

# CATERPILLAR D6M

5WR / SEBP2605

## Contents

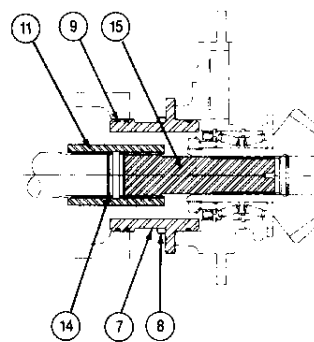
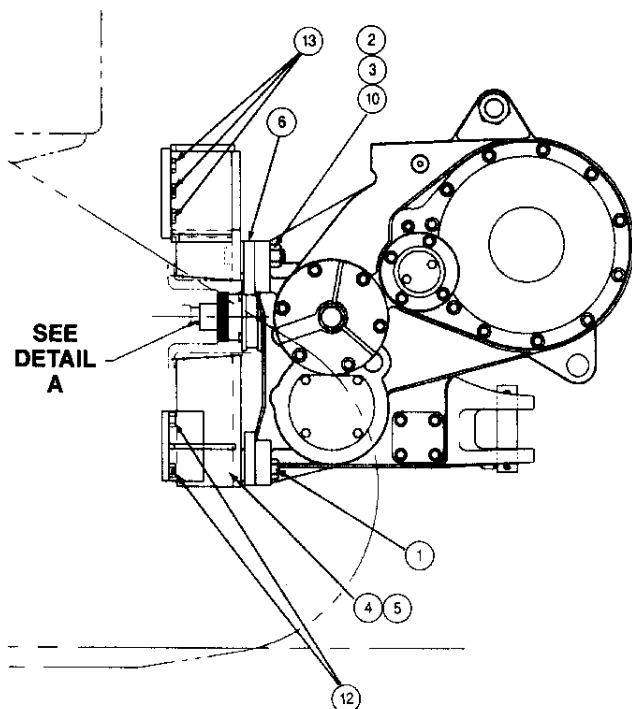
| Section                     | Page              |
|-----------------------------|-------------------|
| <a href="#">Power train</a> | <a href="#">2</a> |

