



## Power Max 828 LXE Snowthrower

Model No. 38630 - 290000001 and up.

### Parts Catalog

#### Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

#### Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

#### Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustrations and in part lists.

#### Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

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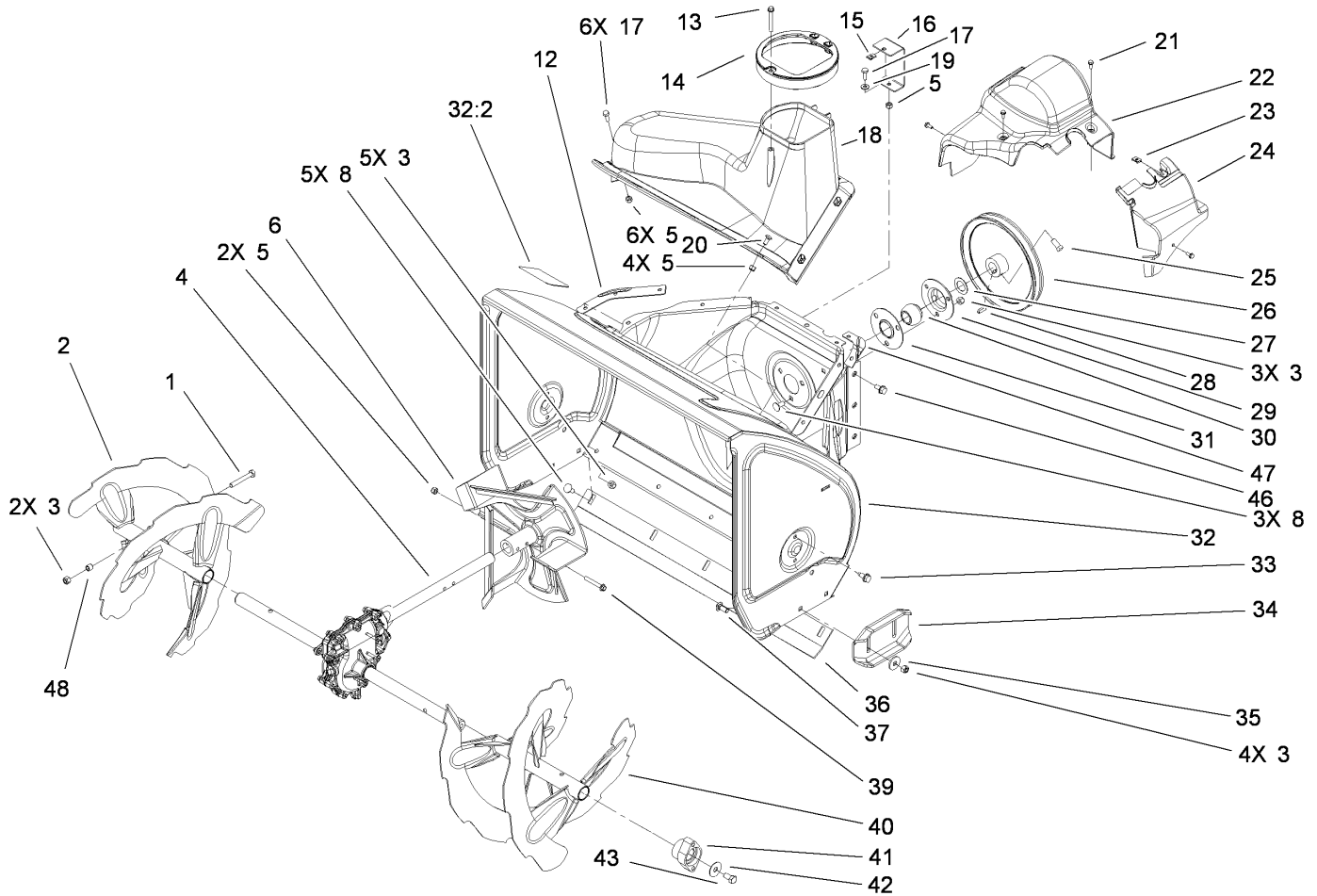
## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

|                                            |                                              |
|--------------------------------------------|----------------------------------------------|
| AR. .... as required                       | HYD. .... hydraulic                          |
| ASM. .... assembly                         | LH. .... left hand                           |
| BBC. .... blade brake clutch               | NI. .... nylon insert                        |
| CARR. .... carriage                        | NPTF. .... national pipe thread fine         |
| DEG. .... degrees                          | PFH. .... phillips flat head                 |
| EXT. .... external                         | PPH. .... phillips pan head                  |
| FH. .... flat head                         | PPHTF. .... phillips pan head thread forming |
| GA. .... gauge                             | PRH. .... phillips round head                |
| HD. .... heavy-duty                        | PTH. .... phillips truss head                |
| HF. .... hex flange                        | PTO. .... power-take-off                     |
| HH. .... hex head                          | RH. .... right hand                          |
| HHF. .... hex head flange                  | ROPS. .... roll-over protection system       |
| HHFTF. .... hex head flange thread forming | SFH. .... slotted fillister head             |
| HJ. .... hex jam                           | SHH. .... slotted hex head                   |
| HLH. .... hex lag head                     | SHWH. .... slotted hex washer head           |
| HOC. .... height-of-cut                    | SPH. .... slotted pan head                   |
| HSBH. .... hex socket button head          | SQH. .... square head                        |
| HSFH. .... hex socket flat head            | SRH. .... slotted round head                 |
| HSH. .... hex socket head                  | STD. .... standard                           |
| HWH. .... hex washer head                  | TAP. .... self tapping                       |
| HWHTF. .... hex washer head thread forming | TTH. .... torx truss head                    |

## Footnotes

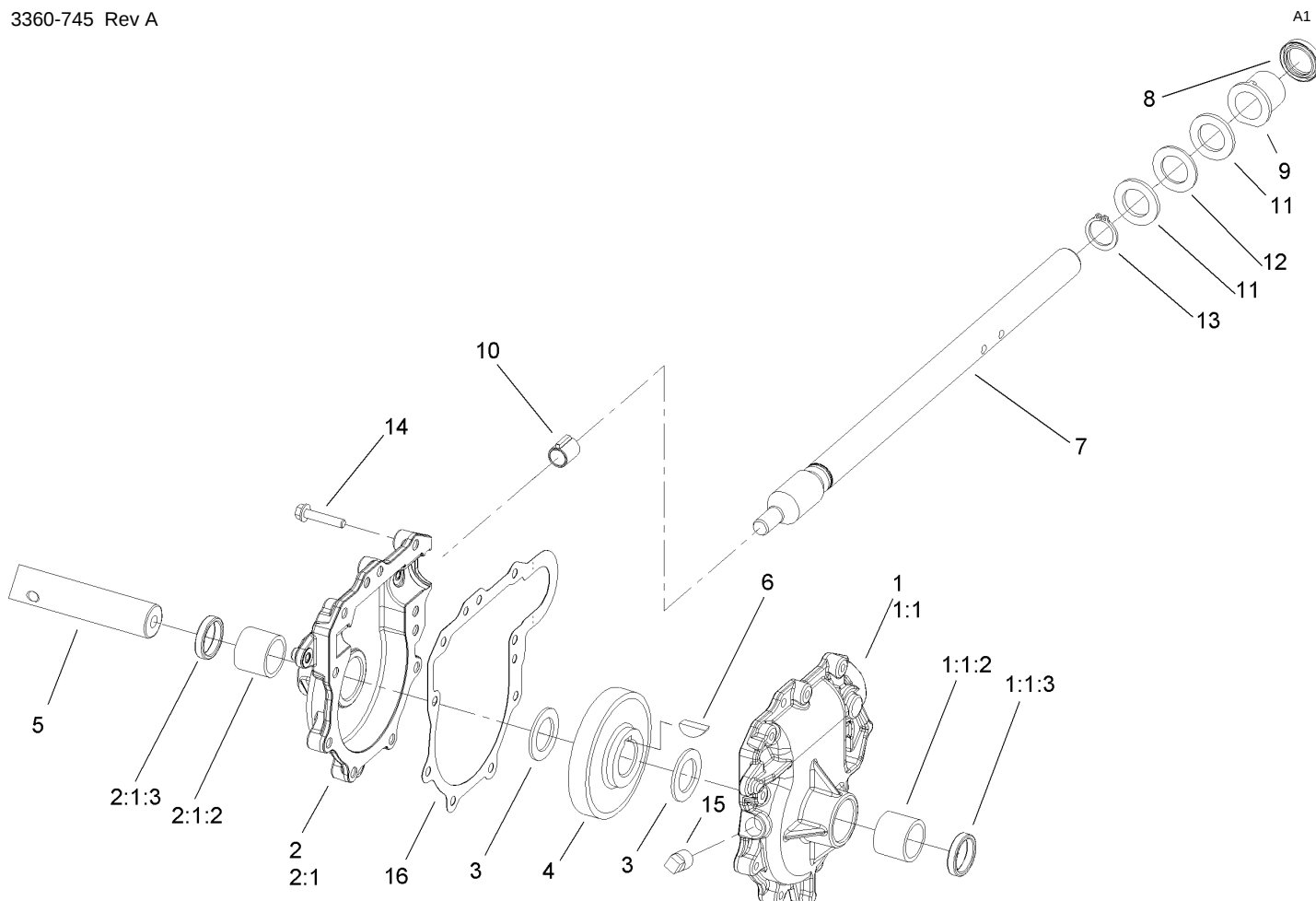
- ❶ Not illustrated
- ❷ Not serviced separately
- ❸ Obtain from your local Tecumseh dealer



