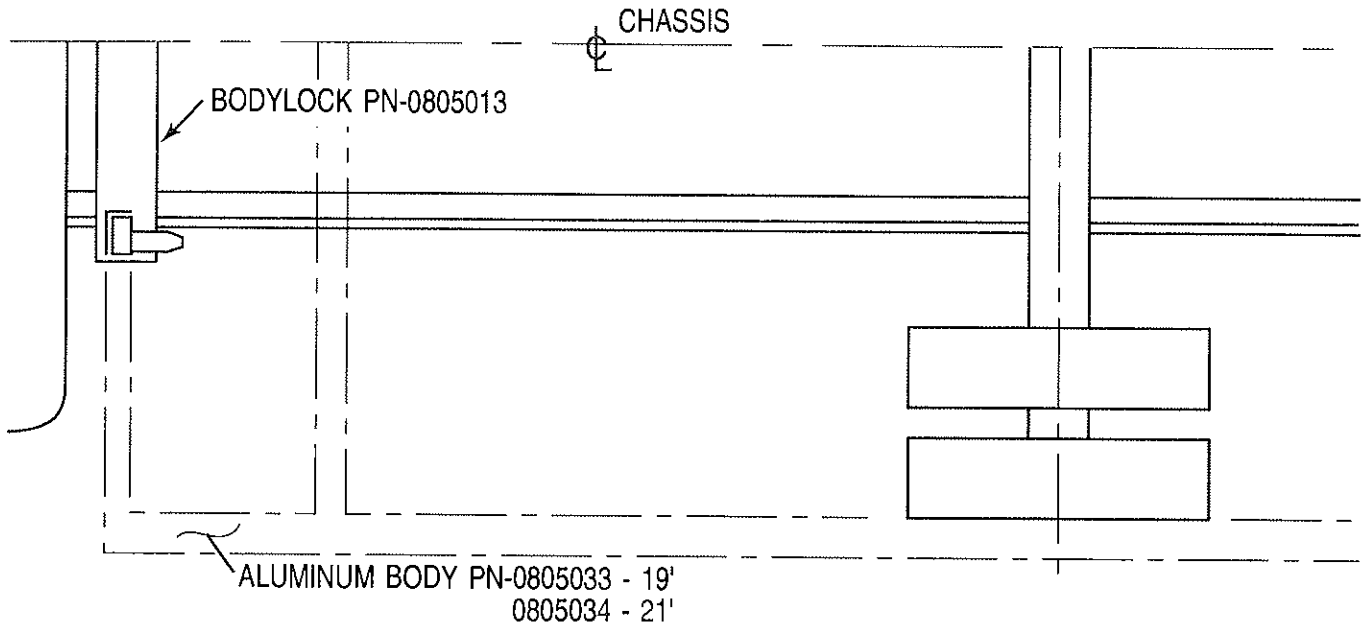


WITH BODY IN EXTENDED POSITION, LOCATE MID SUPPORT MEMBER APPROXIMATELY MIDWAY BETWEEN BEDLOCK & OIL TANK. (LOCATE TO CLEAR CROSS MEMBER). SLIDE BODY FORWARD TO CHECK VERTICAL ALIGNMENT. IT MAY BE NECESSARY TO SHIM MID SUPPORT BY WELDING A SPACER TO BOTTOM OF CHANNEL (MEMBER TOO LOW) OR GRIND BOTTOM OF CHANNEL (MEMBER TOO HIGH).