## MOUNTING GP

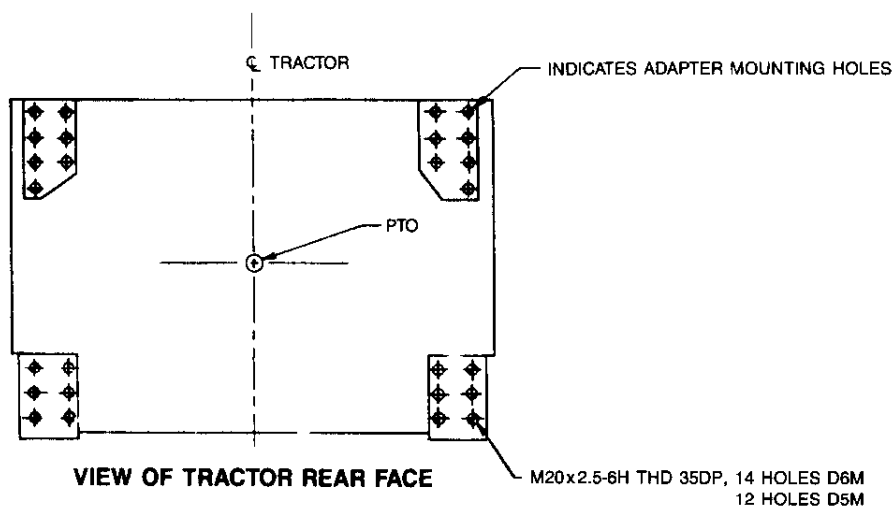
Mounting GP

Drawing 1 of 2

**MODEL PA55  
MOUNTING GROUP  
D5M & D6M**

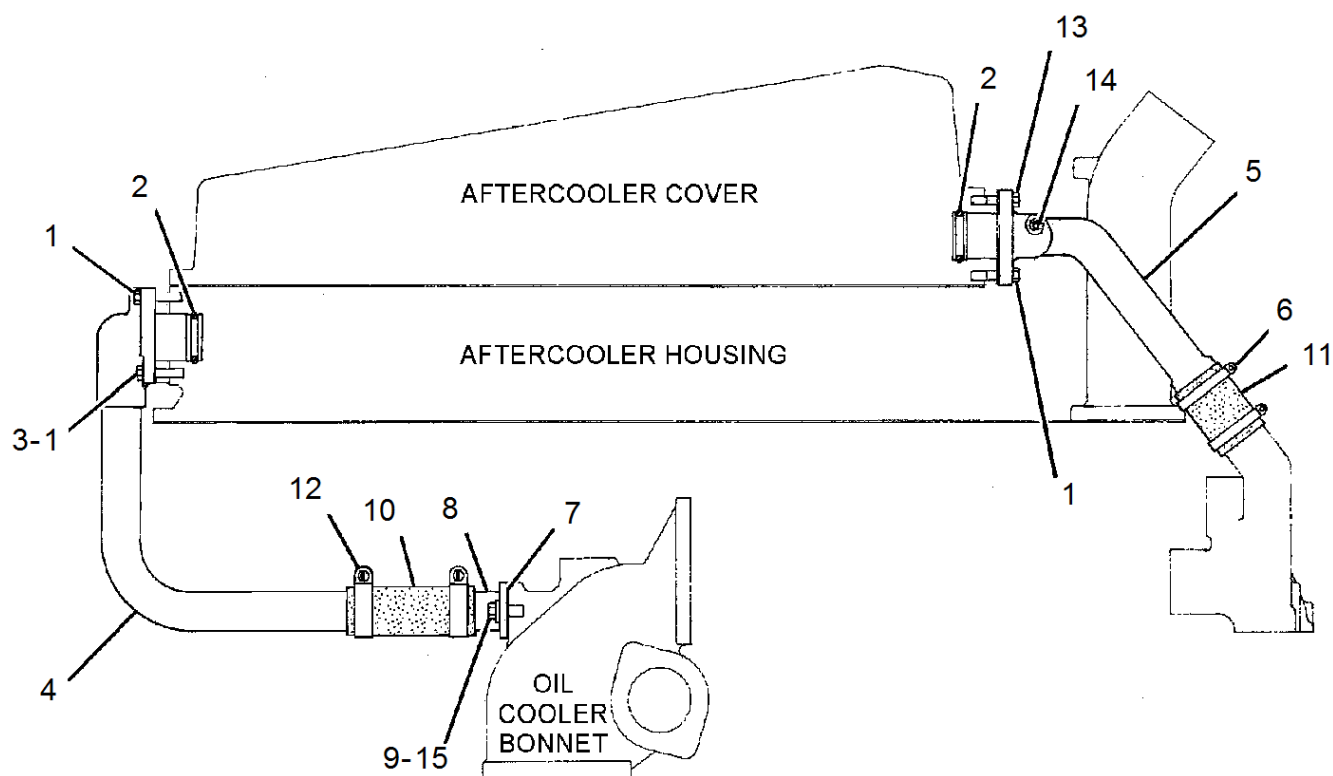


**SECTION A-A**



## MOUNTING GP (continued)

Drawing 2 of 2



### RIGHT SIDE VIEW OF ENGINE

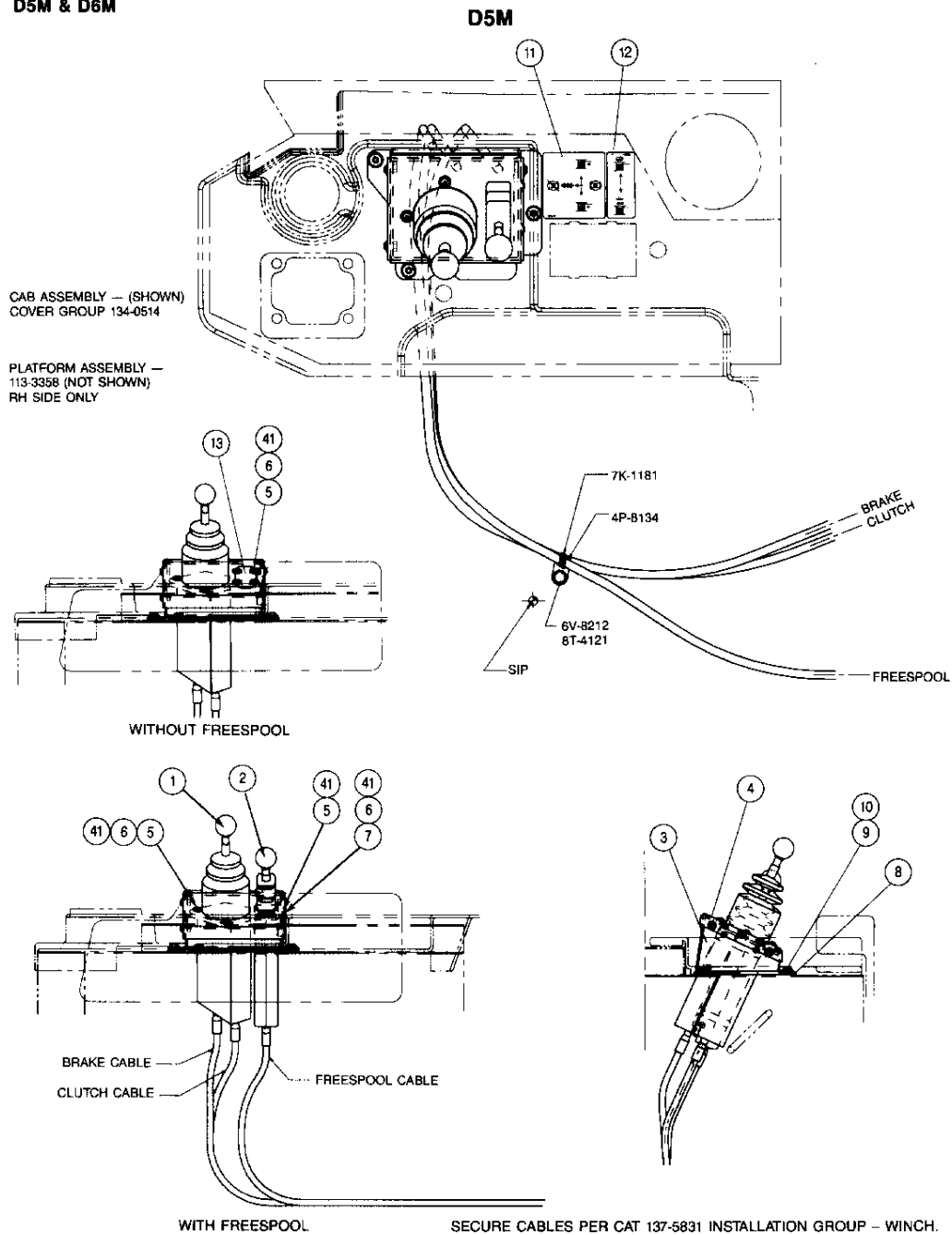
| Ref. | Part number | Description                                 | Qty | Code | Group page |
|------|-------------|---------------------------------------------|-----|------|------------|
| 1    | 7X-0408     | CAPSCREW, HEX HEAD (1 - 8 X 3 1/2 G8)       | 4   |      |            |
| 2    | 7X-0450     | NUT (1 1/8 - 7)                             | 4   |      |            |
| 3    | 133-9225    | STUD (1 1/8 - 7 X 5 3/4 G8)                 | 4   |      |            |
| 4    | 123-4428    | ADAPTER - RH                                | 1   |      |            |
| 5    | 123-4429    | ADAPTER - LH                                | 1   |      |            |
| 6    | 118-6553    | SPACER                                      | 4   |      |            |
| 7    | 118-6537    | PILOT, PTO                                  | 1   |      |            |
| 8    | 123-4407    | CAPSCREW, HEX HEAD (1/2 - 13 X 1 G5)        | 4   |      |            |
| 9    | 8S-5654     | O-RING                                      | 3   |      |            |
| 10   | 119-1551    | WASHER (1 1/8 HARDENED)                     | 4   |      |            |
| 11   | 118-6539    | COUPLING                                    | 1   |      |            |
| 12   | 6V-3531     | CAPSCREW, HEX HEAD (HM20 - 2.5 x 45 mm G8)  | 4   |      |            |
| 13   | 7X-2562     | CAPSCREW, HEX HEAD (HM20 - 2.5 x 50 mm, G8) | 10  |      |            |
| 14   | 120-7671    | RETAINING RING                              | 2   |      |            |
| 15   | 118-6559    | PTO SHAFT                                   | 1   |      |            |