## Auger and Housing Assembly

| Ref | Part No.    | Qty. | Description                |
|-----|-------------|------|----------------------------|
| 1   | 322-11      | 2    | Screw-HH                   |
| 2   | 106-7291-03 | 1    | Auger-RH                   |
| 3   | 3296-29     | 14   | Nut-Lock, NI               |
| 4   | 108-7329    | 1    | 28 Inch Auger Gearcase ASM |
| 5   | 3296-42     | 13   | Nut-Lock, NI               |
| 6   | 106-4576-03 | 1    | Impeller ASM               |
| 8   | 3230-23     | 8    | Screw-CARR                 |
| 12  | 107-1017-03 | 1    | Seal-Flange, Cover         |
| 13  | 107-3003    | 1    | Screw-Plastite             |
| 14  | 107-3006    | 1    | Guide-Chute                |
| 15  | 107-1013    | 1    | Nut-Speed, U-Type          |
| 16  | 107-1014-03 | 1    | Bracket-Cover, Clip Nut    |
| 17  | 321-4       | 7    | Screw-HH                   |
| 18  | 108-0017    | 1    | Cover                      |
| 19  | 3256-22     | 1    | Washer-Flat                |
| 20  | 3229-1      | 4    | Screw-CARR                 |
| 21  | 32144-112   | 4    | Screw-HWH                  |
| 22  | 107-1001    | 1    | Cover-Belt                 |
| 23  | 701493      | 1    | Nut-Speed                  |
| 24  | 107-1016    | 1    | Cover-Extension, Belt      |
| 25  | 3242-4      | 2    | Screw-Set, SQH             |
| 26  | 62-1300     | 1    | Pulley-Impeller            |
| 27  | 252-80      | 1    | Washer-Thrust              |
| 28  | 3257-23     | 1    | Key-Woodruff               |

| Ref  | Part No.    | Qty. | Description            |
|------|-------------|------|------------------------|
| 29   | 26-6110     | 1    | Flange-Cup, Bearing    |
| 30   | 63-3450     | 1    | Bearing-Ball           |
| 31   | 26-6120     | 1    | Flange-Cup, Bearing    |
| 32   | 107-3823    | 1    | Housing-Auger, 28 Inch |
| 32:2 | 53-7670     | 1    | Decal-Warning, Auger   |
| 33   | 32144-70    | 4    | Screw-HWHTF            |
| 34   | 106-4588-01 | 2    | Skid                   |
| 35   | 52-2861     | 4    | Washer                 |
| 36   | 106-4573-01 | 1    | Scraper-Fixed          |
| 37   | 3230-16     | 4    | Screw-CARR             |
| 39   | 321-44      | 2    | Screw-HHF              |
| 40   | 106-7301-03 | 1    | LH Auger ASM           |
| 41   | 106-4570    | 2    | Auger-Bearing          |
| 42   | 3-0750      | 2    | Washer                 |
| 43   | 323-4       | 2    | Screw-HH               |
| 46   | 32144-14    | 6    | Screw-HWHTF            |
| 47   | 108-0039-03 | 1    | Seal                   |
| 48   | 1-633545    | 2    | Spacer                 |



## 28 Inch Auger Gearcase Assembly No. 108-7329

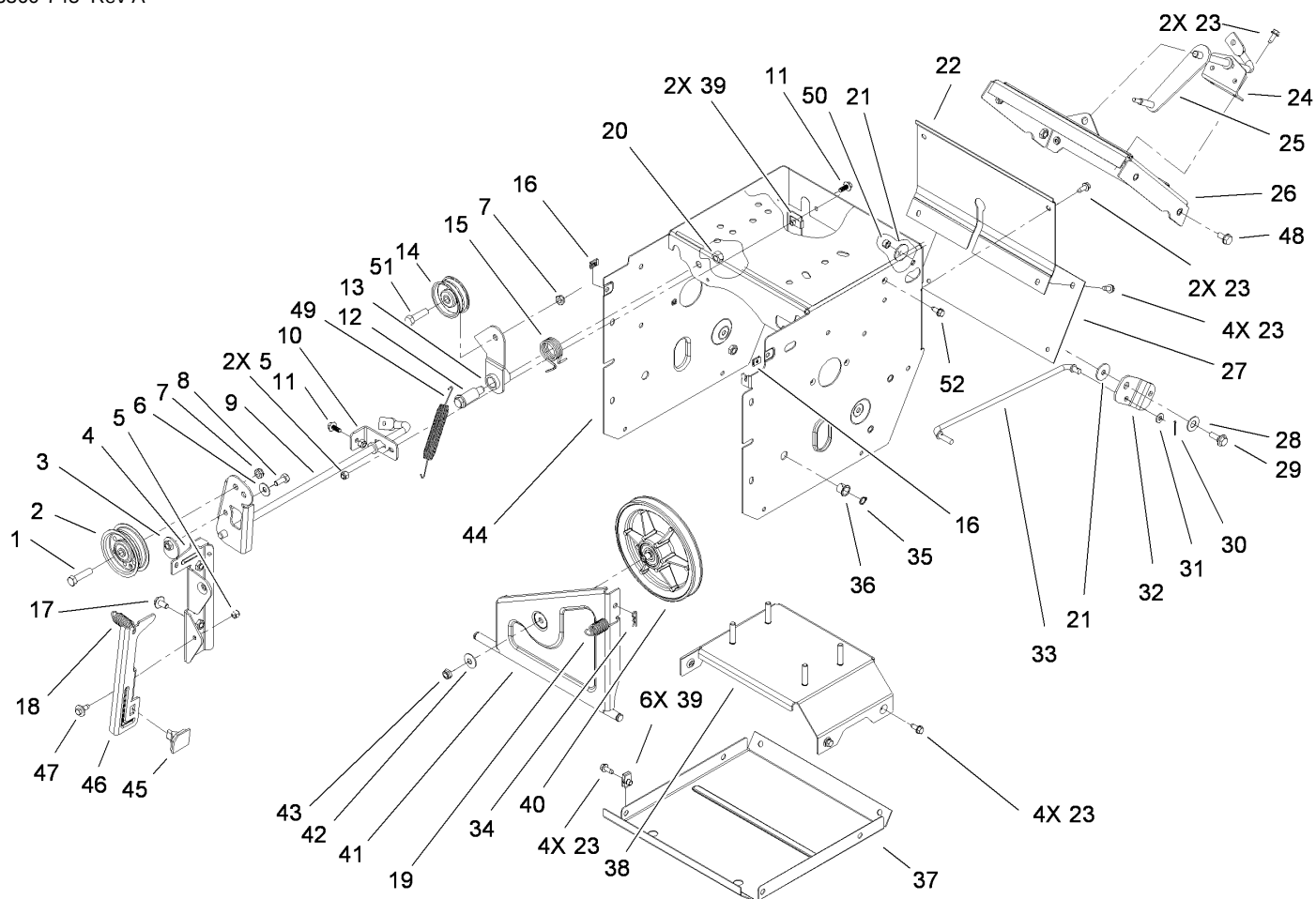
| Ref   | Part No. | Qty. | Description            |  |  |  |  |
|-------|----------|------|------------------------|--|--|--|--|
| 1     | 108-7325 | 1    | LH Auger Gearcase ASM  |  |  |  |  |
| 2:1:1 |          | 1    | Gearcase-Auger, LH     |  |  |  |  |
| 1:1:2 | 112-6635 | 1    | Bushing-Sleeve         |  |  |  |  |
| 1:1:3 | 7-0045   | 1    | Seal-Oil               |  |  |  |  |
| 2     | 108-7327 | 1    | RH Auger Gearcase ASM  |  |  |  |  |
| 2:2:1 |          | 1    | Gearcase-Auger, RH     |  |  |  |  |
| 2:1:2 | 112-6635 | 1    | Bushing-Sleeve         |  |  |  |  |
| 2:1:3 | 7-0045   | 1    | Seal-Oil               |  |  |  |  |
| 3     | 252-71   | 2    | Washer-Thrust          |  |  |  |  |
| 4     | 62-0120  | 1    | Gear-Helical           |  |  |  |  |
| 5     | 106-4421 | 1    | Shaft-Auger            |  |  |  |  |
| 6     | 3257-10  | 1    | Key-Woodruff           |  |  |  |  |
| 7     | 66-7811  | 1    | Shaft-Impeller         |  |  |  |  |
| 8     | 253-149  | 1    | Seal-Oil               |  |  |  |  |
| 9     | 37-6560  | 1    | Bushing-Input          |  |  |  |  |
| 10    | 62-1150  | 1    | Bushing-Worm           |  |  |  |  |
| 11    | 252-78   | 2    | Bearing-Thrust         |  |  |  |  |
| 12    | 252-76   | 1    | Bearing-Thrust         |  |  |  |  |
| 13    | 32151-33 | 1    | Ring-Retaining, EXT    |  |  |  |  |
| 14    | 108-4862 | 9    | Screw-HWHTF            |  |  |  |  |
| 15    | 281-1    | 1    | Plug-Pipe, SQH         |  |  |  |  |
| 16    | 108-7330 | 1    | Gasket-Gearcase, Auger |  |  |  |  |



## Chute Assembly

| Ref | Part No.    | Qty. | Description            |
|-----|-------------|------|------------------------|
| 1   | 112-6606    | 1    | Deflector-Chute        |
| 2   | 106-4594    | 1    | Spring-Torsion         |
| 3   | 46-8092     | 5    | Screw-Plastite         |
| 4   | 106-4472    | 1    | Gear-Chute             |
| 5   | 46-6810     | 3    | Screw And Washer ASM   |
| 6   | 100-9880    | 1    | Bolt-Shoulder          |
| 7   | 106-4585    | 1    | Cover-Gear, Chute      |
| 9   | 106-7296    | 1    | Bracket-Cable, Clamp   |
| 10  | 106-7297    | 1    | Clamp-Cable            |
| 11  | 106-4471    | 1    | Gear-Face              |
| 12  | 107-1021    | 1    | Rod-Deflector          |
| 14  | 98-1375     | 2    | Screw-HWH              |
| 15  | 106-7266    | 1    | Bracket-Deflector      |
| 16  | 106-4582-03 | 1    | Bracket-Support, Chute |
| 17  | 106-4422    | 1    | Spacer-Chute           |
| 18  | 3256-2      | 3    | Washer-Flat            |
| 19  | 3296-47     | 2    | Nut-Lock, NI           |
| 20  | 106-7276    | 3    | Screw-Shoulder         |
| 21  | 106-7257    | 1    | Mount-Gear, Face       |
| 22  | 63-2650     | 1    | Screw-Shoulder         |
| 23  | 106-4476    | 1    | Latch-Chute            |
| 24  | 106-7253-03 | 1    | Tube-Support           |
| 25  | 3256-22     | 3    | Washer-Flat            |
| 26  | 3296-42     | 3    | Nut-Lock, NI           |

| Ref | Part No. | Qty. | Description       |
|-----|----------|------|-------------------|
| 27  | 3296-29  | 2    | Nut-Lock, NI      |
| 28  | 106-7260 | 1    | Washer-Curved     |
| 29  | 3230-5   | 1    | Screw-CARR        |
| 30  | 3230-23  | 1    | Screw-CARR        |
| 31  | 46-8091  | 3    | Screw-HWH         |
| 32  | 105-9991 | 1    | Ring-Chute        |
| 33  | 106-4440 | 1    | Chute-Discharge   |
| 35  | 108-7315 | 1    | Spring-Torsion    |
| 36  | 108-5052 | 1    | Seal-Chute        |
| 37  | 3290-456 | 1    | Washer-Belleville |
| 38  | 32144-10 | 1    | Screw-HWH         |