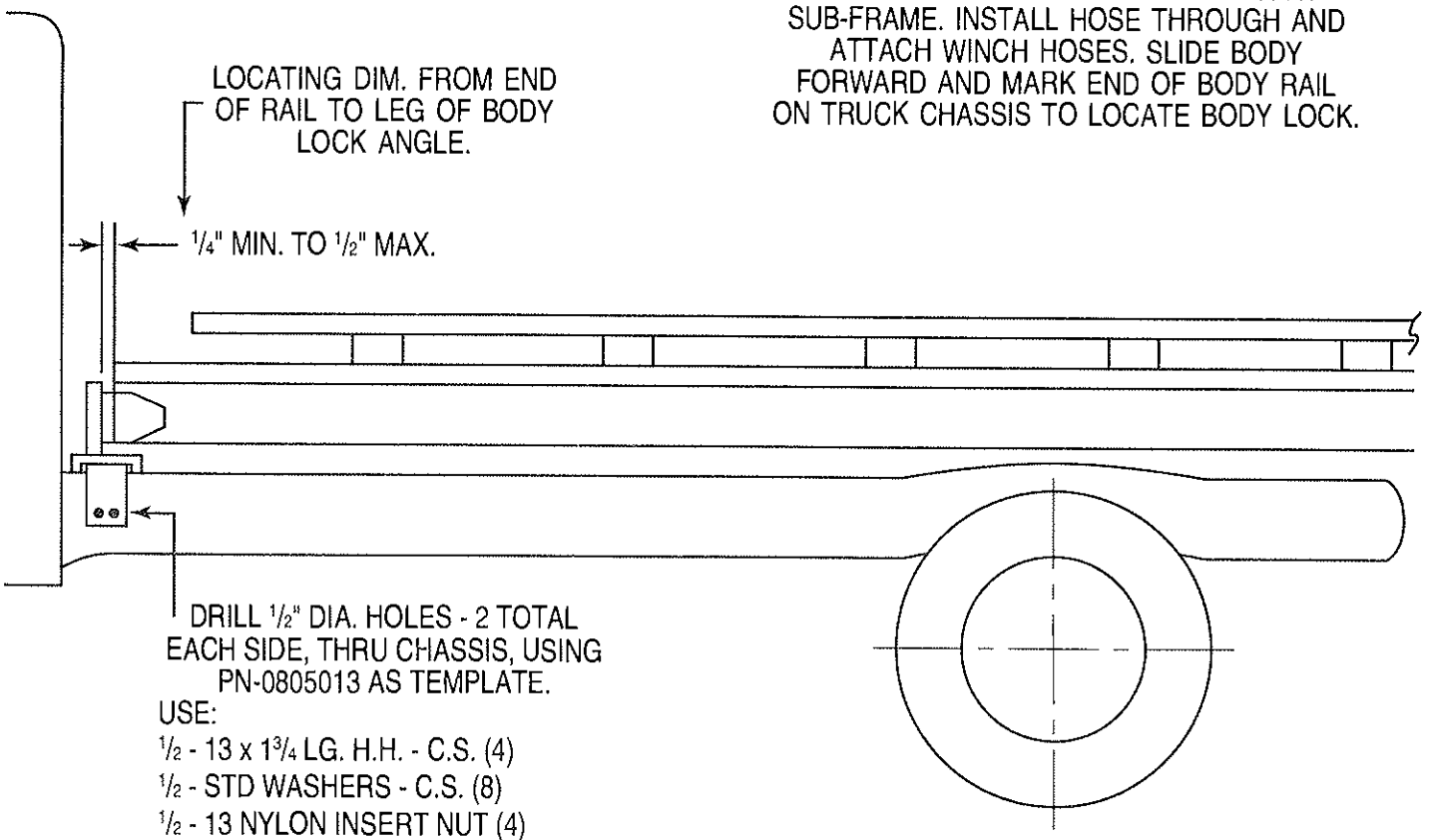
NOTE ON STEEL BODY  
MID SHIP MEMBER  
MAXIMUM DISTANCE FROM  
BODYLOCK IS 26".