# CONTROL GP

Control GP

Drawing 1 of 6

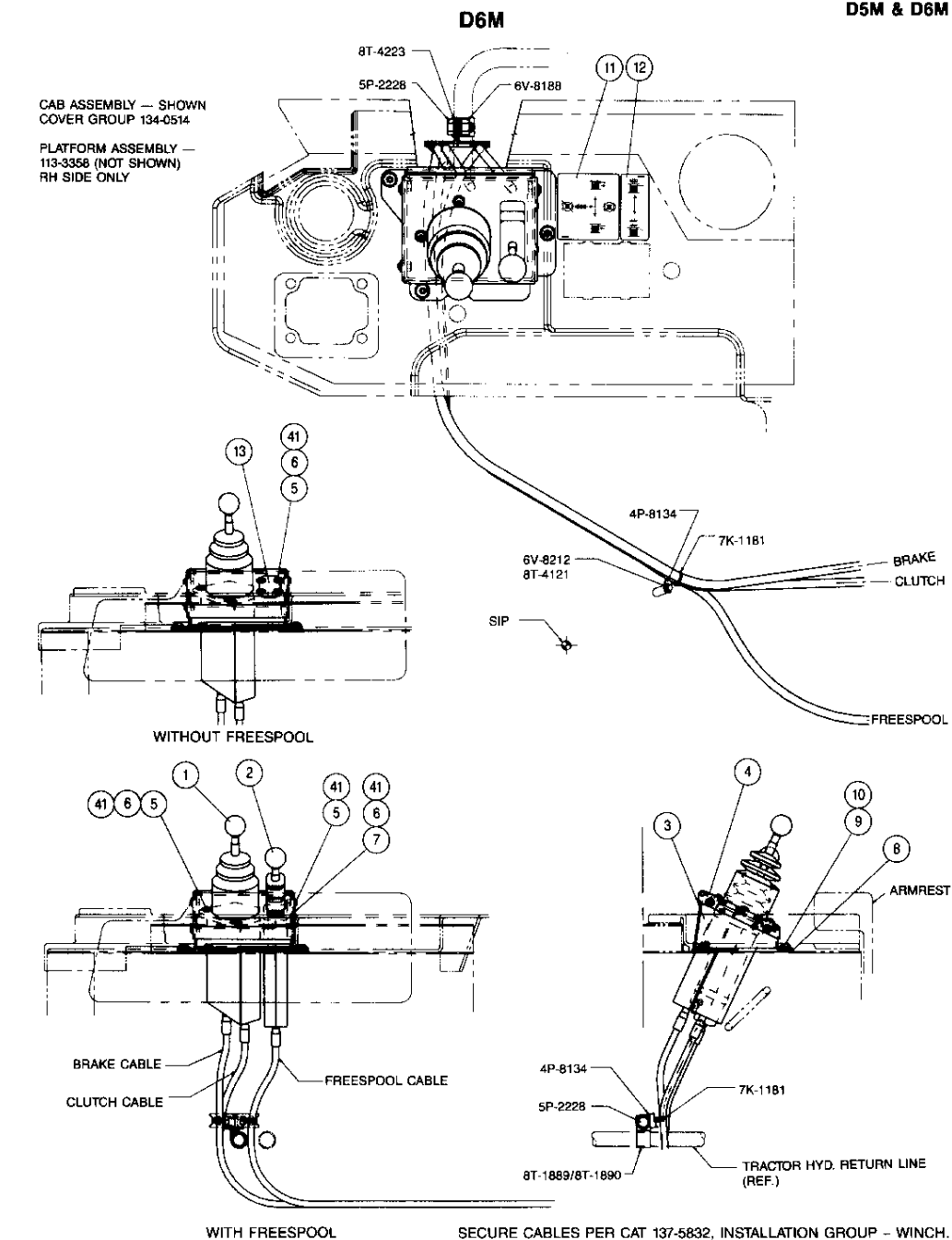
**MODEL PA55  
CONTROL GROUP  
D5M & D6M**



# CONTROL GP (continued)

Drawing 2 of 6

**MODEL PA55  
CONTROL GROUP  
D5M & D6M**



## CONTROL GP (continued)

Drawing 3 of 6

### CONTROL INSTALLATION INSTRUCTION

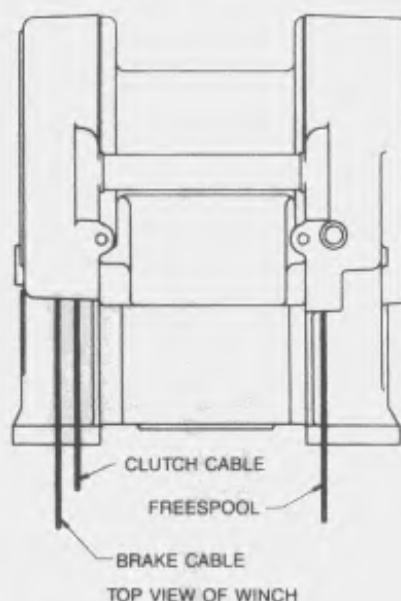
**Note:** These instructions are provided as a general guide. Tractor options, application requirements or local regulations may require deviation from these recommendations.

1. Install the gasket, item 8, to the bottom of the control bracket, item 3.
2. Install the control bracket onto the right hand console using existing button head capscrews.
3. Carefully route control cables from winch to underside of right hand console.

#### **CAUTION**

Avoid routing cables near moving shafts or linkage which may cause damage to cables or restrict free movement of tractor components.

4. Route the control cables up through the opening of the control bracket and install cables into controllers as follows:



### Power Shift Control – Dual Axis

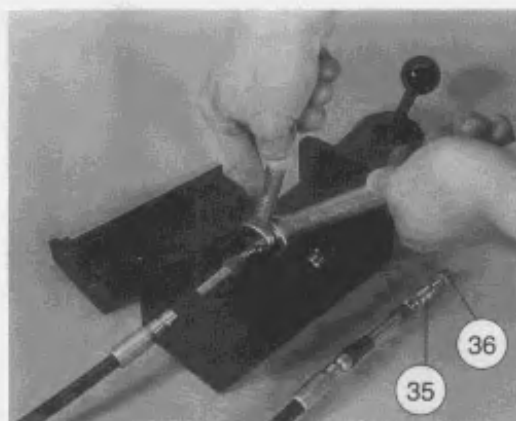
1. Remove the six through-bolts, item 34, from the control stand and separate the two cable support

housings, items 37 & 38. From each plunger, remove the sliding lock screw and threaded bushing, items 35 & 36.