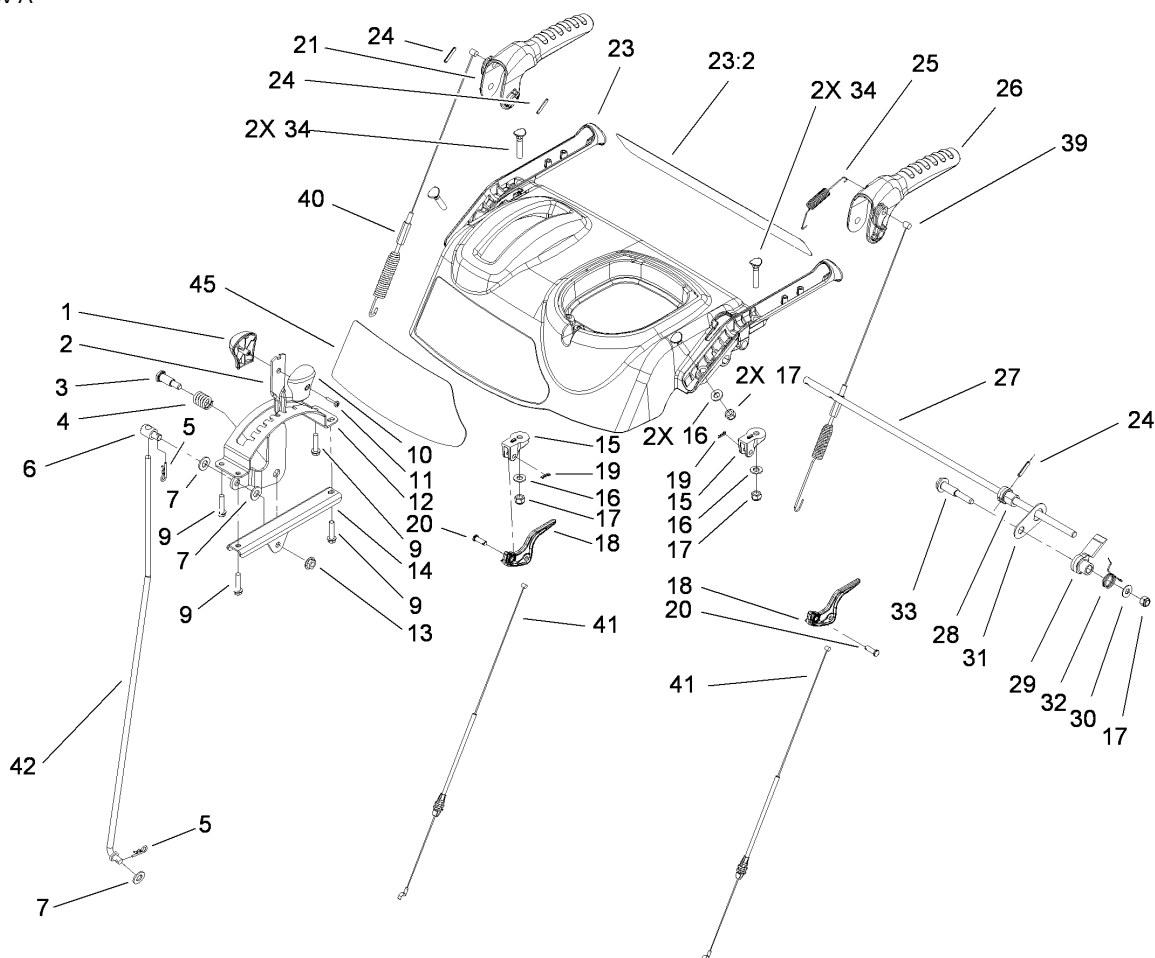
## Frame Assembly

| Ref | Part No.    | Qty. | Description             |
|-----|-------------|------|-------------------------|
| 1   | 323-8       | 1    | Screw-HH                |
| 2   | 92-7104     | 1    | Pulley-Idler            |
| 3   | 107-1047    | 1    | Nut                     |
| 4   | 107-1039    | 1    | Bracket-Idler, Impeller |
| 5   | 3296-42     | 3    | Nut-Lock, NI            |
| 6   | 3290-456    | 1    | Washer-Belleville       |
| 7   | 3296-59     | 2    | Nut-Lock, NI            |
| 8   | 322-3       | 1    | Screw-HH                |
| 9   | 107-3838-03 | 1    | Impeller Clutch ASM     |
| 10  | 106-7341    | 1    | Bracket-Rear, Clutch    |
| 11  | 99-6810     | 2    | Screw-HH                |
| 12  | 108-5056    | 1    | Bolt-Shoulder           |
| 13  | 108-5058    | 1    | Arm-Idler, Traction     |
| 14  | 3-4244      | 1    | Pulley-Idler            |
| 15  | 108-7332    | 1    | Spring-Torsion          |
| 16  | 107-1013    | 2    | Nut-Speed, U-Type       |
| 17  | 3234-7      | 2    | Screw-HHF               |
| 18  | 107-1045    | 1    | Spring-Extension        |
| 19  | 107-1003    | 1    | Spring-Extension        |
| 20  | 3296-76     | 1    | Nut-Lock, NI            |
| 21  | 5-4460      | 2    | Washer-Pivot            |
| 22  | 108-0022-01 | 1    | Cover-Upper             |
| 23  | 32144-10    | 16   | Screw-HWH               |
| 24  | 108-0036    | 1    | Bracket-Rod, Shift      |

| Ref | Part No.    | Qty. | Description                |
|-----|-------------|------|----------------------------|
| 25  | 106-7268    | 1    | Lever-Control, Traction    |
| 26  | 108-0026-01 | 1    | Shift Plate ASM            |
| 27  | 106-7345-01 | 1    | Cover-Lower                |
| 28  | 25-5640     | 1    | Washer                     |
| 29  | 27-0410     | 1    | Screw-Shoulder             |
| 30  | 3272-4      | 1    | Pin-Cotter                 |
| 31  | 3256-23     | 1    | Washer-Flat                |
| 32  | 107-1011    | 1    | Bellcrank-Drive            |
| 33  | 106-4467    | 1    | Link-Control, Speed        |
| 34  | 3290-307    | 1    | Pin-Hair                   |
| 35  | 32151-61    | 2    | Ring-Retaining             |
| 36  | 256-257     | 2    | Bushing-Nyliner            |
| 37  | 106-7330-01 | 1    | Pan-Bottom                 |
| 38  | 106-7315    | 1    | Brace Frame ASM            |
| 39  | 107069      | 8    | Clip                       |
| 40  | 108-0031    | 1    | Traction Pulley ASM        |
| 41  | 108-7307    | 1    | Friction Wheel Bracket ASM |
| 42  | 3290-340    | 1    | Washer-Belleville          |
| 43  | 3296-5      | 1    | Nut-Lock                   |
| 44  | 114-9259-01 | 1    | Traction Frame ASM         |
| 45  | 66-8060     | 1    | Pad-Brake                  |
| 46  | 107-1000    | 1    | Arm-Brake                  |
| 47  | 92-9698     | 1    | Screw-Shoulder             |
| 48  | 32144-14    | 4    | Screw-HWHTF                |



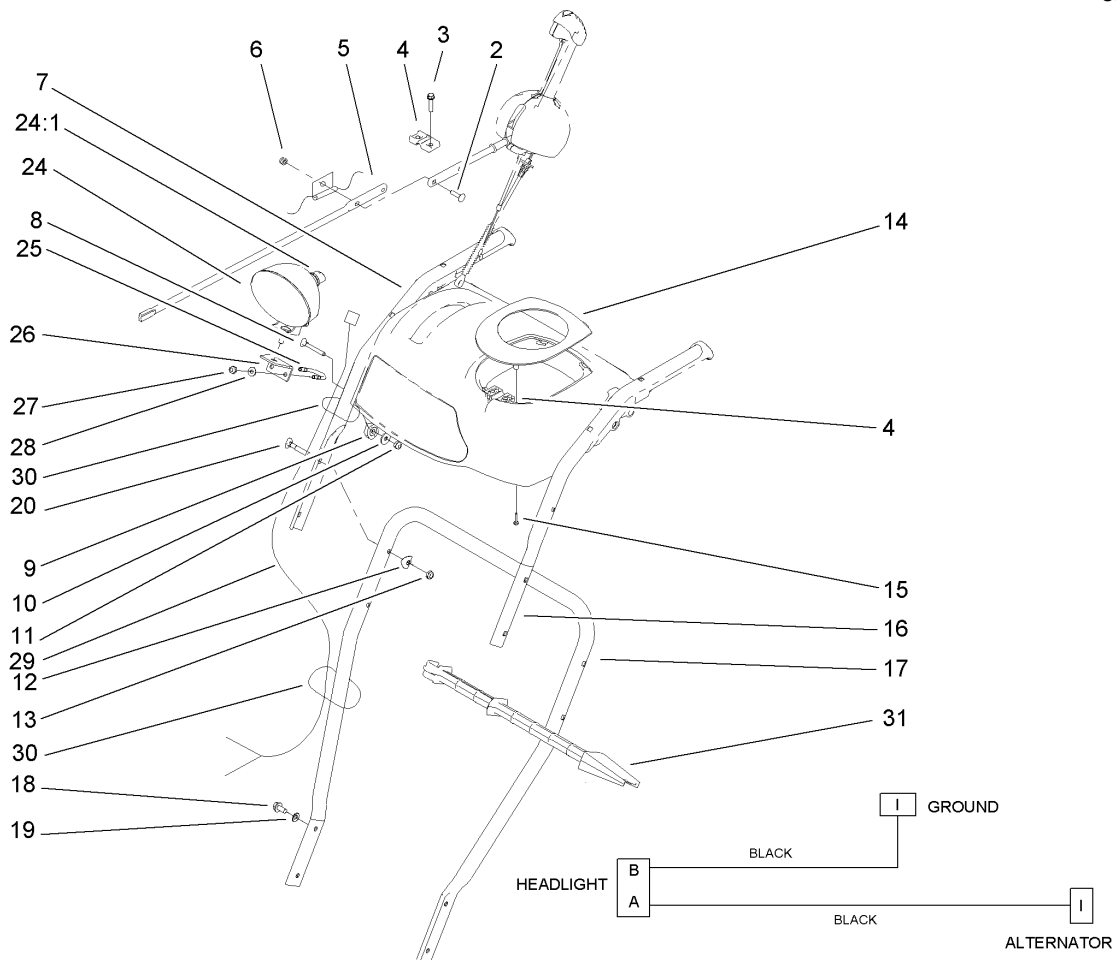
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## Handle Assembly