# SECTION II - FORD SUPER DUTY CARRIER BODYLOCK INSTALLATION



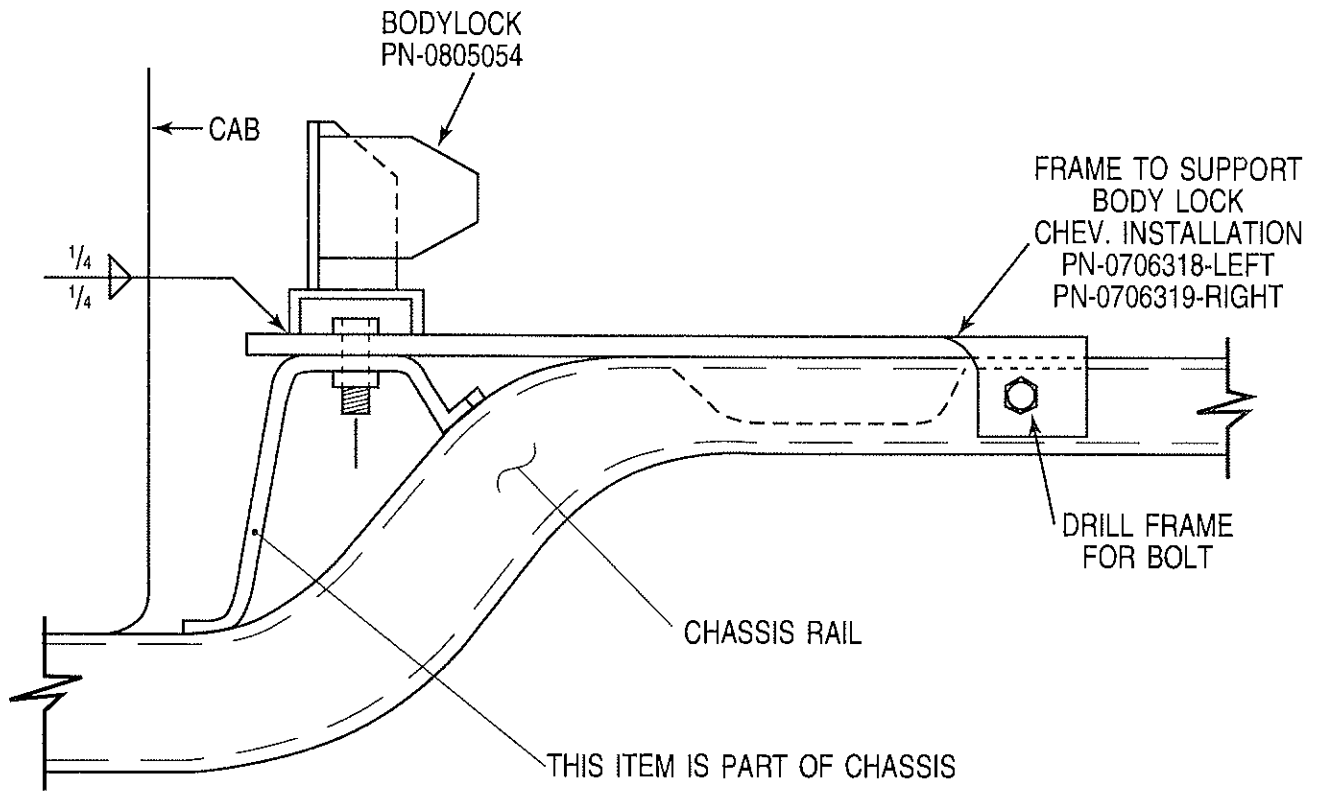
**CAUTION NOTE:**  
WINCH HOSES MUST LAY FLAT  
IN HOSE TRAY TO PREVENT HOSE  
DAMAGE WHEN INSTALLING BODY  
TO SUB-FRAME.

**BODYLOCK INSTALLATION**  
AFTER SLIDING BODY ONTO SUB-FRAME  
AND ATTACHING CYLINDER TO BODY,  
TIGHTEN OTHER END OF CYLINDER AT  
SUB-FRAME. INSTALL HOSE THROUGH AND  
ATTACH WINCH HOSES. SLIDE BODY  
FORWARD AND MARK END OF BODY RAIL  
ON TRUCK CHASSIS TO LOCATE BODY LOCK.