2. Install the sliding lock screw, item 35, onto the control cables. Apply two drops of Loctite 242 to the cable threads and install the threaded bushing, item 36, onto the cable core until the end of the cable core is level with the end of the bushing.
3. Hold the controller in your left hand with the knob end up and the mounting bolts located at 6, 9 and 12 o'clock positions. Mark the plunger closest to the 6 o'clock position as the "clutch" control. Mark the plunger closest to the 12 o'clock position as the "brake" control. The "clipped" corner of the control will be installed toward the rear of the tractor.
4. Install the brake cable to the "brake" control plunger and the clutch cable into "clutch" control plunger. Move the control lever to extend the plungers far enough to expose the wrench flats. With a wrench, hold the plunger as you tighten the sliding lock screw to 50 lb·ft (68 N·m) torque. Photo 1

#### **CAUTION**

Tightening the sliding lock screw without holding the plunger with a wrench will result in damage to the control assembly.



5. Install the cable support housings, items 37 & 38, onto the controller. Place the groove of the control cable housings into the saddle of the cable anchors, items 39 & 40. Install the six through-bolts, washers, lockwashers and nuts, items 31, 33, 34 & 41. Evenly tighten the bolts to 85 lb·in. (10 N·m) torque.

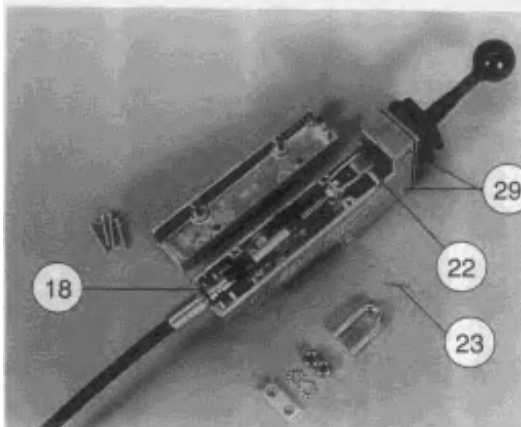
## CONTROL GP (continued)

Drawing 4 of 6

6. Insert the controller/cables sub-assembly from the bottom into the opening of the control bracket cover, item 4, and secure with three button, socket-head capscrews, washers and nuts, items 5, 6 & 41. If the winch is equipped with freespool, install the freespool controller/cable sub-assembly at this time. If not equipped with freespool, install the control bracket cover/controllers sub-assembly onto the control bracket using three button, socket-head capscrews, and washers, items 5 and 41.

### Freespool Control Lever

1. Remove the knob, item 32, and the four oval head machine screws and lockwashers, items 16 & 17, from the long lever housing cover and remove the cover.
2. Prepare the control cable for installation by installing the o-ring, item 18, over the control lever end of the cable. The control lever end is identified by the u-bolt groove in the cable housing.
3. Install one nut, item 19, onto the cable core followed by the lockwasher, item 31.
4. Install the clevis, item 21, and one more nut, item 19, onto the cable. The cable core end must extend beyond the nut by 7/32 in. (5.5 mm). Tighten the first nut to secure the clevis in this position.
5. Slip the clevis over the bellcrank of the lever and install the clevis pin, item 22, and secure in place with cotter pin, item 23. Photo 2



6. Remove the u-bolt, item 24, from the housing.
7. Position the o-ring, item 18, on the control cable housing so that when the cable is lowered into place, the o-ring fits in the groove in the housing.
8. Install the u-bolt, item 24, over the cable and

through the housing. Install the spacer, item 25, over the u-bolt followed by the lockwashers and nuts, items 20 & 26. Tighten the u-bolt nuts to 90 lb·in. (10 N·m) torque.