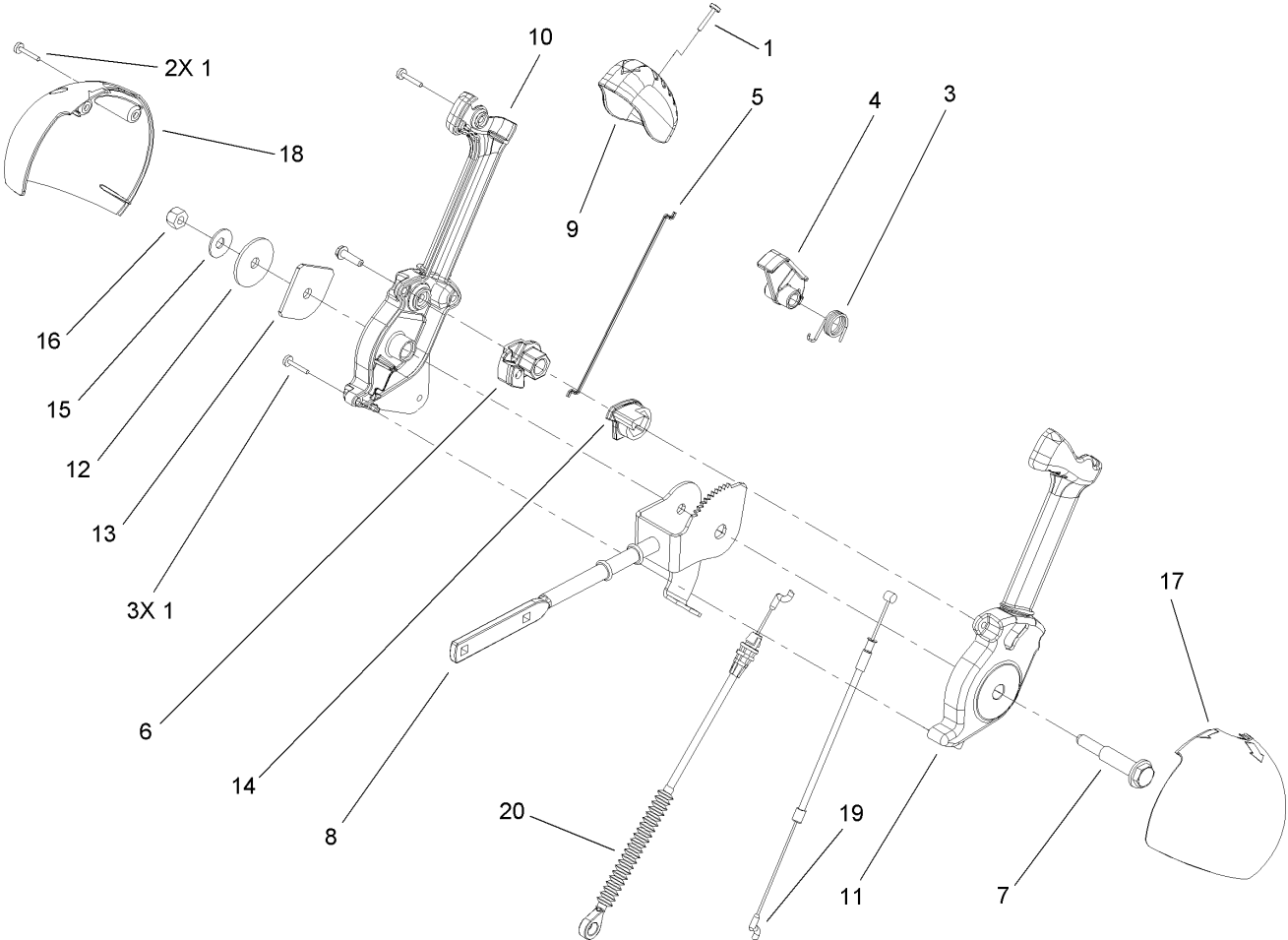
| Ref  | Part No.    | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 106-4423    | 1    | Knob-Shift, RH            |
| 2    | 106-7278-03 | 1    | Selector-Speed            |
| 3    | 63-2650     | 1    | Screw-Shoulder            |
| 4    | 108-7313    | 1    | Spring-Compression        |
| 5    | 3290-307    | 2    | Pin-Hair                  |
| 6    | 110-3446    | 1    | Trunion-Rod               |
| 7    | 3256-24     | 3    | Washer-Flat               |
| 9    | 46-8092     | 4    | Screw-Plastite            |
| 10   | 105-9999    | 1    | Knob-Shift, LH            |
| 11   | 94-4496     | 1    | Screw-PPH                 |
| 12   | 106-7277-03 | 1    | Guide-Selector, Speed     |
| 13   | 32128-13    | 1    | Nut-HF                    |
| 14   | 106-7279-03 | 1    | Mount-Selector, Speed     |
| 15   | 105-9980    | 2    | Mount-Clutch, Lever       |
| 16   | 3256-70     | 4    | Washer-Flat               |
| 17   | 3296-72     | 5    | Nut-Lock, NI              |
| 18   | 106-4505    | 2    | Lever-Clutch              |
| 19   | 108-2992    | 2    | Pin-Hair                  |
| 20   | 1-808265    | 2    | Pin-Clevis                |
| 21   | 106-4413    | 1    | Lever-Auger               |
| 23   | 112-6632    | 1    | Control Panel ASM         |
| 23:2 | 112-6622    | 1    | Decal-Control Panel, Back |
| 24   | 32121-125   | 3    | Pin-Spring                |
| 25   | 107-3001    | 1    | Spring-Tension            |

| Ref | Part No. | Qty. | Description          |
|-----|----------|------|----------------------|
| 26  | 106-4410 | 1    | Lever-Traction       |
| 27  | 105-9996 | 1    | Rod-Lockout          |
| 28  | 107-1043 | 1    | Cam-Lockout          |
| 29  | 108-0023 | 1    | Latch-Lockout        |
| 30  | 98-3499  | 1    | Washer-Flat          |
| 31  | 107-3000 | 1    | Link-Lockout         |
| 32  | 108-0024 | 1    | Spring-Torsion       |
| 33  | 106-4412 | 1    | Screw-Shoulder       |
| 34  | 107-3018 | 4    | Screw-Handle         |
| 39  | 115-5671 | 1    | Cable-Traction       |
| 40  | 115-5680 | 1    | Cable-Auger          |
| 41  | 107-8896 | 2    | Cable-Clutch         |
| 42  | 107-1005 | 1    | Rod-Shift            |
| 45  | 108-2963 | 1    | Decal-Panel, Control |



## Handle and Control Assembly

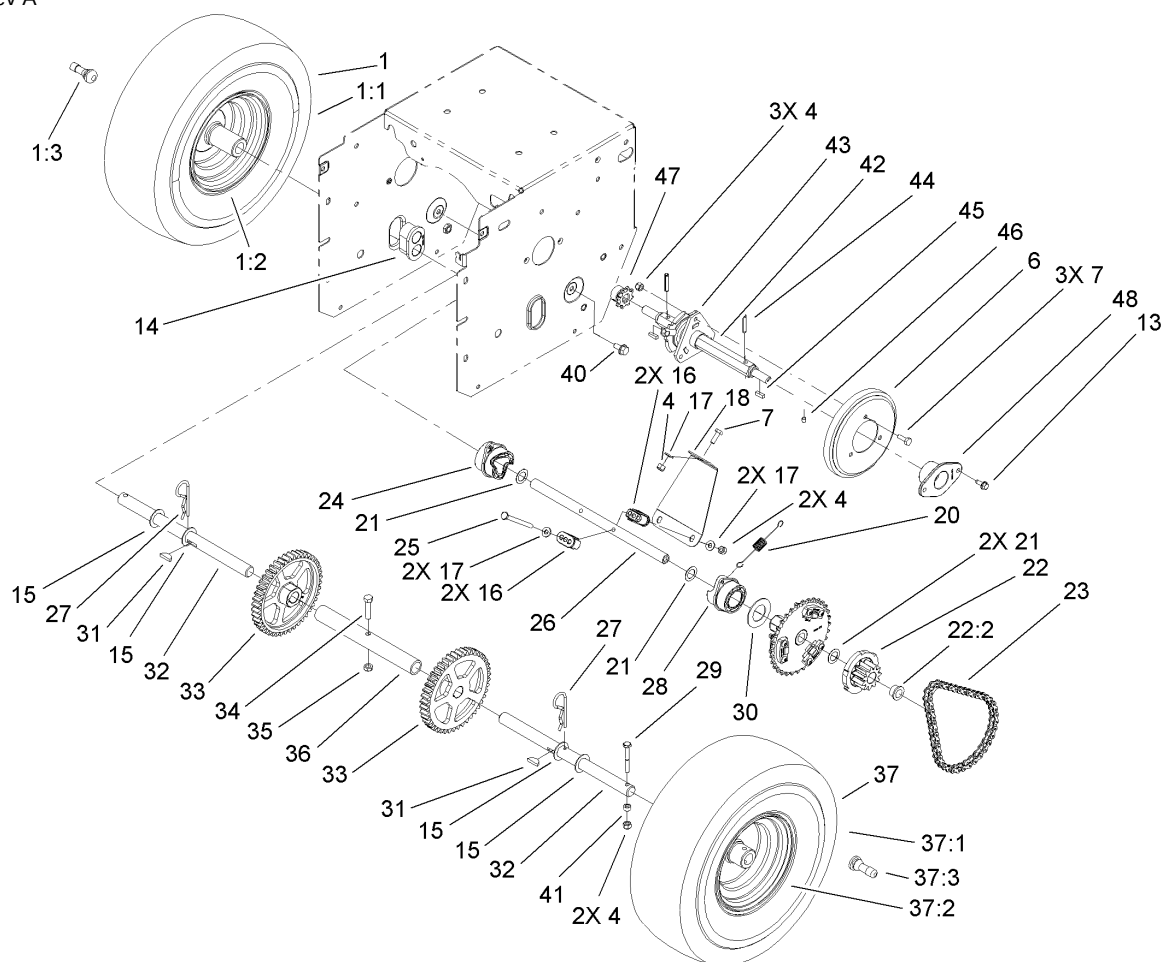
| Ref  | Part No.    | Qty. | Description          | Ref | Part No. | Qty. | Description    |
|------|-------------|------|----------------------|-----|----------|------|----------------|
| 2    | 3229-30     | 2    | Screw-CARR           | 28  | 3256-1   | 2    | Washer-Flat    |
| 3    | 46-8092     | 2    | Screw-Plastite       | 29  | 106-4511 | 1    | Harness-Wire   |
| 4    | 105-9987    | 2    | Support-Rod          | 30  | 614249   | 2    | Strap-Tie      |
| 5    | 106-7283    | 1    | Rod-Chute, Front     | 31  | 110-3408 | 1    | Stick-Cleanout |
| 6    | 3296-73     | 2    | Nut-Lock, NI         |     |          |      |                |
| 7    | 108-0038-03 | 1    | Handle-Upper, RH     |     |          |      |                |
| 8    | 95-4453     | 2    | Screw                |     |          |      |                |
| 9    | 106-4509    | 2    | Clamp-Cable          |     |          |      |                |
| 10   | 87-6630     | 2    | Washer-Plain         |     |          |      |                |
| 11   | 3296-73     | 2    | Nut-Lock, NI         |     |          |      |                |
| 12   | 107-3844    | 4    | Washer               |     |          |      |                |
| 13   | 3296-72     | 4    | Nut-Lock, NI         |     |          |      |                |
| 14   | 106-4586    | 1    | Cover-Panel, Control |     |          |      |                |
| 15   | 94-4496     | 2    | Screw-PPH            |     |          |      |                |
| 16   | 108-0037-03 | 1    | Handle-Upper, LH     |     |          |      |                |
| 17   | 105-9981-03 | 1    | Handle-Lower         |     |          |      |                |
| 18   | 32144-14    | 4    | Screw-HWHTF          |     |          |      |                |
| 19   | 3290-475    | 4    | Washer-Belleville    |     |          |      |                |
| 20   | 92-2260     | 4    | Screw-Handle         |     |          |      |                |
| 24   | 106-4510    | 1    | Headlamp ASM         |     |          |      |                |
| 24:1 | 108-0008    | 1    | Lamp-12 Volt         |     |          |      |                |
| 25   | 107-3024    | 1    | Clamp                |     |          |      |                |
| 26   | 107-1020-03 | 1    | Bracket-Light        |     |          |      |                |
| 27   | 3296-73     | 2    | Nut-Lock, NI         |     |          |      |                |