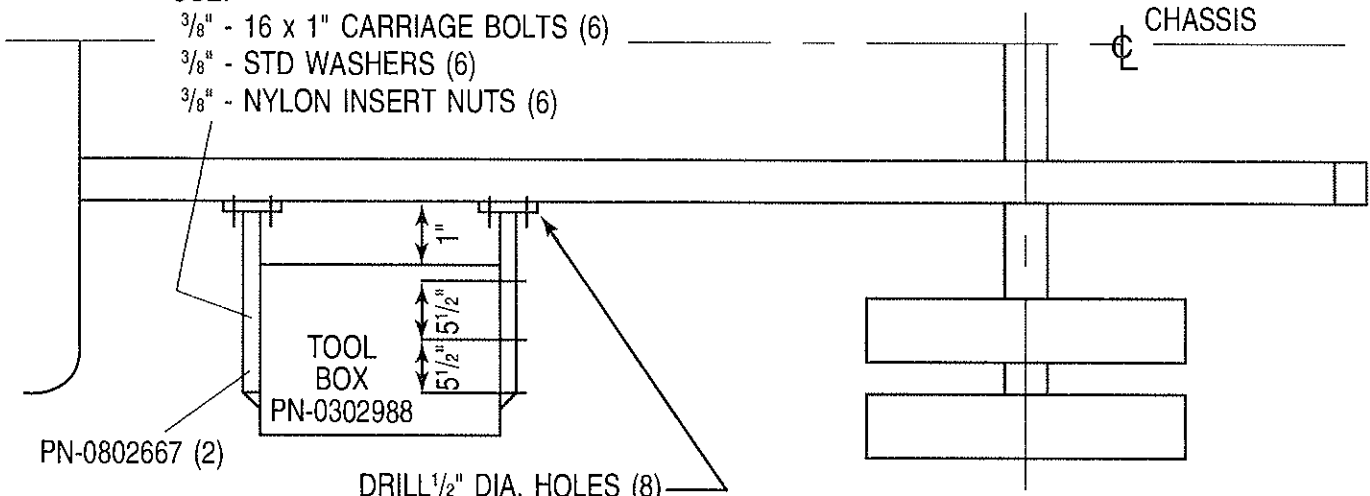
# SECTION II - CHEVY 3500 & HD3500 ONLY



# SECTION II - 19' OR 21' CARRIER TOOL BOX MOUNTING

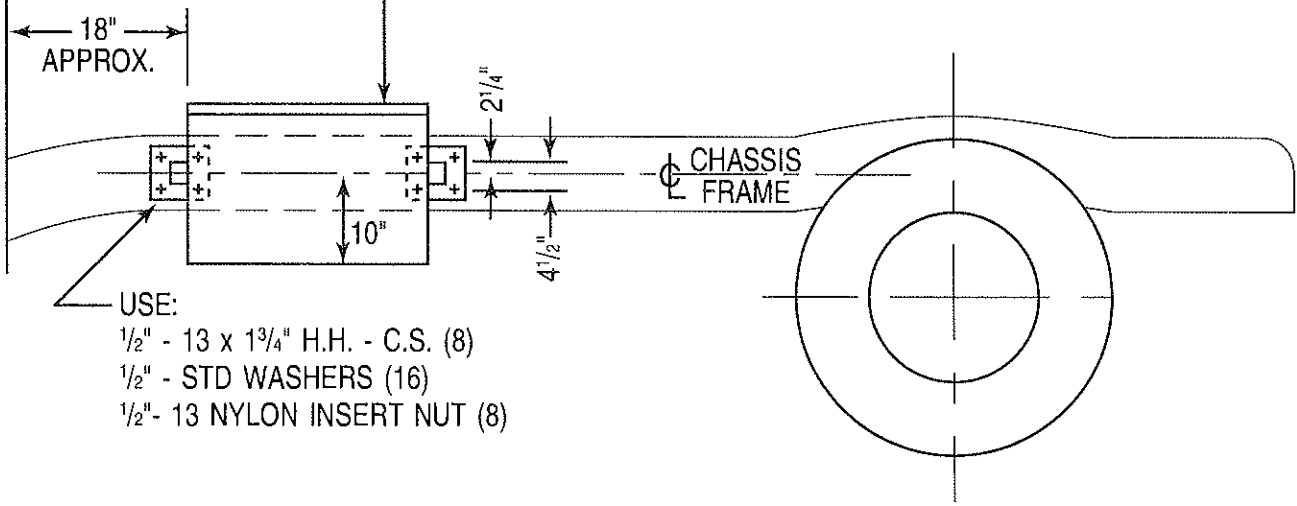
DRILL  $\frac{7}{16}$ " DIA. HOLES (6) THRU BOX  
USE:

- $\frac{3}{8}$ " - 16 x 1" CARRIAGE BOLTS (6)
- $\frac{3}{8}$ " - STD WASHERS (6)
- $\frac{3}{8}$ " - NYLON INSERT NUTS (6)



DRILL  $\frac{1}{2}$ " DIA. HOLES (8)  
USING TOOL BOX  
AS TEMPLATE AFTER  
ASSEMBLING MOUNTING  
BRACKETS TO TOOL BOX.