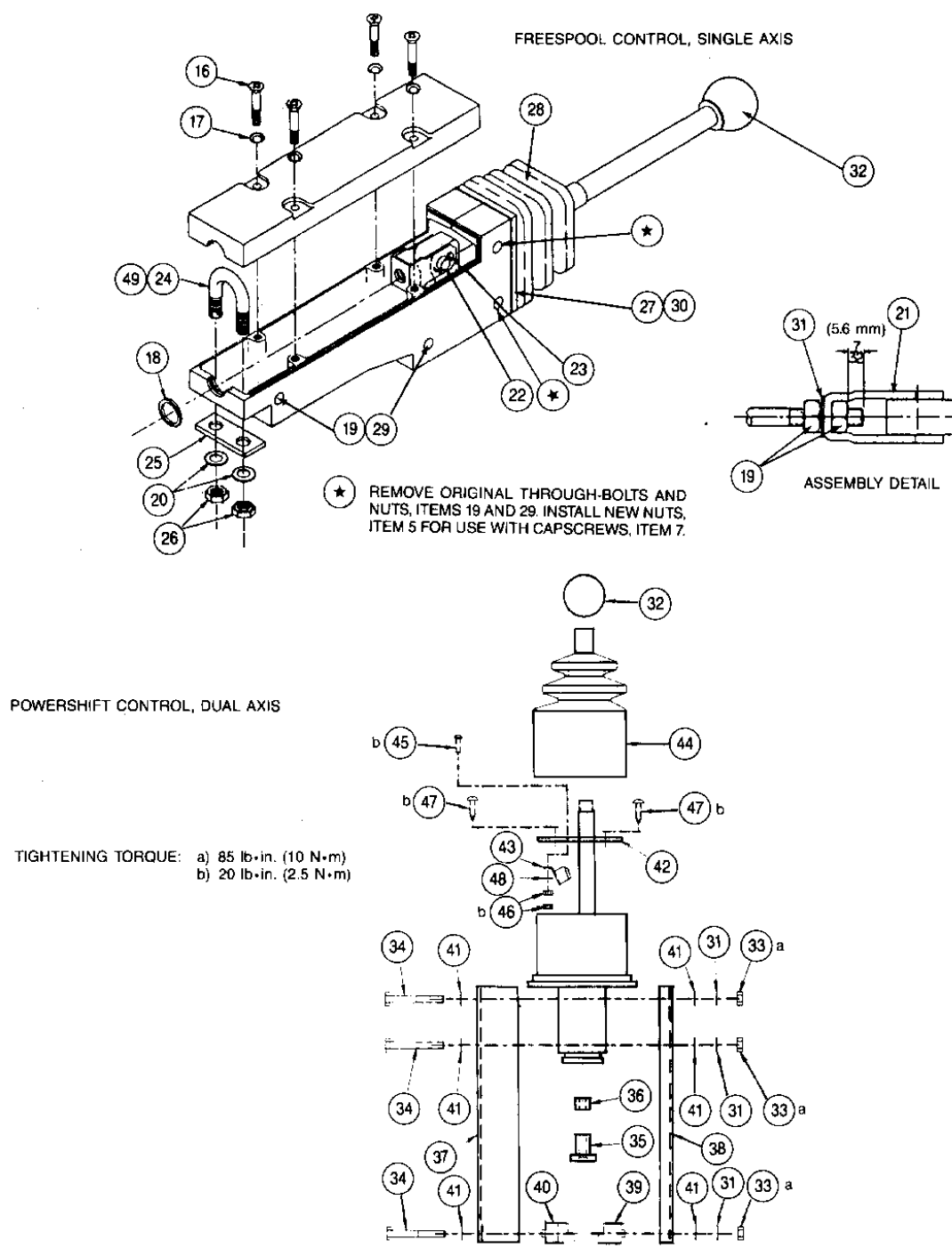
9. Install the cover onto the housing with the four oval head machine screws and lockwashers, items 16 & 17.
10. Remove the two through-bolts and nuts, items 29 and 19, from the top two mounting holes of the lever housing.
11. Secure the lever to the control bracket with cap-screws, washers and nuts, items 6, 7 and 41. The long cover of the lever housing must face toward the operator.
12. Install the control bracket cover/controller sub-assembly onto the control bracket base using three button, socket-head capscrews and washers, items 5 and 41. Install the knob, item 32, onto the lever.

### General Instructions

1. Install the control instruction self-adhesive decal(s), items 11 and 12, onto the console cover to the rear of the control bracket.
2. Fill winch to proper level with recommended oil. Refer to oil specifications found in the Operation and Preventive Maintenance Manual, publication SEBU 6884 (Paccar Winch PC-209).
3. Verify proper control cable and operating pressure adjustment by following the procedures found in the Operation and Preventive Maintenance Manual, publication SEBU 6884 (Paccar Winch PC-209) or the service manual, publication SENR 5358 (Paccar Winch PC-210).