# Lever Chute Control Assembly

| Ref | Part No. | Qty. | Description              |  |  |  |  |
|-----|----------|------|--------------------------|--|--|--|--|
| 1   | 94-4496  | 6    | Screw-PPH                |  |  |  |  |
| 3   | 105-9982 | 1    | Spring-Torsion           |  |  |  |  |
| 4   | 105-9984 | 1    | Trigger-Latch            |  |  |  |  |
| 5   | 105-9985 | 1    | Link-Latch               |  |  |  |  |
| 6   | 105-9988 | 1    | Lever-Cable, Deflector   |  |  |  |  |
| 7   | 105-9995 | 1    | Screw-Shoulder           |  |  |  |  |
| 8   | 106-4479 | 1    | Rod-Control, Chute       |  |  |  |  |
| 9   | 106-7280 | 1    | Cap-Lever                |  |  |  |  |
| 10  | 106-7281 | 1    | Lever-Chute Control, RH  |  |  |  |  |
| 11  | 106-7282 | 1    | Lever-Chute Control, LH  |  |  |  |  |
| 12  | 107-3002 | 1    | Washer-Nylon             |  |  |  |  |
| 13  | 106-7295 | 1    | Plate-Friction           |  |  |  |  |
| 14  | 106-7310 | 1    | Pawl-Latch               |  |  |  |  |
| 15  | 3290-456 | 1    | Washer-Belleville        |  |  |  |  |
| 16  | 3296-29  | 1    | Nut-Lock, NI             |  |  |  |  |
| 17  | 105-9986 | 1    | Cover-Chute Lever, LH    |  |  |  |  |
| 18  | 106-7292 | 1    | Cover-Chute Lever, RH    |  |  |  |  |
| 19  | 105-9989 | 1    | Cable-Release, Chute     |  |  |  |  |
| 20  | 105-9990 | 1    | Cable-Control, Deflector |  |  |  |  |





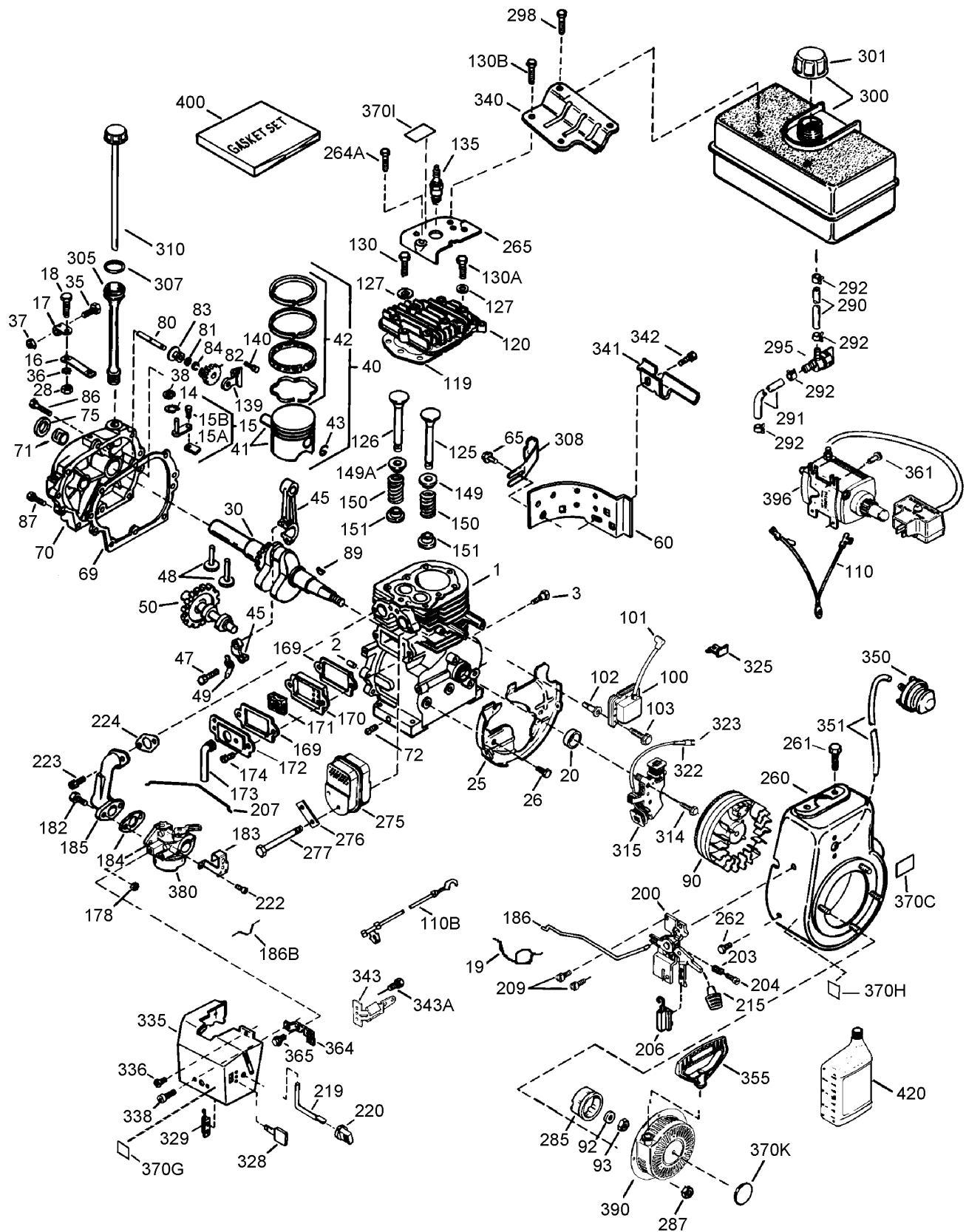
## Wheel Clutch Assembly

| Ref  | Part No.    | Qty. | Description           | Ref  | Part No. | Qty. | Description           |
|------|-------------|------|-----------------------|------|----------|------|-----------------------|
| ② 1  |             | 1    | RH Wheel And Tire ASM | 29   | 108-2975 | 2    | Screw-HH              |
| 1:1  | 107-3042    | 1    | Tire                  | 30   | 107-8891 | 2    | Washer-Thrust         |
| 1:2  | 107-3043    | 1    | Rim-Tire              | 31   | 3257-7   | 2    | Key-Woodruff          |
| 1:3  | 232-27      | 1    | Stem-Valve            | 32   | 107-8898 | 2    | Shaft-Axle            |
| 4    | 3296-42     | 8    | Nut-Lock, NI          | 33   | 106-4572 | 2    | Gear-Axle, 44 Tooth   |
| 6    | 106-4480    | 1    | Wheel-Friction        | 34   | 322-17   | 1    | Screw-HH              |
| 7    | 321-4       | 4    | Screw-HH              | 35   | 3296-47  | 1    | Nut-Lock, NI          |
| 13   | 32144-10    | 4    | Screw-HWH             | 36   | 106-7259 | 1    | Tube-Axle             |
| 14   | 106-4558    | 2    | Bearing-Axle          | ③ 37 |          | 1    | LH Wheel And Tire ASM |
| 15   | 3-8664      | 4    | Washer-Thrust         | 37:1 | 107-3042 | 1    | Tire                  |
| 16   | 107-8889    | 4    | Guide-Collar          | 37:2 | 107-3043 | 1    | Rim-Tire              |
| 17   | 3256-22     | 5    | Washer-Flat           | 37:3 | 232-27   | 1    | Stem-Valve            |
| 18   | 107-8892-03 | 1    | Brace-Collar, Shift   | 40   | 32144-14 | 2    | Screw-HWHTF           |
| 20   | 107-8893    | 2    | Spring-Extension      | 41   | 55-9370  | 2    | Spacer-Blade, Rotor   |
| 21   | 108-0015    | 4    | Washer-Flat           | 42   | 108-7314 | 1    | Shaft-Hex             |
| 22   | 107-8894    | 2    | 11T Gear ASM          | 43   | 106-4434 | 1    | Trunion-Hex           |
| 22:2 | 108-2973    | 2    | Bushing-Flange        | 44   | 32121-9  | 2    | Pin-Roll, Slotted     |
| 23   | 108-0016    | 2    | Chain-Roller          | 45   | 94-8850  | 2    | Key-Square            |
| 23   | 2710-6      | 2    | Link-Connecting       | 46   | 3245-32  | 4    | Screw-HSH             |
| 24   | 107-8888    | 1    | Collar-Shift, RH      | 47   | 106-7317 | 2    | Sprocket-8 Tooth      |
| 25   | 321-23      | 2    | Screw-HH              | 48   | 108-7319 | 2    | Retainer-Bearing      |
| 26   | 107-8883    | 1    | Shaft-Intermediate    |      |          |      |                       |
| 27   | 3290-343    | 2    | Pin-Hair              |      |          |      |                       |
| 28   | 107-8887    | 1    | Collar-Shift, LH      |      |          |      |                       |