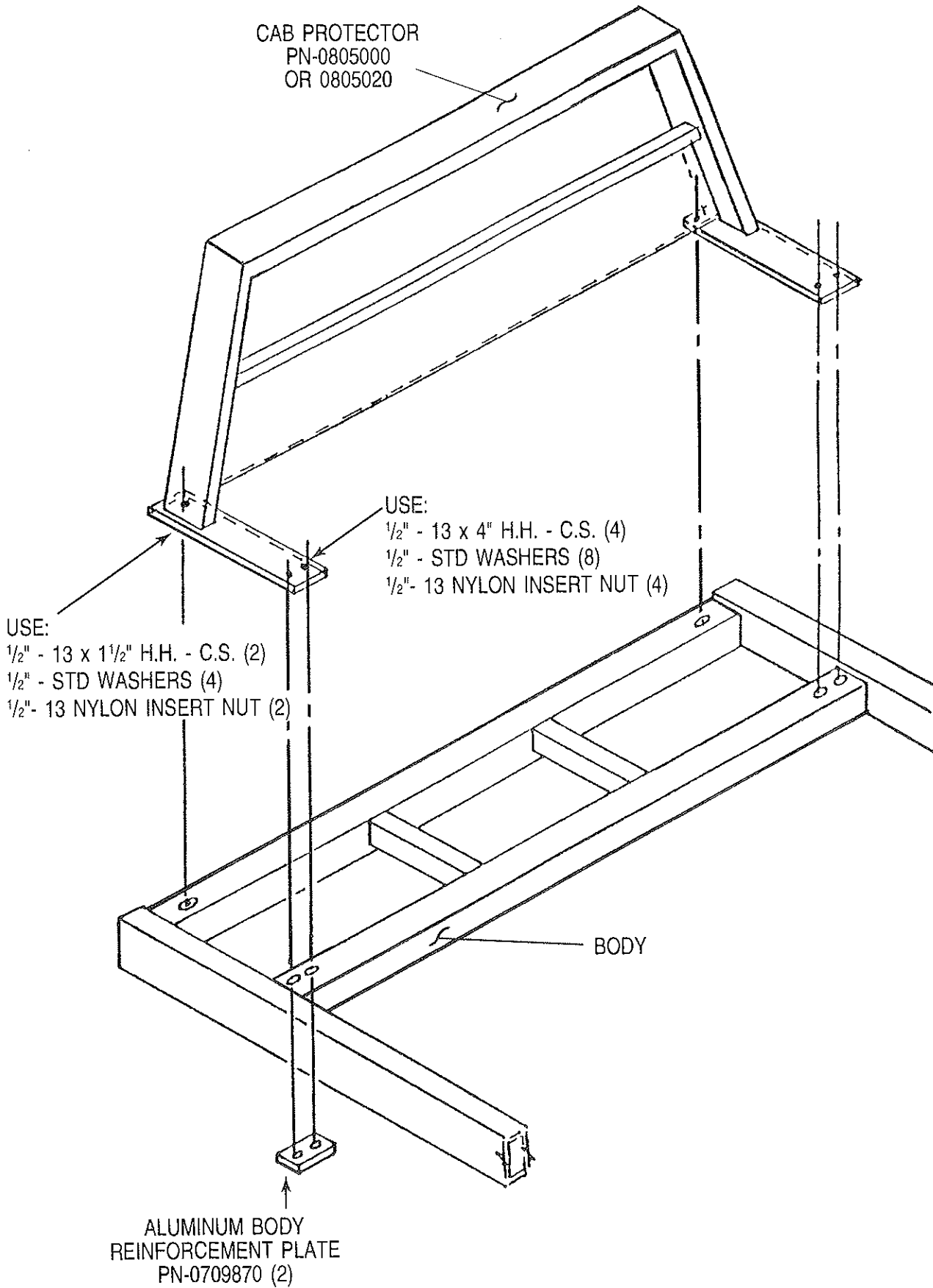
• CAUTION NOTE •  
CHECK FOR CLEARANCE  
BETWEEN TOOL BOX AND  
BODY BEFORE DRILLING  
HOLES IN TRUCK CHASSIS.