## CONTROL GP (continued)

Drawing 5 of 6



## CONTROL GP (continued)

Drawing 6 of 6

| ITEM | PART NO. | DESCRIPTION                                  | QTY.        |               |
|------|----------|----------------------------------------------|-------------|---------------|
|      |          |                                              | W/FREESPOOL | W/O FREESPOOL |
| 1    | 123-4432 | CONTROL, POWERSHIFT, DUAL-AXIS               | 1           | 1             |
| 2    | 123-4433 | CONTROL, FREESPOOL, SINGLE AXIS              | 1           | —             |
| 3    | 138-9293 | CONTROL BRACKET BASE                         | 1           | 1             |
| 4    | 136-7451 | CONTROL BRACKET COVER                        | 1           | 1             |
| 5    | 137-4398 | CAPSCREW, BUTTON HEAD (M6 - 1.0 × 25 mm)     | 6           | 12            |
| 6    | 5C-2890  | NUT, HEX (M6 - 1.0)                          | 5           | 9             |
| 7    | 137-4399 | CAPSCREW, BUTTON HEAD (M6 - 1.0 × 50 mm)     | 2           | —             |
| 8    | 137-4401 | GASKET                                       | 1           | 1             |
| 9    | 137-4402 | CAPSCREW, BUTTON HEAD (M10 - 1.5 × 25 mm)    | 3           | 3             |
| 10   | 8T-4896  | FLATWASHER (3/8 NARROW)                      | 3           | 3             |
| 11   | 123-4439 | DECAL, POWERSHIFT CONTROL                    | 1           | 1             |
| 12   | 123-4440 | DECAL, FREESPOOL                             | 1           | —             |
| 13   | 138-9292 | COVER                                        | —           | 1             |
| 15   | 123-4424 | CONTROL CABLE - 90 in. (2286 mm)             | 3           | 2             |
| 16   | 126-5992 | MACHINE SCREW, CSK, OVAL HEAD (8-32 × 1 1/4) | 4           | —             |
| 17   | 9F-5602  | LOCKWASHER, CSK (8)                          | 4           | —             |
| 18   | 8F-9206  | O-RING                                       | 1           | —             |
| 19   | 9S-8748  | NUT (1/4-28)                                 | 6           | —             |
| 20   | 7H-3937  | LOCKWASHER, EXTERNAL TOOTH (5/16)            | 2           | —             |
| 21   | 126-2799 | CLEVIS                                       | 1           | —             |
| 22   | 126-2800 | CLEVIS PIN                                   | 1           | —             |
| 23   | 3B-4604  | COTTER PIN (1/16 × 1/2)                      | 1           | —             |
| 24   | 126-2798 | U-BOLT                                       | 1           | —             |
| 25   | 126-2801 | U-BOLT SPACER                                | 1           | —             |
| 26   | 6V-8186  | NUT (5/16-24)                                | 2           | —             |
| 27   | 126-5990 | MACHINE SCREW, CSK, OVAL HEAD (8-32 × 1/2)   | 4           | —             |
| 28   | 126-2825 | BOOT, FREESPOOL LEVER                        | 1           | —             |
| 29   | 126-5991 | MACHINE SCREW, FLSTR HEAD (1/4-28 × 1 1/16)  | 4           | —             |
| 30   | 126-2802 | BOOT RETAINER PLATE                          | 1           | —             |
| 31   | 1H-3338  | LOCKWASHER, EXTERNAL TOOTH (1/4)             | 7           | 6             |
| 32   | 7R-5874  | KNOB                                         | 2           | 1             |
| 33   | 6V-8185  | NUT (1/4-20)                                 | 6           | 6             |
| 34   | 8T-9367  | CAPSCREW, HEX HEAD (1/4-20 × 2 G5)           | 6           | 6             |
| 35   | 126-2821 | SLIDING LOCKSCREW                            | 2           | 2             |
| 36   | 126-2822 | CABLE BUSHING                                | 2           | 2             |
| 37   | 126-2823 | CABLE SUPPORT HOUSING, OUTER                 | 1           | 1             |
| 38   | 126-2824 | CABLE SUPPORT HOUSING, INNER                 | 1           | 1             |
| 39   | 126-2818 | CABLE ANCHOR, OUTER                          | 1           | 1             |
| 40   | 126-2820 | CABLE ANCHOR, INNER                          | 1           | 1             |
| 41   | 8T-4205  | WASHER, FLAT-THIN (1/4)                      | 20          | 24            |
| 42   | 126-2806 | RESTRICTOR PLATE                             | 1           | 1             |
| 43   | 126-2805 | BRAKE-OFF DETENT CLIP SPRING                 | 1           | 1             |
| 44   | 126-2804 | BOOT                                         | 1           | 1             |
| 45   | 126-5995 | MACHINE SCREW, RD HEAD (4-40 × 5/8)          | 2           | 2             |
| 46   | 6B-4540  | NUT (4-40)                                   | 2           | 2             |
| 47   | 126-5994 | SCREW, SELF TAPPING (10-9 × 3/4)             | 4           | 4             |
| 48   | 126-5993 | LOCKWASHER, EXTERNAL TOOTH (4)               | 2           | 2             |
| 49   | 128-2803 | CABLE CLAMP                                  | 1           | —             |

| Ref. | Part number | Description |
|------|-------------|-------------|
|------|-------------|-------------|