# Engine Assembly No. 1

## Tecumseh LH318SA-156563H



# Engine Assembly No. 1

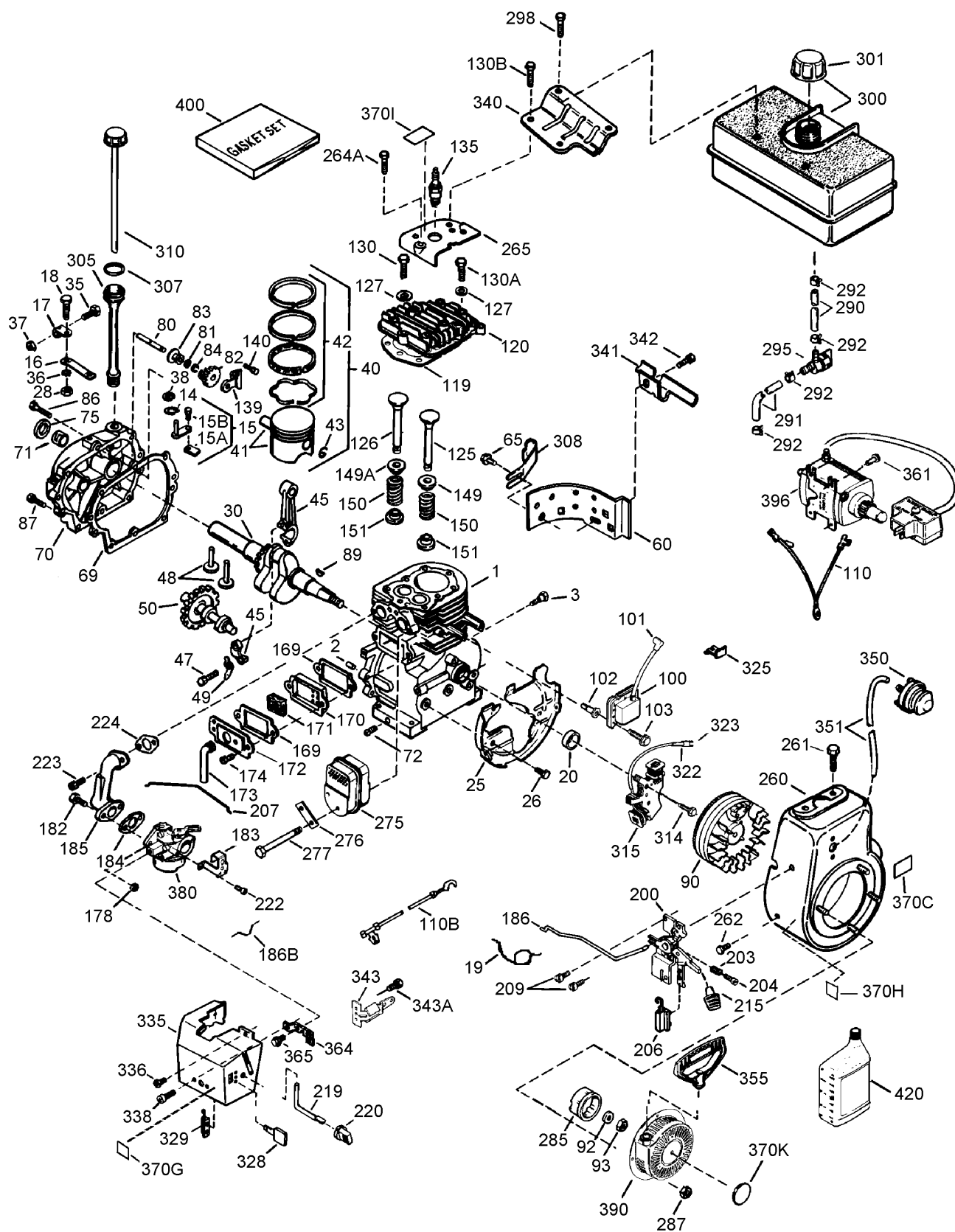
## Tecumseh LH318SA-156563H

| Ref  | Part No. | Qty. | Description                                  | Ref   | Part No. | Qty. | Description                              |
|------|----------|------|----------------------------------------------|-------|----------|------|------------------------------------------|
| ❶1   | 35385    | 1    | Cylinder ASM (Includes 2, 20, 72)            | ❶90   | 611093   | 1    | Flywheel ASM                             |
| ❶2   | 27652    | 2    | Pin-Dowel                                    | ❶92   | 650880   | 1    | Washer-Belleville                        |
| ❶3   | 650820   | 2    | Screw (1/4-20X1/2)                           | ❶93   | 650881   | 1    | Nut-Flywheel                             |
| ❶14  | 28277    | 1    | Washer-Flat                                  | ❶100  | 35135A   | 1    | Ignition-State, Solid (Includes 101)     |
| ❶15  | 30699C   | 1    | Rod-Governor (Includes 15A, 15B)             | ❶101  | 610118   | 1    | Cover-Spark Plug                         |
| ❶15A | 30700    | 1    | Yoke-Governor                                | ❶102  | 651024   | 2    | Stud-Mounting, Solid State               |
| ❶15B | 650494   | 1    | Screw (6-40X5/16)                            | ❶103  | 651007   | 2    | Screw (T-15, 10-24 X 15/16)              |
| ❶16  | 33454A   | 1    | Lever-Governor                               | ❶110  | 35187    | 1    | Wire-Ground                              |
| ❶17  | 29916    | 1    | Clamp-Lever, Governor                        | ❶110B | 37047    | 1    | Wire-Ground                              |
| ❶18  | 651028   | 1    | Screw (T-15, 8-32X7/16)                      | ❶119  | 36448    | 1    | Gasket-Head, Cylinder                    |
| ❶19  | 34663    | 1    | Spring-Throttle                              | ❶120  | 36449    | 1    | Head-Cylinder                            |
| ❶20  | 35319    | 1    | Seal-Oil                                     | ❶125  | 27878A   | 1    | Valve-Exhaust (STD) (Includes 151)       |
| ❶25  | 37853    | 1    | Baffle-Housing, Blower                       | ❶125  | 27880A   | 1    | Valve-Exhaust (1/32In Os) (Includes 151) |
| ❶26  | 650561   | 2    | Screw (1/4-20X19/32)                         | ❶126  | 34035    | 1    | Valve-Intake (STD.) (Includes 151)       |
| ❶28  | 30322    | 1    | Nut-Lock (8-32)                              | ❶127  | 650691   | 2    | Washer-Flat                              |
| ❶30  | 35571A   | 1    | Crankshaft                                   | ❶130  | 6021A    | 7    | Screw (5/16-18X1-1/2)                    |
| ❶35  | 29826    | 1    | Screw (10-32X3/4)                            | ❶130A | 650727   | 2    | Screw (5/16-18X1-25/32)                  |
| ❶36  | 29918    | 1    | Washer-Lock (8)                              | ❶130B | 651055   | 2    | Screw (5/16-18X39/64)                    |
| ❶37  | 29216    | 1    | Nut-Lock (10-32)                             | ❶135  | 35395    | 1    | Spark Plug-Resistor (R J19 L M)          |
| ❶38  | 29642    | 1    | Ring-Retaining                               | ❶139  | 33369    | 1    | Bracket-Gear, Governor                   |
| ❶40  | 40011    | 1    | Piston-Pin And Ring Set (STD)                | ❶140  | 650836   | 2    | Screw (10-24X1/2)                        |
| ❶40  | 40012    | 1    | Piston- Pin And Ring Set (.010 O S)          | ❶149  | 27882    | 1    | Cap-Spring, Valve                        |
| ❶41  | 40009    | 1    | Piston And Pin ASM (STD) (Includes 43)       | ❶149A | 35862    | 1    | Cap-Spring, Valve                        |
| ❶41  | 40010    | 1    | Piston And Pin ASM (.010In Os) (Includes 43) | ❶150  | 27881    | 2    | Spring-Valve                             |
| ❶42  | 40013    | 1    | Ring Set (STD)                               | ❶151  | 32581    | 2    | Keeper-Spring, Valve                     |
| ❶42  | 40014    | 1    | Ring Set (.010 O S)                          | ❶169  | 27896A   | 2    | Gasket-Cover, Valve                      |
| ❶43  | 27888    | 2    | Ring-Retaining, Piston Pin                   | ❶170  | 28423    | 1    | Body-Breather                            |
| ❶45  | 36897    | 1    | Connecting Rod ASM (Includes 47, 49)         | ❶171  | 28424    | 1    | Element-Breather                         |
| ❶47  | 651033   | 2    | Bolt-Rod, Connecting                         | ❶172  | 28425    | 1    | Cover-Valve                              |
| ❶48  | 34034    | 2    | Lifter-Valve                                 | ❶173  | 35350    | 1    | Tube-Breather                            |
| ❶49  | 36896    | 1    | Dipper-Oil                                   | ❶174  | 650128   | 2    | Screw (10-24X1/2)                        |
| ❶50  | 35375    | 1    | Camshaft (Mcr)                               | ❶178  | 29752    | 2    | Nut And Lock Washer (1/4-28)             |
| ❶60  | 33273A   | 1    | Extension-Housing, Blower                    |       |          |      |                                          |
| ❶65  | 650128   | 1    | Screw (10-24X1/2)                            |       |          |      |                                          |
| ❶69  | 37342    | 1    | Gasket-Cover, Cylinder                       |       |          |      |                                          |
| ❶70  | 37847    | 1    | Cover-Cylinder (Includes 71, 75, 80-84)      |       |          |      |                                          |
| ❶71  | 35377    | 1    | Bushing-Crankshaft                           |       |          |      |                                          |
| ❶72  | 27642    | 1    | Plug-Drain, Oil (SQH 1/4-18)                 |       |          |      |                                          |
| ❶75  | 35319    | 1    | Seal-Oil                                     |       |          |      |                                          |
| ❶80  | 37587    | 1    | Shaft-Governor                               |       |          |      |                                          |
| ❶81  | 651080   | 1    | Washer                                       |       |          |      |                                          |
| ❶82  | 37588    | 1    | Governor Gear ASM (Includes 81)              |       |          |      |                                          |
| ❶83  | 30588A   | 1    | Spool-Governor                               |       |          |      |                                          |
| ❶84  | 29193    | 1    | Ring-Retaining                               |       |          |      |                                          |
| ❶86  | 650833   | 7    | Screw (1/4-20X1-3/16)                        |       |          |      |                                          |
| ❶87  | 650832   | 1    | Screw (1/4-20X1-11/16)                       |       |          |      |                                          |
| ❶89  | 32589    | 1    | Key-Flywheel                                 |       |          |      |                                          |