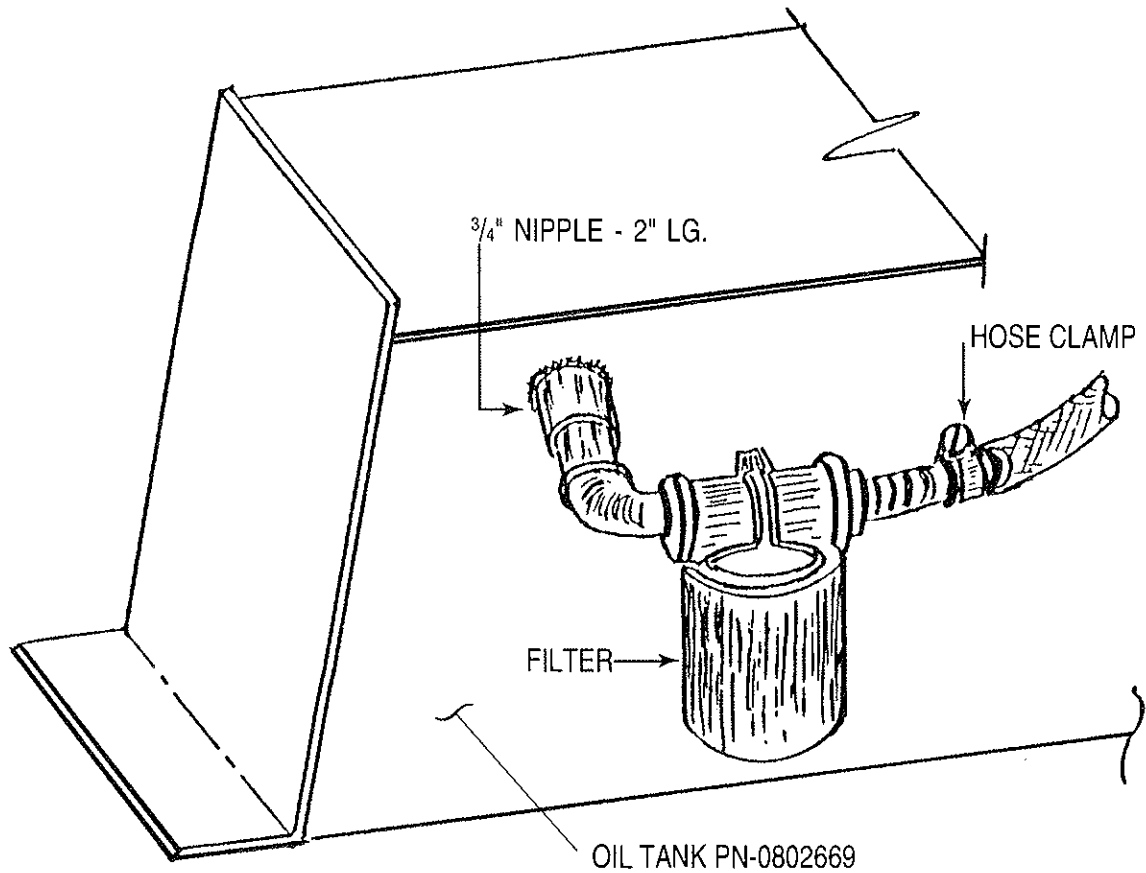
- USE:
- $\frac{1}{2}$ " - 13 x  $1\frac{3}{4}$ " H.H. - C.S. (8)
  - $\frac{1}{2}$ " - STD WASHERS (16)
  - $\frac{1}{2}$ " - 13 NYLON INSERT NUT (8)



# SECTION II - CARRIER CAB PROTECTOR



## SECTION II - CARRIER OIL RESERVOIR FILTER



### CAUTION

MAKE SURE THAT OIL RESERVOIR IS FULL BEFORE OPERATING UNIT. — FILL OIL TANK TO 1½" BELOW TOP OF TANK WITH BODY EXTENDED FOUR FEET AND ALL OTHER CYLINDERS COLLAPSED.



# SECTION II - CARRIER CAB PROTECTOR - WIRING INSTALLATION AND SAFETY CHAIN INSTALLATION