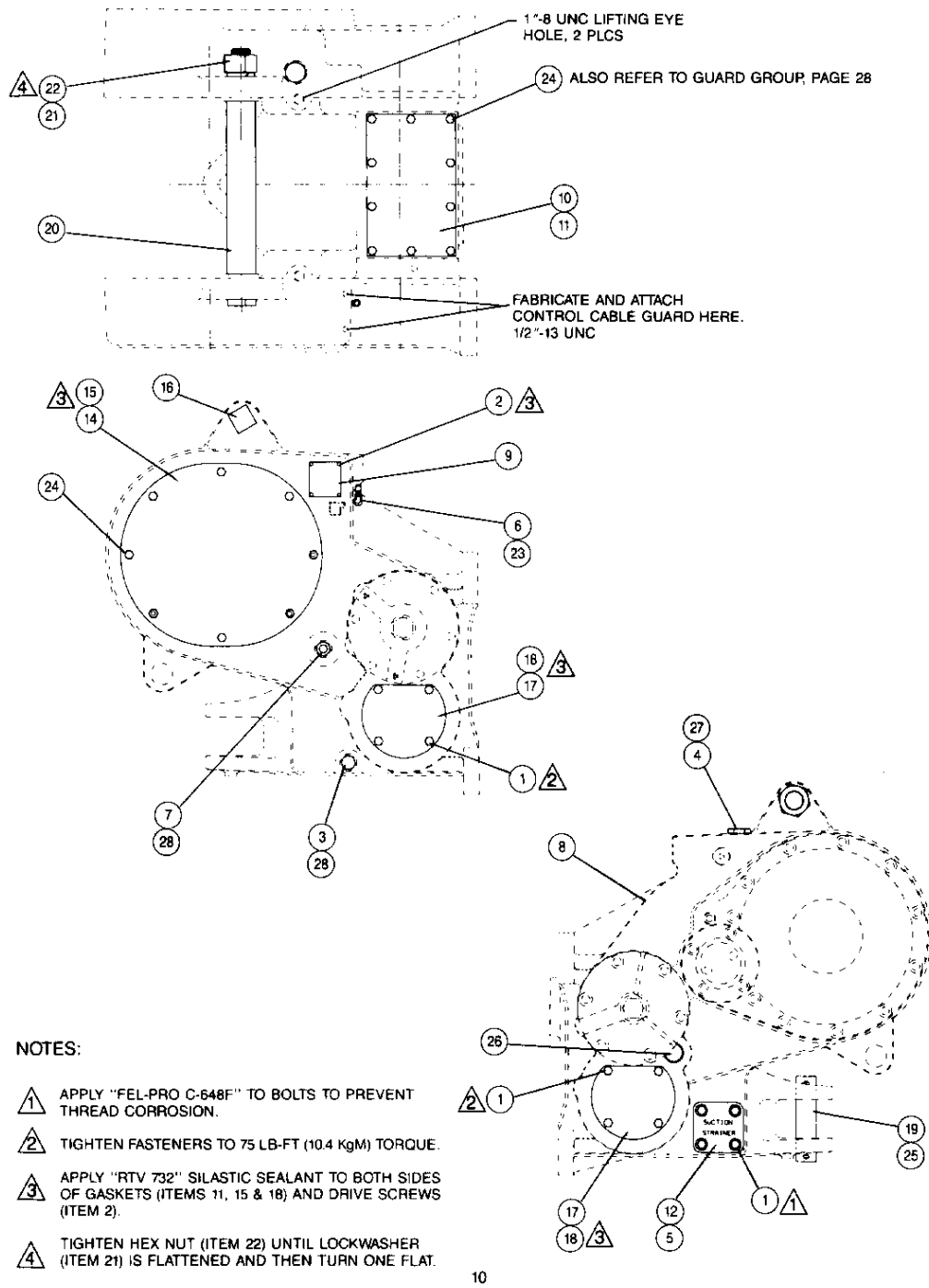
| Qty | Code | Group page |
|-----|------|------------|
|-----|------|------------|

Parts list rows are not synced on this VPS for SEBP2605/SEBP26050002 yet.

WINCH CASE & COVERS

Winch Case & Covers

Drawing 1 of 1



| Ref. | Part number | Description                                 | Qty | Code | Group page |
|------|-------------|---------------------------------------------|-----|------|------------|
| 1    | 123-4407    | CAPSCREW, HEX HEAD (1/2 - 13 NC X 1 G5)     | 12  |      |            |
| 2    | 7H-4543     | DRIVE SCREW                                 | 4   |      |            |
| 3    | 5P-9436     | PLUG, DRAIN (MAY BE SUBSTITUTED FOR ITEM 7) | 1   |      |            |
| 4    | 123-4441    | PLUG, OIL FILL (INCLUDES ITEM 27)           | 1   |      |            |
| 5    | 6L-9965     | O-RING                                      | 1   |      |            |

**MANUALS-KOMATSU.COM**

## **Complete Caterpillar PDF Parts Catalogue**

5WR-SEBP2605

**\$99**

Buy on this catalogue page in our store.

Download instructions are sent after payment confirmation.

**Buy complete PDF - \$99**