# Engine Assembly No. 2

## Tecumseh LH318SA-156563H

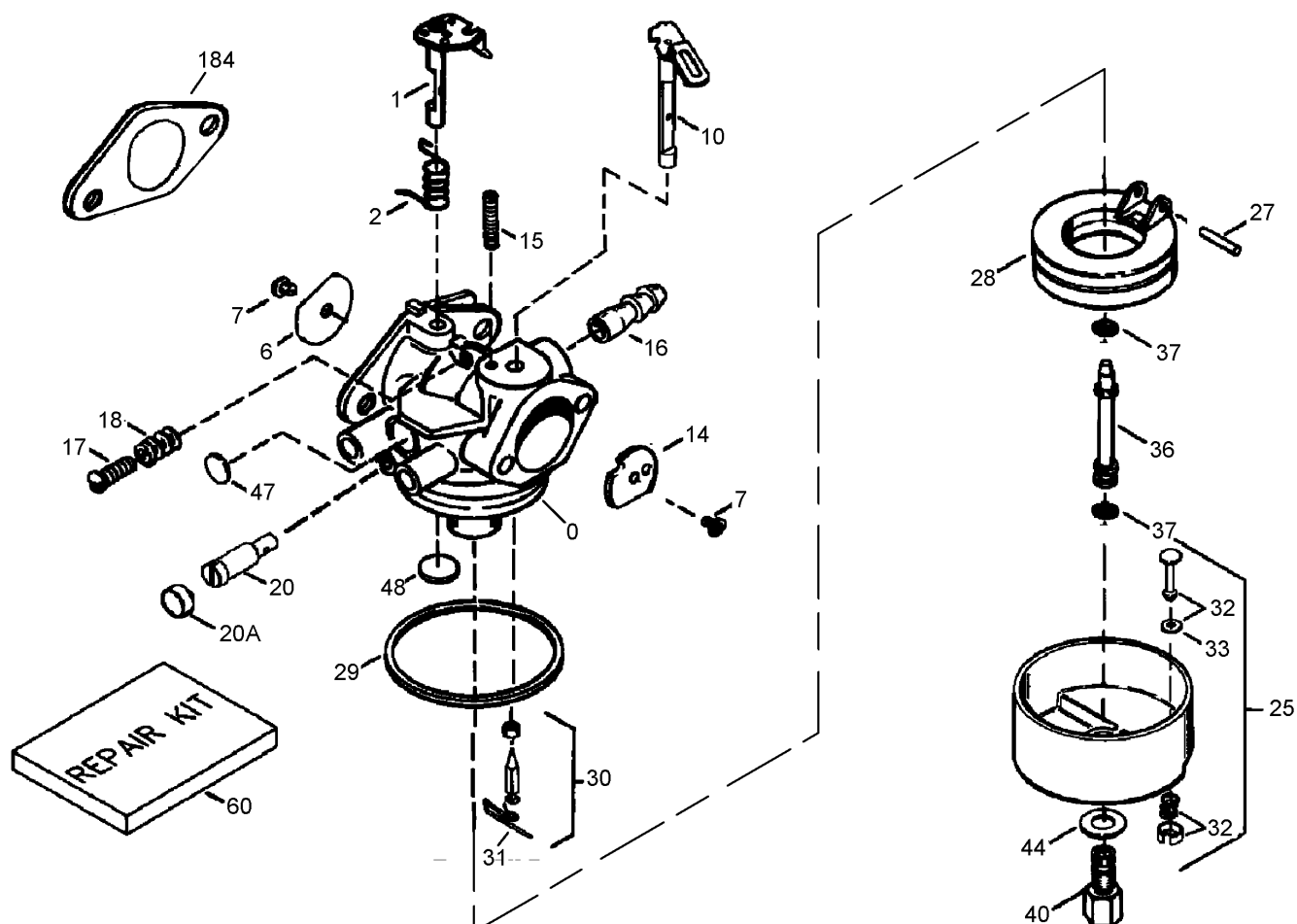
# Tecumseh LH318SA-156563H



## Engine Assembly No. 2

### Tecumseh LH318SA-156563H

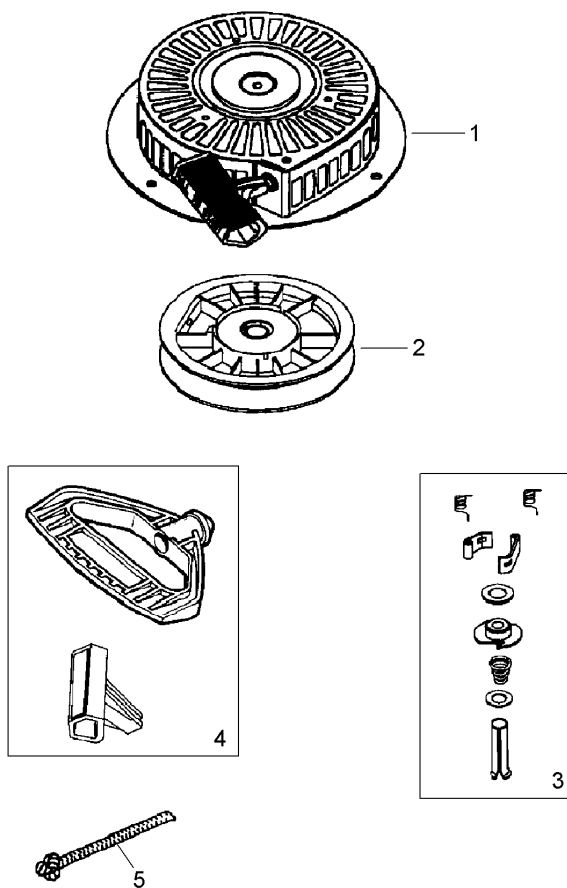
| Ref   | Part No. | Qty. | Description                                  | Ref   | Part No. | Qty. | Description                                                                  |
|-------|----------|------|----------------------------------------------|-------|----------|------|------------------------------------------------------------------------------|
| ③182  | 30088A   | 2    | Screw (1/4-28X1)                             | ③340  | 34154    | 1    | Bracket-Tank, Fuel (Black)                                                   |
| ③183  | 34587A   | 1    | Bracket-Choke                                | ③341  | 34155    | 1    | Bracket-Tank, Fuel                                                           |
| ③184  | 33263    | 1    | Gasket-Carburetor To Intake Pipe             | ③342  | 650561   | 1    | Screw (1/4-20X19/32)                                                         |
| ③185  | 33877    | 1    | Pipe-Intake                                  | ③343  | 35079A   | 1    | Bracket-Switch, Key (Includes 343A)                                          |
| ③186  | 34667    | 1    | Link-Governor                                | ③343A | 651060   | 1    | Screw (8-32 X 23/64)                                                         |
| ③186B | 36652    | 1    | Spring-Choke                                 | ③350  | 570682A  | 1    | Primer ASM                                                                   |
| ③200  | 34677    | 1    | Bracket-Control (Includes 19, 203, 204, 206) | ③351  | 32180C   | 1    | Line-Primer (12 Inches)                                                      |
| ③203  | 31342    | 1    | Spring-Compression                           | ③355  | 590574   | 1    | Handle-Starter, Mitten Grip                                                  |
| ③204  | 651029   | 1    | Screw (T-10, 5-40X7/16)                      | ③361  | 650990   | 2    | Screw (T-30, 1/4-20X15/32)                                                   |
| ③206  | 610973   | 1    | Terminal                                     | ③364  | 37659    | 1    | Bracket-Cover, Carburetor                                                    |
| ③207  | 33878    | 1    | Link-Throttle                                | ③365  | 650767   | 2    | Screw (8-32X27/64)                                                           |
| ③209  | 650821   | 2    | Screw (10-32 X 1/2)                          | ③370C | 36501    | 1    | Decal-Primer, International Symbol                                           |
| ③215  | 35440    | 1    | Knob-Control                                 | ③370G | 36534    | 1    | Decal-Instruction                                                            |
| ③219  | 34586    | 1    | Rod-Choke                                    | ③370H | 35077    | 1    | Decal-Speed Control And Choke                                                |
| ③220  | 35438    | 1    | Knob-Control                                 | ③370I | 37119    | 1    | Decal-Warning (Bilingual)                                                    |
| ③222  | 28820    | 2    | Screw (10-32 X 1/2)                          | ③370K | 36695    | 1    | Decal-Tecumseh Logo For Top Of Recoil Starter                                |
| ③223  | 650378   | 2    | Screw (T-30, 5/16-18X1-3/32)                 | ③380  | 640349   | 1    | Carburetor ASM (Includes 184)                                                |
| ③224  | 27915A   | 1    | Gasket-Pipe, Intake                          | ③390  | 590749   | 1    | Starter-Rewind (Note: This Engine Could Have Been Built With Starter 590733) |
| ③260  | 35447A   | 1    | Housing-Blower                               | ③396  | 33329D   | 1    | Starter-Electric (110 Volt)                                                  |
| ③261  | 650788   | 2    | Screw (5/16-18X3/4)                          | ③400  | 36450C   | 1    | Gasket Set (Includes 69, 119, 169, 184, 224)                                 |
| ③262  | 651084   | 2    | Screw (5/16-18X9/16)                         | ③420  | 730226A  | 1    | Oil-Engine, S A E 5W30                                                       |
| ③264A | 650802   | 1    | Screw (1/2-20X5/8)                           | ①③    | 756320C  | 1    | Shortblock                                                                   |
| ③265  | 33272D   | 1    | Cover-Head, Cylinder (Black)                 |       |          |      |                                                                              |
| ③275  | 35056    | 1    | Muffler                                      |       |          |      |                                                                              |
| ③276  | 31588    | 1    | Plate-Locking                                |       |          |      |                                                                              |
| ③277  | 651002   | 2    | Screw (5/16-18X4-3/16)                       |       |          |      |                                                                              |
| ③285  | 35985C   | 1    | Cup-Starter                                  |       |          |      |                                                                              |
| ③287  | 29752    | 4    | Nut And Lock Washer (1/4-28)                 |       |          |      |                                                                              |
| ③290  | 29774    | 1    | Line-Fuel (8.62)                             |       |          |      |                                                                              |
| ③291  | 30705    | 1    | Line-Fuel                                    |       |          |      |                                                                              |
| ③292  | 26460    | 4    | Clamp-Line, Fuel                             |       |          |      |                                                                              |
| ③295  | 35857    | 1    | Valve-Shut Off, Fuel (Includes 292)          |       |          |      |                                                                              |
| ③298  | 650665   | 2    | Screw (1/4-15X7/8)                           |       |          |      |                                                                              |
| ③300  | 34156A   | 1    | Tank-Fuel (Includes 292, 301)                |       |          |      |                                                                              |
| ③301  | 37844    | 1    | Cap-Fuel (Black) (1-1/2 I D)                 |       |          |      |                                                                              |
| ③305  | 36877    | 1    | Tube-Fill, Oil                               |       |          |      |                                                                              |
| ③307  | 35499    | 1    | O-Ring                                       |       |          |      |                                                                              |
| ③308  | 35539    | 1    | Clip-Tube, Fill                              |       |          |      |                                                                              |
| ③310  | 37869    | 1    | Dipstick                                     |       |          |      |                                                                              |
| ③314  | 650873   | 1    | Screw (1/4-20 X 3/4)                         |       |          |      |                                                                              |
| ③315  | 611111   | 1    | Coil-Alternator, 18 Watt (Includes 322, 323) |       |          |      |                                                                              |
| ③322  | 611117   | 1    | Body-Connector                               |       |          |      |                                                                              |
| ③323  | 611118   | 1    | Terminal                                     |       |          |      |                                                                              |
| ③325  | 29443    | 1    | Clip-Wire                                    |       |          |      |                                                                              |
| ③328  | 35062    | 2    | Key-Ignition                                 |       |          |      |                                                                              |
| ③329  | 610973   | 1    | Terminal                                     |       |          |      |                                                                              |
| ③335  | 36547    | 1    | Cover-Carburetor (Black)                     |       |          |      |                                                                              |
| ③336  | 650765   | 1    | Screw (10-32X1/2)                            |       |          |      |                                                                              |
| ③338  | 28942    | 2    | Screw (10-32 X 3/8)                          |       |          |      |                                                                              |



## Carburetor Assembly Tecumseh LH318SA-156563H

| Ref | Part No. | Qty. | Description                                    |
|-----|----------|------|------------------------------------------------|
| 0   | 640349   | 1    | Carburetor ASM (Includes 184)                  |
| 1   | 631776A  | 1    | Throttle Shaft And Lever ASM                   |
| 2   | 631970   | 1    | Spring-Return, Throttle                        |
| 6   | 640109   | 1    | Shutter-Throttle                               |
| 7   | 650506   | 2    | Screw-Shutter                                  |
| 10  | 632112   | 1    | Choke Shaft And Lever ASM                      |
| 14  | 632174   | 1    | Shutter-Choke                                  |
| 15  | 630735   | 1    | Spring-Positioning, Choke                      |
| 16  | 632164   | 1    | Fitting-Fuel                                   |
| 17  | 651025   | 1    | Screw-Throttle Crack And Idle Speed            |
| 18  | 630766   | 1    | Spring-Tension                                 |
| 20  | 640027   | 1    | Screw-Restrictor, Idle                         |
| 20A | 640200   | 1    | Cap-Screw, Restrictor Idle                     |
| 25  | 631951   | 1    | Float Bowl ASM (Includes 32-33)                |
| 27  | 631024   | 1    | Shaft-Float                                    |
| 28  | 632802   | 1    | Float (Plastic)                                |
| 29  | 631028   | 1    | O Ring-Bowl, Float                             |
| 30  | 631021A  | 1    | Inlet Needle, Seat, And Clip ASM (Includes 31) |
| 31  | 631022   | 1    | Clip-Spring                                    |
| 32  | 27136A   | 1    | Bowl Drain ASM                                 |
| 33  | 27554    | 1    | Gasket-Plunger, Drain                          |
| 36  | 640113   | 1    | Tube-Nozzle                                    |

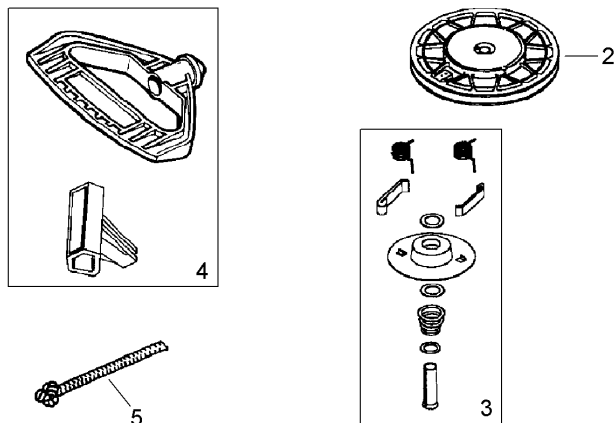
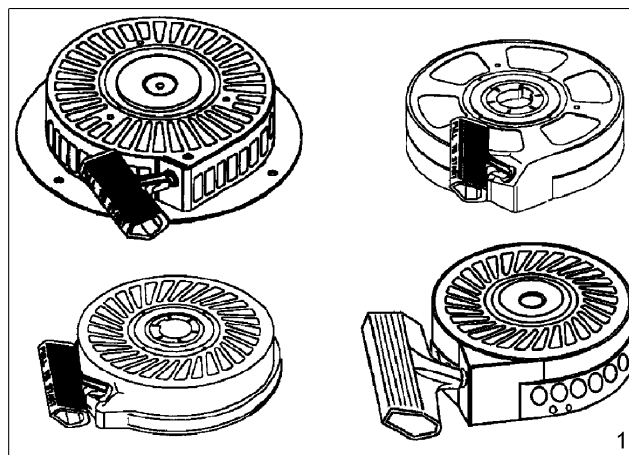
| Ref | Part No. | Qty. | Description                                             |
|-----|----------|------|---------------------------------------------------------|
| 37  | 632547   | 2    | O-Ring                                                  |
| 40  | 640128   | 1    | Nut-Bowl, High Speed                                    |
| 44  | 27110    | 1    | Washer-Bowl Nut                                         |
| 47  | 630748   | 1    | Plug-Welch, Idle Mixture Well                           |
| 48  | 631027   | 1    | Plug-Welch, Atmospheric Vent                            |
| 60  | 632760B  | 1    | Repair Kit (Includes 7, 27, 29, 30, 33, 37, 44, 47, 48) |
| 184 | 33263    | 1    | Gasket-Carburetor To Intake Pipe                        |



This illustration may not depict actual equipment and is for reference purposes only

**Rewind Starter No. 590749**  
**Tecumseh LH318SA-156563H**

| Ref | Part No. | Qty. | Description                                                           |  |  |  |  |
|-----|----------|------|-----------------------------------------------------------------------|--|--|--|--|
| ❸1  | 590749   | 1    | Starter-Rewind                                                        |  |  |  |  |
| ❸2  | 590682   | 1    | Pulley And Rewind Spring ASM                                          |  |  |  |  |
| ❸3  | 590773   | 1    | Repair Kit                                                            |  |  |  |  |
| ❸4  | 590574   | 0    | Handle-Starter, Mitten Grip (Also Available In Packaged Part 740053B) |  |  |  |  |
| ❸5  | 590535   | 1    | Rope-Starter (98 Cut To Length)                                       |  |  |  |  |

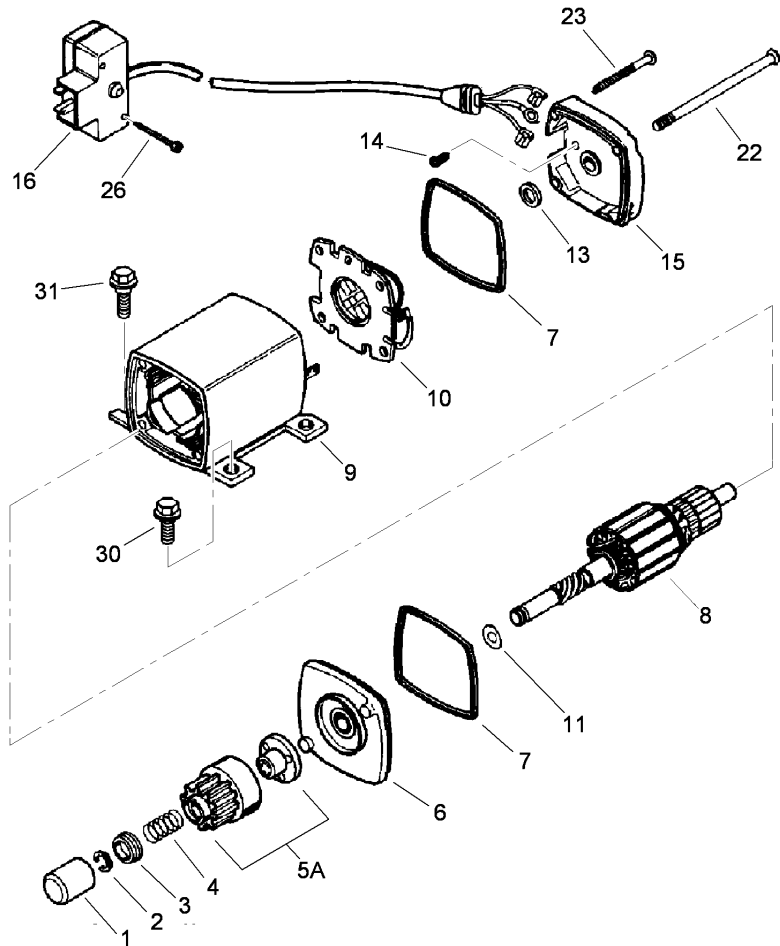


This illustration may not depict actual equipment and is for reference purposes only

**Recoil Starter No. 590733 (Optional)**  
**Tecumseh LH318SA-156563H**

| Ref | Part No. | Qty. | Description                                                           |
|-----|----------|------|-----------------------------------------------------------------------|
| ❸1  | 590733   | 1    | Starter-Rewind                                                        |
| ❸2  | 590709   | 1    | Pulley And Rewind Spring ASM                                          |
| ❸3  | 590774   | 1    | Repair Kit                                                            |
| ❸4  | 590574   | 0    | Handle-Starter, Mitten Grip (Also Available In Packaged Part 740053B) |
| ❸5  | 590535   | 1    | Rope-Starter (98 Cut To Length)                                       |

|  |  |  |  |
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|  |  |  |  |
|  |  |  |  |



**Electric Starter Assembly No. 33329D**  
**Tecumseh LH318SA-156563H**

| Ref | Part No. | Qty. | Description                         |  |  |  |  |
|-----|----------|------|-------------------------------------|--|--|--|--|
| ❶1  | 33451    | 1    | Cover-Dust                          |  |  |  |  |
| ❷2  | 33842    | 1    | Ring-Retainer                       |  |  |  |  |
| ❸3  | 33430    | 1    | Retainer-Spring                     |  |  |  |  |
| ❹4  | 33431    | 1    | Spring-Anti Drift                   |  |  |  |  |
| ❺5A | 37050    | 1    | Gear And Nut (Includes 2)           |  |  |  |  |
| ❻6  | 35449    | 1    | Drive End Cap ASM (Includes 7)      |  |  |  |  |
| ❼7  | 35450    | 2    | O-Ring                              |  |  |  |  |
| ❽8  | 35915    | 1    | Armature                            |  |  |  |  |
| ❾9  | 35451A   | 1    | Housing ASM                         |  |  |  |  |
| ❿10 | 35452A   | 1    | Brush Card ASM                      |  |  |  |  |
| ⓫11 | 35911    | 1    | Washer-Thrust                       |  |  |  |  |
| ⓬13 | 590500   | 1    | Washer-Thrust                       |  |  |  |  |
| ⓭14 | 33441    | 1    | Screw-Ground                        |  |  |  |  |
| ⓮15 | 35453    | 1    | Commutator End Cap ASM (Includes 7) |  |  |  |  |
| ⓯16 | 35454    | 1    | Switch Box ASM                      |  |  |  |  |
| ⓰22 | 35455    | 2    | Bolt-Case                           |  |  |  |  |
| ⓱23 | 35456    | 1    | Screw-Ground                        |  |  |  |  |
| ⓴26 | 650819   | 2    | Screw (6-32X2-1/2)                  |  |  |  |  |
| ⓶30 | 30063    | 2    | Screw (T-30, 1/4-20X1/2)            |  |  |  |  |
| ⓷31 | 650820   | 2    | Screw (1/4-20X1/2)                  |  |  |  |  |

# Attachments and Accessories

For 38630 - Power Max 828 LXE Snowthrower

| Product Name                | Model/Part |
|-----------------------------|------------|
| Tire Chain Kit .....        | 107-3813   |
| Snow Cab .....              | 107-3814   |
| Weight Kit .....            | 107-3815   |
| 28 Inch Drift Breaker ..... | 107-3817   |

## NOTES

